

# References

- Abu-Mostafa, Y. S. (1990). Learning from hints in neural networks. *Journal of Complexity*, 6, 192–198.
- Abu-Mostafa, Y. S., & St. Jacques, J. M. (1985). Information capacity of the Hopfield model. *IEEE Transactions on Information Theory*, 31(4), 461–464.
- Ackley, D. H., Hinton, G. E., & Sejnowski, T. J. (1985). A learning algorithm for Boltzman machines. *Cognitive Science*, 9, 147–169.
- Adams, F., & Aizawa, K. (2008). *The bounds of cognition*. Malden, MA: Blackwell Publishers.
- Adiloglu, K., & Alpaslan, F. N. (2007). A machine learning approach to two-voice counterpoint composition. *Knowledge-Based Systems*, 20(3), 300–309.
- Agawu, V. K. (1991). *Playing with signs: A semiotic interpretation of classic music*. Princeton, NJ: Princeton University Press.
- Agawu, V. K. (2009). *Music as discourse: Semiotic adventures in romantic music*. New York, NY: Oxford University Press.
- Agre, P. E. (1993). The symbolic worldview: Reply to Vera and Simon. *Cognitive Science*, 17(1), 61–69.
- Agre, P. E. (1997). *Computation and human experience*. New York, NY: Cambridge University Press.
- Agulló, M., Carlson, D., Clague, K., Ferrari, G., Ferrari, M., & Yabuki, H. (2003). *LEGO Mindstorms masterpieces: Building and programming advanced robots*. Rockland, MA: Syngress Publishing.
- Aiken, H. H., & Hopper, G. (1946). The automatic sequence controlled calculator. *Electrical Engineering*, 65, 384–391, 449–354, 522–528.
- Aldenderfer, M. S., & Blashfield, R. K. (1984). *Cluster analysis* (Vol. 07-044). Beverly Hills, CA: Sage Publications.
- Alerstam, T. (2006). Conflicting evidence about long-distance animal navigation. *Science*, 313(5788), 791–794.
- Alexander, R. M. (2005). Walking made simple. *Science*, 308(5718), 58–59.
- Allan, L. G. (1980). A note on measurement of contingency between two binary variables in judgment tasks. *Bulletin of the Psychonomic Society*, 15(3), 147–149.
- Alossa, N., & Castelli, L. (2009). Amusia and musical functioning. *European Neurology*, 61(5), 269–277.
- Amari, S. (1967). A theory of adaptive pattern classifiers. *IEEE Transactions on Electronic Computers*, EC16(3), 299–307.
- Amit, D. J. (1989). *Modeling brain function: The world of attractor neural networks*. Cambridge, MA: Cambridge University Press.
- Andersen, R. A., Snyder, L. H., Bradley, D. C., & Xing, J. (1997). Multimodal representation of space in the posterior parietal cortex and its use in planning movements. *Annual Review of Neuroscience*, 20, 303–330.
- Anderson, J. A. (1972). A simple neural network generating an interactive memory. *Mathematical Biosciences*, 14, 197–220.

- Anderson, J. A. (1995). *An introduction to neural networks*. Cambridge, MA: MIT Press.
- Anderson, J. A., & Rosenfeld, E. (1998). *Talking nets: An oral history of neural networks*. Cambridge, MA: MIT Press.
- Anderson, J. A., Silverstein, J. W., Ritz, S. A., & Jones, R. S. (1977). Distinctive features, categorical perception and probability learning: Some applications of a neural model. *Psychological Review*, *84*, 413–451.
- Anderson, J. R. (1978). Arguments concerning representations for mental imagery. *Psychological Review*, *85*, 249–277.
- Anderson, J. R. (1983). *The architecture of cognition*. Cambridge, MA: Harvard University Press.
- Anderson, J. R. (1985). *Cognitive psychology and its implications* (2nd ed.). New York, NY: W. H. Freeman.
- Anderson, J. R., Bothell, D., Byrne, M. D., Douglass, S., Lebiere, C., & Qin, Y. L. (2004). An integrated theory of the mind. *Psychological Review*, *111*(4), 1036–1060.
- Anderson, J. R., & Bower, G. H. (1973). *Human associative memory*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Anderson, J. R., & Matessa, M. (1997). A production system theory of serial memory. *Psychological Review*, *104*(4), 728–748.
- Anellis, I. (2004). The genesis of the truth-table device. *Russell: The Journal of Bertrand Russell Studies*, *24*, 55–70.
- Anstis, S. M. (1980). The perception of apparent movement. *Philosophical Transactions of the Royal Society of London*, *290B*, 153–168.
- Arfib, D., Couturier, J. M., & Kessous, L. (2005). Expressiveness and digital musical instrument design. *Journal of New Music Research*, *34*(1), 125–136.
- Arkin, R. C. (1998). *Behavior-based robotics*. Cambridge, MA: MIT Press.
- Ashby, W. R. (1956). *An introduction to cybernetics*. London, UK: Chapman & Hall.
- Ashby, W. R. (1960). *Design for a brain* (2nd ed.). New York, NY: John Wiley & Sons.
- Asimov, I. (2004). *I, robot* (Bantam hardcover ed.). New York, NY: Bantam Books.
- Aspray, W. F. (1982). Pioneer day, NCC 82: History of the stored-program concept. *Annals of the History of Computing*, *4*(4), 358–361.
- Assayag, G., Feichtinger, H. G., Rodrigues, J.-F., & European Mathematical Society. (2002). *Mathematics and music: a Diderot Mathematical Forum*. Berlin, Germany; New York, NY: Springer.
- Aune, B. (1970). *Rationalism, empiricism, and pragmatism: An introduction*. New York, NY: Random House.
- Austerlitz, R. (1983). Meaning in music: Is music like language and if so, how? *American Journal of Semiotics*, *2*(3), 1–11.
- Austrian, G. (1982). *Herman Hollerith: Forgotten giant of information processing*. New York, NY: Columbia University Press.
- Ayotte, J., Peretz, I., & Hyde, K. (2002). Congenital amusia: A group study of adults afflicted with a music-specific disorder. *Brain*, *125*, 238–251.
- Baddeley, A. D. (1986). *Working memory*. Oxford, UK: Oxford University Press.

- Baddeley, A. D. (1990). *Human memory: Theory and practice*. Needham Heights, MA: Allyn & Bacon.
- Baddeley, A. D. (2003). Working memory: Looking back and looking forward. *Nature Reviews Neuroscience*, 4(10), 829–839.
- Baader, A. P., Kazennikov, O., & Wiesendanger, M. (2005). Coordination of bowing and fingering in violin playing. *Cognitive Brain Research*, 23(2–3), 436–443.
- Bahrami, B. (2003). Object property encoding and change blindness in multiple object tracking. *Visual Cognition*, 10(8), 949–963.
- Bailey, D. (1992). *Improvisation: Its nature and practice in music*. New York, NY: Da Capo Press.
- Bain, A. (1855). *The senses and the intellect*. London, UK: John W. Parker & Son.
- Baker, C. L. (1979). Syntactic theory and the projection problem. *Linguistic Inquiry*, 10(4), 533–581.
- Baker, K. (1982). *Chords and progressions for jazz and popular keyboard*. London, UK; New York, NY: Amsco Publications.
- Balch, T., & Parker, L. E. (2002). *Robot teams*. Natick, MA: A. K. Peters.
- Ballard, D. H. (1986). Cortical structures and parallel processing: Structure and function. *The Behavioral and Brain Sciences*, 9, 67–120.
- Ballard, D. H. (1997). *An introduction to natural computation*. Cambridge, MA: MIT Press.
- Banks, S. C., & Margoliash, D. (1993). Parametric modeling of the temporal dynamics of neuronal responses using connectionist architectures. *Journal of Neurophysiology*, 69(3), 980–991.
- Barkow, J. H., Cosmides, L., & Tooby, J. (1992). *The adapted mind: Evolutionary psychology and the generation of culture*. New York, NY: Oxford University Press.
- Barlow, H. B. (1972). Single units and sensation: A neuron doctrine for perceptual psychology? *Perception*, 1(371–394).
- Barlow, H. B. (1995). The neuron doctrine in perception. In M. S. Gazzaniga (Ed.), *The cognitive neurosciences* (pp. 415–435). Cambridge, MA: MIT Press.
- Barlow, H. B., Fitzhugh, R., & Kuffler, S. (1957). Changes in organization of the receptive fields of the cat's retina during dark adaptation. *Journal of Physiology*, 137, 327–337.
- Baro, J. A., & Levinson, E. (1988). Apparent motion can be perceived between patterns with dissimilar spatial frequencies. *Vision Research*, 28, 1311–1313.
- Barrett, H. C., & Kurzban, R. (2006). Modularity in cognition: Framing the debate. *Psychological Review*, 113(3), 628–647.
- Barrow, H. G., & Tenenbaum, J. M. (1975). Representation and use of knowledge in vision. *SIGART*, 52, 2–8.
- Bateson, G. (1972). *Steps to an ecology of mind*. New York, NY: Ballantine Books.
- Baumgartner, P., & Payr, S. (1995). *Speaking minds: Interviews with twenty eminent cognitive scientists*. Princeton, NJ: Princeton University Press.
- Bechtel, W. (1985). Contemporary connectionism: Are the new parallel distributed processing models cognitive or associationist? *Behaviorism*, 13, 53–61.
- Bechtel, W. (1994). Natural deduction in connectionist systems. *Synthese*, 101, 433–463.
- Bechtel, W., & Abrahamsen, A. (1991). *Connectionism and the mind: Parallel processing, dynamics, and evolution in networks*. Cambridge, MA: Blackwell.

- Bechtel, W., & Abrahamsen, A. (2002). *Connectionism and the mind: Parallel processing, dynamics, and evolution in networks* (2nd ed.). Malden, MA: Blackwell Publishers.
- Bechtel, W., Graham, G., & Balota, D. A. (1998). *A companion to cognitive science*. Malden, MA: Blackwell Publishers.
- Beer, R. D. (2003). The dynamics of active categorical perception in an evolved model agent. *Adaptive Behavior, 11*(4), 209–243.
- Beer, R. D. (2010). Fitness space structure of a neuromechanical system. *Adaptive Behavior, 18*(2), 93–115.
- Behrend, E. R., & Bitterman, M. E. (1961). Probability-matching in the fish. *American Journal of Psychology, 74*(4), 542–551.
- Bellgard, M. I., & Tsang, C. P. (1994). Harmonizing music the Boltzmann way. *Connection Science, 6*, 281–297.
- Bellmore, M., & Nemhauser, G. L. (1968). The traveling salesman problem: A survey. *Operations Research, 16*(3), 538–558.
- Beni, G. (2005). From swarm intelligence to swarm robotics. *Swarm Robotics, 3342*, 1–9.
- Beni, G., & Wang, J. (1991, April 9–11). Theoretical problems for the realization of distributed robotic systems. Paper presented at the IEEE International Conference on Robotics and Automation, Sacramento, CA.
- Bennett, L. J. (1990). Modularity of mind revisited. *British Journal for the Philosophy of Science, 41*(3), 429–436.
- Benson, B. (2003). *The improvisation of musical dialogue: A phenomenology of music*. Cambridge, UK; New York, NY: Cambridge University Press.
- Benson, D. J. (2007). *Music: A mathematical offering*. Cambridge, UK; New York, NY: Cambridge University Press.
- Bentin, S., & Golland, Y. (2002). Meaningful processing of meaningless stimuli: The influence of perceptual experience on early visual processing of faces. *Cognition, 86*(1), B1–B14.
- Benuskova, L. (1994). Modeling the effect of the missing fundamental with an attractor neural network. *Network: Computation in Neural Systems, 5*(3), 333–349.
- Benuskova, L. (1995). Modeling transpositional invariance of melody recognition with an attractor neural network. *Network: Computation in Neural Systems, 6*(3), 313–331.
- Bergmann, M., Moor, J., & Nelson, J. (1990). *The logic book*. New York, NY: McGraw Hill.
- Berkeley, G. (1710). *A treatise concerning the principles of human knowledge*. Dublin, Ireland: Printed by A. Rhames for J. Pepyat.
- Berkeley, I. S. N., Dawson, M. R. W., Medler, D. A., Schopflocher, D. P., & Hornsby, L. (1995). Density plots of hidden value unit activations reveal interpretable bands. *Connection Science, 7*, 167–186.
- Berkeley, I. S. N., & Gunay, C. (2004). Conducting banding analysis with trained networks of sigmoid units. *Connection Science, 16*(2), 119–128.
- Berlinski, D. (2000). *The advent of the algorithm*. San Diego, CA: Harcourt, Inc.
- Bermúdez, J. L. (2010). *Cognitive science: An introduction to the science of the mind*. Cambridge, UK; New York, NY: Cambridge University Press.
- Bernbaum, K., & Chung, C. S. (1981). Müller-Lyer illusion induced by imagination. *Journal of Mental Imagery, 5*, 125–128.

- Bernstein, L. (1976). *The unanswered question: Six talks at Harvard*. Cambridge, MA: Harvard University Press.
- Best, J. B. (1995). *Cognitive psychology*. St. Paul, MN: West Publishing.
- Bever, T. G., Fodor, J. A., & Garrett, M. (1968). A formal limitation of associationism. In T. R. Dixon & D. L. Horton (Eds.), *Verbal behavior and general behavior theory* (pp. 582–585). Englewood Cliffs, NJ: Prentice Hall.
- Bharucha, J. J. (1984). Anchoring effects in music: The resolution of dissonance. *Cognitive Psychology*, 16(4), 485–518.
- Bharucha, J. J. (1987). Music cognition and perceptual facilitation: A connectionist framework. *Music Perception*, 5(1), 1–30.
- Bharucha, J. J. (1991). Pitch, harmony, and neural nets: A psychological perspective. In P. M. Todd & D. G. Loy (Eds.), *Music and connectionism* (pp. 84–99). Cambridge, MA: MIT Press.
- Bharucha, J. J. (1999). Neural nets, temporal composites, and tonality. In D. Deutsch (Ed.), *The psychology of music* (2nd ed., pp. 413–440). San Diego, CA: Academic Press.
- Bharucha, J. J., & Todd, P. M. (1989). Modeling the perception of tonal structure with neural nets. *Computer Music Journal*, 13(4), 44–53.
- Bickle, J. (1996). New wave psychophysical reductionism and the methodological caveats. *Philosophy and Phenomenological Research*, LVI, 57–78.
- Biederman, I. (1987). Recognition by components: A theory of human image understanding. *Psychological Review*, 94, 115–147.
- Blaauw, G. A., & Brooks, F. P. (1997). *Computer architecture: Concepts and evolution*. Reading, MA: Addison-Wesley.
- Blackwell, T. (2003). Swarm music: Improvised music with multiswarms. Paper presented at the AISB Symposium on Artificial Intelligence and Creativity in Arts and Science, Aberystwyth, Wales.
- Blackwell, T., & Young, M. (2004). Self-organised music. *Organised Sound*, 9, 123–136.
- Bladin, P. F. (2006). W. Grey Walter, pioneer in the electroencephalogram, robotics, cybernetics, artificial intelligence. *Journal of Clinical Neuroscience*, 13(2), 170–177.
- Blakemore, S. J., Winston, J., & Frith, U. (2004). Social cognitive neuroscience: Where are we heading? *Trends in Cognitive Sciences*, 8(5), 216–222.
- Blaser, E., Pylyshyn, Z. W., & Holcombe, A. O. (2000). Tracking an object through feature space. *Nature*, 408(6809), 196–199.
- Block, N. (1981). *Imagery*. Cambridge, MA: MIT Press.
- Boden, M. A. (2006). *Mind as machine: A history of cognitive science*. New York, NY: Clarendon Press.
- Bonabeau, E., & Meyer, C. (2001). Swarm intelligence: A whole new way to think about business. *Harvard Business Review*, 79(5), 106–114.
- Bonabeau, E., Theraulaz, G., Deneubourg, J. L., Franks, N. R., Rafelsberger, O., Joly, J. L., et al. (1998). A model for the emergence of pillars, walls and royal chambers in termite nests. *Philosophical Transactions of the Royal Society of London Series B-Biological Sciences*, 353(1375), 1561–1576.
- Bonds, M. E. (2006). *Music as thought: Listening to the symphony in the age of Beethoven*. Princeton, NJ: Princeton University Press.
- Boogaarts, M. (2007). *The LEGO Mindstorms NXT idea book: Design, invent, and build*. San Francisco, CA: No Starch Press.

- Boole, G. (2003). *The laws of thought*. Amherst, NY: Prometheus Books. (Original work published 1854)
- Borges, J. L. (1962). *Labyrinths: Selected stories and other writings* (1st ed.). New York, NY: New Directions.
- Boring, E. G. (1950). *A history of experimental psychology*. New York, NY: Appleton-Century-Crofts.
- Botez, M. I. (1975). Two visual systems in clinical neurology: Readaptive role of the primitive system in visual agnosis patients. *European Neurology*, *13*, 101–122.
- Botros, A., Smith, J., & Wolfe, J. (2006). The virtual flute: An advanced fingering guide generated via machine intelligence. *Journal of New Music Research*, *35*(3), 183–196.
- Bower, G. H. (1993). The fragmentation of psychology. *American Psychologist*, *48*(8), 905–907.
- Bowers, J. S. (2009). On the biological plausibility of grandmother cells: Implications for neural network theories in psychology and neuroscience. *Psychological Review*, *116*(1), 220–251.
- Bown, O., Eldridge, A., & McCormack, J. (2009). Understanding interaction in contemporary digital music: From instruments to behavioural objects. *Organised Sound*, *14*(2), 188–196.
- Braitenberg, V. (1984). *Vehicles: Explorations in synthetic psychology*. Cambridge, MA: MIT Press.
- Brandt, S. A., & Stark, L. W. (1997). Spontaneous eye movements during visual imagery reflect the content of the visual scene. *Journal of Cognitive Neuroscience*, *9*(1), 27–38.
- Braun, H. (1991). On solving traveling salesman problems by genetic algorithms. *Lecture Notes in Computer Science*, *496*, 129–133.
- Breazeal, C. (2002). *Designing sociable robots*. Cambridge, MA: MIT Press.
- Breazeal, C. (2003). Toward sociable robots. *Robotics and Autonomous Systems*, *42*(3–4), 167–175.
- Breazeal, C. (2004). Social interactions in HRI: The robot view. *IEEE Transactions on Systems Man and Cybernetics Part C-Applications and Reviews*, *34*(2), 181–186.
- Breazeal, C., Gray, J., & Berlin, M. (2009). An embodied cognition approach to mindreading skills for socially intelligent robots. *International Journal of Robotics Research*, *28*(5), 656–680.
- Bregman, A. S. (1990). *Auditory scene analysis: The perceptual organization of sound*. Cambridge, MA: MIT Press.
- Brentano, F. C. (1995). *Psychology from an empirical standpoint* (D. B. Terrell, A. C. Rancurello, & L.L. McAlister, Trans.). London, UK; New York, NY: Routledge. (Original work published 1874)
- Broadbent, D. (1985). A question of levels: Comment on McClelland and Rumelhart. *Journal of Experimental Psychology: General*, *114*, 189–192.
- Brooks, F. P. (1962). Architectural philosophy. In W. Buchholz (Ed.), *Planning a computer system: Project stretch* (pp. 5–16). New York, NY: McGraw-Hill.
- Brooks, R. A. (1989). A robot that walks; Emergent behaviours from a carefully evolved network. *Neural Computation*, *1*, 253–262.
- Brooks, R. A. (1991). Intelligence without representation. *Artificial Intelligence*, *47*, 139–159.
- Brooks, R. A. (1999). *Cambrian intelligence: The early history of the new AI*. Cambridge, MA: MIT Press.
- Brooks, R. A. (2002). *Flesh and machines: How robots will change us*. New York, NY: Pantheon Books.
- Brooks, R. A., Breazeal, C., Marjanovic, M., Scassellati, S., & Williamson, M. (1999). The Cog project: Building a humanoid robot. In C. Nehaniv (Ed.), *Computation for metaphors, analogy, and agents* (pp. 52–87). Berlin, Germany: Springer-Verlag.

- Brooks, R. A., & Flynn, A. M. (1989). Fast, cheap and out of control: A robot invasion of the solar system. *Journal of The British Interplanetary Society*, *42*, 478–485.
- Brown, A. A., Spetch, M. L., & Hurd, P. L. (2007). Growing in circles: Rearing environment alters spatial navigation in fish. *Psychological Science*, *18*, 569–573.
- Brown, T. H. (1990). Hebbian synapses: Biophysical mechanisms and algorithms. *Annual Review of Neuroscience*, *13*, 475–511.
- Bruner, J. S. (1957). On perceptual readiness. *Psychological Review*, *64*, 123–152.
- Bruner, J. S. (1973). *Beyond the information given*. New York, NY: W.W. Norton & Company.
- Bruner, J. S. (1990). *Acts of meaning*. Cambridge, MA: Harvard University Press.
- Bruner, J. S. (1992). Another look at New Look 1. *American Psychologist*, *47*(6), 780–783.
- Bruner, J. S., Postman, L., & Rodrigues, J. (1951). Expectation and the perception of color. *American Journal of Psychology*, *64*(2), 216–227.
- Buccino, G., Binkofski, F., Fink, G. R., Fadiga, L., Fogassi, L., Gallese, V., et al. (2001). Action observation activates premotor and parietal areas in a somatotopic manner: An fMRI study. *European Journal of Neuroscience*, *13*(2), 400–404.
- Buccino, G., Vogt, S., Ritzl, A., Fink, G. R., Zilles, K., Freund, H. J., et al. (2004). Neural circuits underlying imitation learning of hand actions: An event-related fMRI study. *Neuron*, *42*(2), 323–334.
- Buck, G. H., & Hunka, S. M. (1999). W. Stanley Jevons, Allan Marquand, and the origins of digital computing. *IEEE Annals of the History of Computing*, *21*(4), 21–27.
- Bugatti, A., Flammini, A., & Migliorati, P. (2002). Audio classification in speech and music: A comparison between a statistical and a neural approach. *Eurasip Journal on Applied Signal Processing*, *2002*(4), 372–378.
- Burgess, N., Recce, M., & O'Keefe, J. (1995). Spatial models of the hippocampus. In M. A. Arbib (Ed.), *The handbook of brain theory and neural networks* (pp. 468–472). Cambridge, MA: MIT Press.
- Burks, A. R., & Burks, A. W. (1988). *The first electronic computer: The Atanasoff story*. Ann Arbor, MI: University of Michigan Press.
- Burks, A. W. (1975). Logic, biology and automata: Some historical reflections. *International Journal of Man-Machine Studies*, *7*(3), 297–312.
- Burks, A. W. (2002). The invention of the universal electronic computer: How the electronic computer revolution began. *Future Generation Computer Systems*, *18*(7), 871–892.
- Burks, A. W., Goldstine, H. H., & Von Neumann, J. (1989). Preliminary discussion of the logical design of an electronic computing instrument. In Z. Pylyshyn & L. Bannon (Eds.), *Perspectives on the computer revolution* (pp. 39–48). Norwood, NJ: Ablex. (Original work published 1946)
- Burnod, Y. (1990). *An adaptive neural network: The cerebral cortex*. Englewood Cliffs, NJ: Prentice Hall.
- Burt, P., & Sperling, G. (1981). Time, distance and feature trade-offs in visual apparent motion. *Psychological Review*, *88*, 137–151.
- Bush, V. (1931). The differential analyzer: A new machine for solving differential equations. *Journal of the Franklin Institute*, *212*, 447–488.
- Buss, A. R. (1978). The structure of psychological revolutions. *Journal of the History of the Behavioral Sciences*, *14*(1), 57–64.

- Byrne, David. (1980). *Seen and not seen. On Remain in light*. [CD]. New York City: Sire Records.
- Cabeza, R., & Kingstone, A. (2006). *Handbook of functional neuroimaging of cognition* (2nd ed.). Cambridge, MA: MIT Press.
- Cabeza, R., & Nyberg, L. (2000). Imaging cognition II: An empirical review of 275 PET and fMRI studies. *Journal of Cognitive Neuroscience*, *12*(1), 1–47.
- Cage, J. (1961). *Silence: Lectures and writings* (1st ed.). Middletown, CN: Wesleyan University Press.
- Calderbank, R., & Sloane, N. J. A. (2001). Obituary: Claude Shannon (1916–2001). *Nature*, *410*(6830), 768.
- Calvin, W. H., & Ojemann, G. A. (1994). *Conversations with Neil's brain*. Reading, MA: Addison-Wesley.
- Calvo, P., & Gomila, A. (2008). Directions for an embodied cognitive science: Toward an integrated approach. In P. Calvo & A. Gomila (Eds.), *Handbook of cognitive science: An embodied approach* (pp. 1–25). Oxford, UK: Elsevier.
- Caramazza, A. (1986). On drawing inferences about the structure of normal cognitive systems from the analysis of patterns of impaired performance: The case for single-patient studies. *Brain and Cognition*, *5*, 41–66.
- Carpenter, G. A. (1989). Neural network models for pattern recognition and associative memory. *Neural Networks*, *2*, 243–257.
- Carpenter, G. A., & Grossberg, S. (1992). *Neural networks for vision and image processing*. Cambridge, MA: MIT Press.
- Carruthers, P. (2006). *The architecture of the mind: Massive modularity and the flexibility of thought*. Oxford, UK: Oxford University Press.
- Casey, M. A., Veltkamp, R., Goto, M., Leman, M., Rhodes, C., & Slaney, M. (2008). Content-based music information retrieval: Current directions and future challenges. *Proceedings of the IEEE*, *96*(4), 668–696.
- Caudill, M. (1992). *In our own image: Building an artificial person*. New York, NY: Oxford University Press.
- Caudill, M., & Butler, B. (1992a). *Understanding neural networks* (Vol. 1). Cambridge, MA: MIT Press.
- Caudill, M., & Butler, B. (1992b). *Understanding neural networks* (Vol. 2). Cambridge, MA: MIT Press.
- Cavanagh, P., Arguin, M., & von Grunau, M. (1989). Interattribute apparent motion. *Vision Research*, *29*, 1197–1204.
- Cedolin, L., & Delgutte, B. (2010). Spatiotemporal representation of the pitch of harmonic complex tones in the auditory nerve. *Journal of Neuroscience*, *30*(38), 12712–12724.
- Ceruzzi, P. (1997). Crossing the divide: Architectural issues and the emergence of the stored program computer, 1935–1955. *IEEE Annals of the History of Computing*, *19*(1), 5–12.
- Chalmers, D. (2006). Perception and the fall from Eden. In T. Gendler & J. Hawthorne (Eds.), *Perceptual experience* (pp. 49–125). Oxford, UK: Oxford University Press.
- Chapman, C. S., & Goodale, M. A. (2010). Seeing all the obstacles in your way: The effect of visual feedback and visual feedback schedule on obstacle avoidance while reaching. *Experimental Brain Research*, *202*(2), 363–375.
- Chapman, G. B., & Robbins, S. J. (1990). Cue interaction in human contingency judgment. *Memory & Cognition*, *18*(5), 537–545.



- Chase, V. M., Hertwig, R., & Gigerenzer, G. (1998). Visions of rationality. *Trends in Cognitive Sciences*, 2(6), 206–214.
- Chater, N., & Oaksford, M. (1999). Ten years of the rational analysis of cognition. *Trends in Cognitive Sciences*, 3(2), 57–65.
- Chauvin, Y., & Rumelhart, D. E. (1995). *Backpropagation: Theory, architectures, and applications*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Chemero, A. (2009). *Radical embodied cognitive science*. Cambridge, MA: MIT Press.
- Chemero, A., & Turvey, M. T. (2007). Gibsonian affordances for roboticists. *Adaptive Behavior*, 15(4), 473–480.
- Cheng, K. (1986). A purely geometric module in the rat's spatial representation. *Cognition*, 23, 149–178.
- Cheng, K. (2005). Reflections on geometry and navigation. *Connection Science*, 17(1–2), 5–21.
- Cheng, K. (2008). Whither geometry? Troubles of the geometric module. *Trends in Cognitive Sciences*, 12(9), 355–361.
- Cheng, K., & Newcombe, N. S. (2005). Is there a geometric module for spatial orientation? Squaring theory and evidence. *Psychonomic Bulletin & Review*, 12(1), 1–23.
- Cheng, P. W. (1997). From covariation to causation: A causal power theory. *Psychological Review*, 104(2), 367–405.
- Cheng, P. W., & Holyoak, K. J. (1995). Complex adaptive systems as intuitive statisticians: Causality, contingency, and prediction. In H. L. Roitblat & J.-A. Meyer (Eds.), *Comparative approaches to cognitive science* (pp. 271–302). Cambridge, MA: MIT Press.
- Cheng, P. W., & Novick, L. R. (1990). A probabilistic contrast model of causal induction. *Journal of Personality and Social Psychology*, 58(4), 545–567.
- Cheng, P. W., & Novick, L. R. (1992). Covariation in natural causal induction. *Psychological Review*, 99(2), 365–382.
- Chomsky, N. (1957). *Syntactic structures* (2nd ed.). Berlin, Germany; New York, NY: Mouton de Gruyter.
- Chomsky, N. (1959a). On certain formal properties of grammars. *Information and Control*, 2, 137–167.
- Chomsky, N. (1959b). A review of B. F. Skinner's *Verbal Behavior*. *Language*, 35, 26–58.
- Chomsky, N. (1965). *Aspects of the theory of syntax*. Cambridge, MA: MIT Press.
- Chomsky, N. (1966). *Cartesian linguistics: A chapter in the history of rationalist thought* (1st ed.). New York, NY: Harper & Row.
- Chomsky, N. (1980). *Rules and representations*. New York, NY: Columbia University Press.
- Christensen, S. M., & Turner, D. R. (1993). *Folk psychology and the philosophy of mind*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Churchland, P. M. (1985). Reduction, qualia, and the direct introspection of brain states. *The Journal of Philosophy*, LXXXII, 8–28.
- Churchland, P. M. (1988). *Matter and consciousness* (Rev. ed.). Cambridge, MA: MIT Press.
- Churchland, P. M., & Churchland, P. S. (1990). Could a machine think? *Scientific American*, 262, 32–37.
- Churchland, P. S. (1986). *Neurophilosophy*. Cambridge, MA: MIT Press.
- Churchland, P. S., Koch, C., & Sejnowski, T. J. (1990). What is computational neuroscience? In E. L. Schwartz (Ed.), *Computational neuroscience* (pp. 46–55). Cambridge, MA: MIT Press.

- Churchland, P. S., & Sejnowski, T. J. (1989). Neural representation and neural computation. In L. Nadel, L. A. Cooper, P. Culicover & R. M. Harnish (Eds.), *Neural connections, mental computation* (pp. 15–48). Cambridge, MA: MIT Press.
- Churchland, P. S., & Sejnowski, T. J. (1992). *The computational brain*. Cambridge, MA: MIT Press.
- Clancey, W. J. (1987). T. Winograd, F. Flores, Understanding computers and cognition: A new foundation for design. *Artificial Intelligence*, 31(2), 232–250.
- Clancey, W. J. (1993). Situated action: A neuropsychological interpretation response. *Cognitive Science*, 17(1), 87–116.
- Clancey, W. J. (1997). *Situated cognition*. Cambridge, UK: Cambridge University Press.
- Clark, A. (1989). *Microcognition*. Cambridge, MA: MIT Press.
- Clark, A. (1993). *Associative engines*. Cambridge, MA: MIT Press.
- Clark, A. (1997). *Being there: Putting brain, body, and world together again*. Cambridge, MA: MIT Press.
- Clark, A. (1999). An embodied cognitive science? *Trends in Cognitive Sciences*, 3(9), 345–351.
- Clark, A. (2003). *Natural-born cyborgs*. Oxford, UK; New York, NY: Oxford University Press.
- Clark, A. (2008). *Supersizing the mind: Embodiment, action, and cognitive extension*. Oxford, UK; New York, NY: Oxford University Press.
- Clark, A., & Chalmers, D. (1998). The extended mind (Active externalism). *Analysis*, 58(1), 7–19.
- Clark, H. H. (1996). *Using language*. Cambridge, UK; New York, NY: Cambridge University Press.
- Clarke, E. F. (2005). *Ways of listening: An ecological approach to the perception of musical meaning*. Oxford, UK; New York, NY: Oxford University Press.
- Claudon, F. (1980). *The concise encyclopedia of romanticism*. Secaucus, NJ: Chartwell Books.
- Cognitive Science Society. (2013) *Welcome to the Cognitive Science Society website*. Retrieved from <http://www.http://cognitivesciencesociety.org/index.html>
- Cohen, I. B. (1999). *Howard Aiken: Portrait of a computer pioneer*. Cambridge, MA: MIT Press.
- Cohen, P. R., Greenberg, M. L., Hart, D. M., & Howe, A. E. (1989). Trial by fire: Understanding the design requirements for agents in complex environments. *AI Magazine*, 10(3), 32–48.
- Colby, C. L., & Goldberg, M. E. (1999). Space and attention in parietal cortex. *Annual Review of Neuroscience*, 22, 319–349.
- Colby, K. M., Hilf, F. D., Weber, S., & Kraemer, H. C. (1972). Turing-like indistinguishability tests for validation of a computer simulation of paranoid processes. *Artificial Intelligence*, 3(2), 199–221.
- Cole, J. (1998). *About face*. Cambridge, MA: MIT Press.
- Collier, C. P., Wong, E. W., Belohradsky, M., Raymo, F. M., Stoddart, J. F., Kuekes, P. J., et al. (1999). Electronically configurable molecular-based logic gates. *Science*, 285(5426), 391–394.
- Collins, A. M., & Quillian, M. R. (1969). Retrieval time from semantic memory. *Journal of Verbal Learning and Verbal Behavior*, 8, 240–247.
- Collins, A. M., & Quillian, M. R. (1970a). Does category size affect categorization time? *Journal of Verbal Learning and Verbal Behavior*, 9(4), 432–438.
- Collins, A. M., & Quillian, M. R. (1970b). Facilitating retrieval from semantic memory: Effect of repeating part of an inference. *Acta Psychologica*, 33, 304–314.
- Collins, S. H., Ruina, A., Tedrake, R., & Wisse, M. (2005). Efficient bipedal robots based on passive-dynamic walkers. *Science*, 307(5712), 1082–1085.

- Comrie, L. J. (1933). *The Hollerith and Powers tabulating machines*. London, UK: Printed for private circulation.
- Conrad, R. (1964a). Acoustic confusions in immediate memory. *British Journal of Psychology*, 55(1), 75–84.
- Conrad, R. (1964b). Information, acoustic confusion, and memory span. *British Journal of Psychology*, 55, 429–432.
- Conway, F., & Siegelman, J. (2005). *Dark hero of the information age: In search of Norbert Wiener, the father of cybernetics*. New York, NY: Basic Books.
- Cook, V. J., & Newson, M. (1996). *Chomsky's universal grammar: An introduction* (2nd ed.). Oxford, UK: Wiley-Blackwell.
- Cooper, L. A., & Shepard, R. N. (1973a). Chronometric studies of the rotation of mental images. In W. G. Chase (Ed.), *Visual information processing* (pp. 75–176). New York, NY: Academic Press.
- Cooper, L. A., & Shepard, R. N. (1973b). The time required to prepare for a rotated stimulus. *Memory & Cognition*, 1(3), 246–250.
- Cooper, M., Foote, J., Pampalk, E., & Tzanetakis, G. (2006). Visualization in audio-based music information retrieval. *Computer Music Journal*, 30(2), 42–62.
- Cooper, R. (1977). Obituary, W. Grey Walter. *Nature*, 268, 383–384.
- Copeland, B. J. (2011). The Manchester computer: A revised history, Part 1: The memory. *IEEE Annals of the History of Computing*, 33(1), 4–21.
- Copland, A. (1939). *What to listen for in music*. New York, NY; London, UK: Whittlesey House, McGraw-Hill Book Company.
- Copland, A. (1952). *Music and imagination*. Cambridge, MA: Harvard University Press.
- Cotter, N. E. (1990). The Stone-Weierstrass theorem and its application to neural networks. *IEEE transactions on Neural Networks*, 1, 290–295.
- Cottrell, G. W. (1989). The connectionist air guitar: A dream come true. *Connection Science*, 1, 413.
- Coutinho, E., & Cangelosi, A. (2009). The use of spatio-temporal connectionist models in psychological studies of musical emotions. *Music Perception*, 27(1), 1–15.
- Couzin, I. D., Krause, J., Franks, N. R., & Levin, S. A. (2005). Effective leadership and decision-making in animal groups on the move. *Nature*, 433(7025), 513–516.
- Craik, K. J. M. (1943). *The nature of explanation*. Cambridge, UK: Cambridge University Press.
- Crick, F., & Asanuma, C. (1986). Certain aspects of the anatomy and physiology of the cerebral cortex. In J. McClelland & D. E. Rumelhart (Eds.), *Parallel distributed processing* (Vol. 2, pp. 333–371). Cambridge, MA: MIT Press.
- Cummins, R. (1975). Functional analysis. *Journal of Philosophy*, 72, 741–760.
- Cummins, R. (1983). *The nature of psychological explanation*. Cambridge, MA: MIT Press.
- Cummins, R. (1989). *Meaning and mental representation*. Cambridge, MA: MIT Press.
- Cybenko, G. (1989). Approximation by superpositions of a sigmoidal function. *Mathematics of Control, Signals, and Systems*, 2, 303–314.
- Danks, D. (2003). Equilibria of the Rescorla-Wagner model. *Journal of Mathematical Psychology*, 47(2), 109–121.
- Dasgupta, S. (1989). *Computer architecture: A modern synthesis*. New York, NY: Wiley.

- D'Ausilio, A. (2009). Mirror-like mechanisms and music. *The Scientific World Journal*, 9, 1415–1422.
- Davies, M., & Stone, T. (1995a). *Folk psychology: The theory of mind debate*. Oxford, UK: Wiley-Blackwell.
- Davies, M., & Stone, T. (1995b). *Mental simulation: Evaluations and applications*. Oxford, UK; Cambridge, MA: Wiley-Blackwell.
- Davis, P. J., & Hersh, R. (1981). *The mathematical experience*. Boston: Birkhäuser.
- Davison, M., & McCarthy, D. (1988). *The matching law: A research review*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Dawson, M. R. W. (1987). Moving contexts do affect the perceived direction of apparent motion in motion competition displays. *Vision Research*, 27, 799–809.
- Dawson, M. R. W. (1989). Apparent motion and element connectedness. *Spatial Vision*, 4, 241–251.
- Dawson, M. R. W. (1991). The how and why of what went where in apparent motion: Modeling solutions to the motion correspondence process. *Psychological Review*, 98, 569–603.
- Dawson, M. R. W. (1998). *Understanding cognitive science*. Oxford, UK: Wiley-Blackwell.
- Dawson, M. R. W. (2004). *Minds and machines: Connectionism and psychological modeling*. Malden, MA: Blackwell Publishers.
- Dawson, M. R. W. (2005). *Connectionism: A hands-on approach* (1st ed.). Oxford, UK ; Malden, MA: Blackwell Publishers.
- Dawson, M. R. W. (2008). Connectionism and classical conditioning. *Comparative Cognition and Behavior Reviews*, 3(Monograph), 1–115.
- Dawson, M. R. W. (2009). Computation, cognition—and connectionism. In D. Dedrick & L. Trick (Eds.), *Cognition, computation, and Pylyshyn* (pp. 175–199). Cambridge, MA: MIT Press.
- Dawson, M. R. W., Berkeley, I. S. N., Medler, D. A., & Schopflocher, D. P. (1994). Density plots of hidden value unit activations reveal interpretable bands and microbands. In B. MacDonald, R. Holte, and C. Ling (Eds.), *Proceedings of the Machine Learning Workshop at AI/GI/VI 1994* (pp.iii-1–iii-9). Calgary, AB: University of Calgary Press.
- Dawson, M. R. W., & Boechler, P. M. (2007). Representing an intrinsically nonmetric space of compass directions in an artificial neural network. *International Journal of Cognitive Informatics and Natural Intelligence*, 1, 53–65.
- Dawson, M. R. W., Boechler, P. M., & Orsten, J. (2005). An artificial neural network that uses coarse allocentric coding of direction to represent distances between locations in a metric space. *Spatial Cognition and Computation*, 5, 29–67.
- Dawson, M. R. W., Boechler, P. M., & Valsangkar-Smyth, M. (2000). Representing space in a PDP network: Coarse allocentric coding can mediate metric and nonmetric spatial judgements. *Spatial Cognition and Computation*, 2, 181–218.
- Dawson, M. R. W., & Di Lollo, V. (1990). Effects of adapting luminance and stimulus contrast on the temporal and spatial limits of short-range motion. *Vision Research*, 30, 415–429.
- Dawson, M. R. W., Dupuis, B., Spetch, M. L., & Kelly, D. M. (2009). Simple artificial networks that match probability and exploit and explore when confronting a multiarmed bandit. *IEEE Transactions on Neural Networks*, 20(8), 1368–1371.
- Dawson, M. R. W., Dupuis, B., & Wilson, M. (2010). *From bricks to brains: The embodied cognitive science of LEGO robots*. Edmonton, AB: Athabasca University Press.

- Dawson, M. R. W., Kelly, D. M., Spetch, M. L., & Dupuis, B. (2010). Using perceptrons to explore the reorientation task. *Cognition*, *114*(2), 207–226.
- Dawson, M. R. W., Kremer, S., & Gannon, T. (1994). Identifying the trigger features for hidden units in a PDP model of the early visual pathway. In R. Elio (Ed.), *Tenth Canadian conference on artificial intelligence* (pp. 115–119). San Francisco, CA: Morgan Kaufmann.
- Dawson, M. R. W., Medler, D. A., & Berkeley, I. S. N. (1997). PDP networks can provide models that are not mere implementations of classical theories. *Philosophical Psychology*, *10*, 25–40.
- Dawson, M. R. W., Medler, D. A., McCaughan, D. B., Willson, L., & Carbonaro, M. (2000). Using extra output learning to insert a symbolic theory into a connectionist network. *Minds and Machines: Journal for Artificial Intelligence, Philosophy and Cognitive Science*, *10*, 171–201.
- Dawson, M. R. W., Nevin-Meadows, N., & Wright, R. D. (1994). Polarity matching in the Ternus configuration. *Vision Research*, *34*, 3347–3359.
- Dawson, M. R. W., & Piercey, C. D. (2001). On the subsymbolic nature of a PDP architecture that uses a nonmonotonic activation function. *Minds and Machines: Journal for Artificial Intelligence, Philosophy and Cognitive Science*, *11*, 197–218.
- Dawson, M. R. W., & Pylyshyn, Z. W. (1988). Natural constraints on apparent motion. In Z. W. Pylyshyn (Ed.), *Computational processes in human vision: An interdisciplinary perspective* (pp. 99–120). Norwood, NJ: Ablex.
- Dawson, M. R. W., & Schopflocher, D. P. (1992a). Autonomous processing in PDP networks. *Philosophical Psychology*, *5*, 199–219.
- Dawson, M. R. W., & Schopflocher, D. P. (1992b). Modifying the generalized delta rule to train networks of nonmonotonic processors for pattern classification. *Connection Science*, *4*, 19–31.
- Dawson, M. R. W., & Shamanski, K. S. (1994). Connectionism, confusion and cognitive science. *Journal of Intelligent Systems*, *4*, 215–262.
- Dawson, M. R. W., & Spetch, M. L. (2005). Traditional perceptrons do not produce the overexpectation effect. *Neural Information Processing: Letters and Reviews*, *7*(1), 11–17.
- Dawson, M. R. W., & Thibodeau, M. H. (1998). The effect of adapting luminance on the latency of visual search. *Acta Psychologica*, *99*, 115–139.
- Dawson, M. R. W., & Wright, R. D. (1989). The consistency of element transformations affects the visibility but not the direction of illusory motion. *Spatial Vision*, *4*, 17–29.
- Dawson, M. R. W., & Wright, R. D. (1994). Simultaneity in the Ternus configuration: Psychophysical data and a computer model. *Vision Research*, *34*, 397–407.
- Debus, A. G. (1978). *Man and nature in the Renaissance*. Cambridge, UK; New York, NY: Cambridge University Press.
- Dedekind, R. (1901). *Essays on the theory of numbers I: Continuity and irrational numbers: II. The nature and meaning of numbers* (pp. 8–115). Chicago, IL: Open Court. (Original work published 1888)
- Dedrick, D., & Trick, L. (2009). *Computation, cognition, and Pylyshyn*. Cambridge, MA: MIT Press.
- Delahaye, J. P. (2006). The science behind Sudoku. *Scientific American*, *294*(6), 80–87.
- de Latil, P. (1956). *Thinking by machine: A study of cybernetics*. London, UK: Sidgwick and Jackson.
- De Mulder, T., Martens, J. P., Pauws, S., Vignoli, F., Lesaffre, M., Leman, M., et al. (2006). Factors affecting music retrieval in query-by-melody. *IEEE Transactions on Multimedia*, *8*(4), 728–739.

- Dennett, D. C. (1978). *Brainstorms*. Cambridge, MA: MIT Press.
- Dennett, D. C. (1987). *The intentional stance*. Cambridge, MA: MIT Press.
- Dennett, D. C. (1991). *Consciousness explained*. Boston, MA: Little, Brown.
- Dennett, D. C. (1998). Cognitive science as reverse engineering: Several meanings of “top–down” and “bottom-up.” In D. Dennett (Ed.), *Brainchildren: Essays on designing minds* (pp. 249–260). Cambridge, MA: MIT Press.
- Dennett, D. C. (2005). *Sweet dreams: Philosophical obstacles to a science of consciousness*. Cambridge, MA: MIT Press.
- Derrington, A. M., & Lennie, P. (1982). The influence of temporal frequency and adaptation level on receptive field organization of retinal ganglion cells in the cat. *Journal of Physiology*, 333, 343–366.
- Desain, P., & Honing, H. (1989). The quantization of musical time: A connectionist approach. *Computer Music Journal*, 13(3), 56–66.
- Descartes, R. (1960). *Discourse on method and meditations*. (L.J. LaFleur, Trans.). Indianapolis, IN: Bobbs-Merrill. (Original work published 1637)
- Descartes, R. (1996). *Meditations on first philosophy* (Rev. ed.). (J. Cottingham, Trans.). New York, NY: Cambridge University Press. (Original work published 1641)
- Descartes, R. (2006). *A discourse on the method of correctly conducting one's reason and seeking truth in the sciences*. (I. Maclean, Trans.). Oxford, UK; New York, NY: Oxford University Press. (Original work published 1637)
- Deutsch, D. (1999). *The psychology of music* (2nd ed.). San Diego, CA: Academic Press.
- de Villiers, P. (1977). Choice in concurrent schedules and a quantitative formulation of the law of effect. In W. K. Honig & J. E. R. Staddon (Eds.), *Handbook of operant behavior* (pp. 233–287). Englewood Cliffs, NJ: Prentice Hall.
- de Villiers, P., & Herrnstein, R. J. (1976). Toward a law of response strength. *Psychological Bulletin*, 83(6), 1131–1153.
- Devlin, K. (1996). Good-bye Descartes? *Mathematics Magazine*, 69, 344–349.
- Dewdney, C. (1998). *Last flesh: Life in the transhuman era* (1st ed.). Toronto, ON: HarperCollins.
- Dewey, J. (1929). *Experience and nature* (2nd ed.). Chicago, IL: Open Court Publishing Company.
- De Wilde, P. (1997). *Neural network models*, (2nd ed.). London, UK: Springer.
- Dick, P. K. (1968). *Do androids dream of electric sheep?* (1st ed.). Garden City, NY: Doubleday.
- Di Pellegrino, G., Fadiga, L., Fogassi, L., Gallese, V., & Rizzolatti, G. (1992). Understanding motor events: A neurophysiological study. *Experimental Brain Research*, 91(1), 176–180.
- Dorigo, M., & Gambardella, L. M. (1997). Ant colonies for the travelling salesman problem. *Biosystems*, 43(2), 73–81.
- Douglas, R. J., & Martin, K. A. C. (1991). Opening the grey box. *Trends in Neuroscience*, 14, 286–293.
- Dourish, P. (2001). *Where the action is: The foundations of embodied interaction*. Cambridge, MA: MIT Press.
- Downing, H. A., & Jeanne, R. L. (1986). Intraspecific and interspecific variation in nest architecture in the paper wasp *Polistes* (Hymenoptera, Vespidae). *Insectes Sociaux*, 33(4), 422–443.

- Downing, H. A., & Jeanne, R. L. (1988). Nest construction by the paper wasp, *Polistes*: A test of stigmergy theory. *Animal Behaviour*, *36*, 1729–1739.
- Dreyfus, H. L. (1972). *What computers can't do: A critique of artificial reason* (1st ed.). New York, NY: Harper & Row.
- Dreyfus, H. L. (1992). *What computers still can't do*. Cambridge, MA: MIT Press.
- Dreyfus, H. L., & Dreyfus, S. E. (1988). Making a mind versus modeling the brain: Artificial intelligence back at the branchpoint. In S. Graubard (Ed.), *The artificial intelligence debate*. Cambridge, MA: MIT Press.
- Driver-Linn, E. (2003). Where is psychology going? Structural fault lines, revealed by psychologists' use of Kuhn. *American Psychologist*, *58*(4), 269–278.
- Drob, S. L. (2003). Fragmentation in contemporary psychology: A dialectical solution. *Journal of Humanistic Psychology*, *43*(4), 102–123.
- Dubinko, M., Kumar, R., Magnani, J., Novak, J., Raghavan, P., & Tomkins, A. (2007). Visualizing tags over time. *Acm Transactions on the Web*, *1*(2).
- Duch, W., & Jankowski, N. (1999). Survey of neural transfer functions. *Neural Computing Surveys*, *2*, 163–212.
- Dutton, J. M., & Starbuck, W. H. (1971). *Computer simulation of human behavior*. New York, NY: John Wiley & Sons.
- Dyer, J. R. G., Ioannou, C. C., Morrell, L. J., Croft, D. P., Couzin, I. D., Waters, D. A., et al. (2008). Consensus decision making in human crowds. *Animal Behaviour*, *75*, 461–470.
- Dyer, J. R. G., Johansson, A., Helbing, D., Couzin, I. D., & Krause, J. (2009). Leadership, consensus decision making and collective behaviour in humans. *Philosophical Transactions of the Royal Society B-Biological Sciences*, *364*(1518), 781–789.
- Eckert, W. J. (1940). *Punched card methods in scientific computation*. New York, NY: The Thomas J. Watson Astronomical Computing Bureau, Columbia University.
- Edsinger-Gonzales, A., & Weber, J. (2004, November). Domo: A force sensing humanoid robot for manipulation research. Paper presented at the 4th IEEE/RAS International Conference on Humanoid Robots, Santa Monica, CA.
- Eich, J. M. (1982). A composite holographic associative recall model. *Psychological Review*, *89*, 627–661.
- Einstein, A. (1947). *Music in the Romantic Era*. New York, NY: W. W. Norton & Company.
- Ellis, H. D., & Florence, M. (1990). Bodamer (1947) paper on prosopagnosia. *Cognitive Neuropsychology*, *7*(2), 81–105.
- Elman, J. L., Bates, E. A., Johnson, M. H., Karmiloff-Smith, A., Parisi, D., & Plunkett, K. (1996). *Rethinking innateness*. Cambridge, MA: MIT Press.
- Endicott, R. P. (1998). Collapse of the new wave. *The Journal of Philosophy*, *XCV*, 53–72.
- Enns, J. T. (2004). *The thinking eye, the seeing brain: Explorations in visual cognition* (1st ed.). New York, NY: W.W. Norton.
- Eno, Brian. (1996). *Evolving metaphors, in my opinion, is what artists do*. Retrieved from <http://www.inmotionmagazine.com/enoi.html>
- Enquist, M., & Ghirlanda, S. (2005). *Neural networks and animal behavior*. Princeton, NJ: Princeton University Press.

- Ericsson, K. A., & Simon, H. A. (1984). *Protocol analysis: Verbal reports as data*. Cambridge, MA: MIT Press.
- Essinger, J. (2004). *Jacquard's web: How a hand loom led to the birth of the Information Age*. Oxford, UK; New York, NY: Oxford University Press.
- Estes, W. K. (1975). Some targets for mathematical psychology. *Journal of Mathematical Psychology*, 12, 263–282.
- Estes, W. K., & Straughan, J. H. (1954). Analysis of a verbal conditioning situation in terms of statistical learning theory. *Journal of Experimental Psychology*, 47(4), 225–234.
- Etcoff, N. L., & Magee, J. J. (1992). Categorical perception of facial expressions. *Cognition*, 44(3), 227–240.
- Evans, H. E. (1966). Behavior patterns of solitary wasps. *Annual Review of Entomology*, 11, 123–154.
- Evans, H. E., & West-Eberhard, M. J. (1970). *The wasps*. Ann Arbor, MI: University of Michigan Press.
- Evans, J. S. T. (2003). In two minds: Dual-process accounts of reasoning. *Trends in Cognitive Sciences*, 7(10), 454–459.
- Everitt, B. (1980). *Cluster analysis*. New York, NY: Halsted.
- Ewald, W. B. (1996). *From Kant to Hilbert: A source book on the foundations of mathematics*. Oxford, UK: Oxford University Press.
- Farah, M. J. (1994). Neuropsychological evidence with an interactive brain: A critique of the “locality” assumption. *Behavioral and Brain Sciences*, 17, 43–104.
- Faria, J. J., Dyer, J. R. G., Tosh, C. R., & Krause, J. (2010). Leadership and social information use in human crowds. *Animal Behaviour*, 79(4), 895–901.
- Fechner, G. T. (1966). *Elements of psychophysics*. (H. E. Adler, Trans.). New York, NY: Holt. (Original work published 1860)
- Feigenbaum, E. A., & Feldman, J. (1995). *Computers and thought*. Cambridge, MA: MIT Press.
- Feigenbaum, E. A., & McCorduck, P. (1983). *The fifth generation*. Reading, MA: Addison-Wesley.
- Feldman, J. A., & Ballard, D. H. (1982). Connectionist models and their properties. *Cognitive Science*, 6, 205–254.
- Ferguson, K. (2008). *The music of Pythagoras* (1st U.S. ed.). New York, NY: Walker.
- Ferrari, P. F., Gallese, V., Rizzolatti, G., & Fogassi, L. (2003). Mirror neurons responding to the observation of ingestive and communicative mouth actions in the monkey ventral premotor cortex. *European Journal of Neuroscience*, 17(8), 1703–1714.
- Feyerabend, P. (1975). *Against method: Outline of an anarchistic theory of knowledge*. Atlantic Highlands, NJ: Humanities Press.
- Finke, R. A., & Schmidt, M. J. (1977). Orientation-specific color aftereffects following imagination. *Journal of Experimental Psychology: Human Perception and Performance*, 3(4), 599–606.
- Fischer, M. E., Couvillon, P. A., & Bitterman, M. E. (1993). Choice in honeybees as a function of the probability of reward. *Animal Learning & Behavior*, 21(3), 187–195.
- Fiske, H. E. (2004). *Connectionist models of musical thinking*. Lewiston, NY: E. Mellen Press.
- Fitch, W. T., Hauser, M. D., & Chomsky, N. (2005). The evolution of the language faculty: Clarifications and implications. *Cognition*, 97(2), 179–210.



- Fletcher, G. J. O. (1995). *The scientific credibility of folk psychology*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Fletcher, H. (1924). The physical criterion for determining the pitch of a musical tone. *Physical Review*, 23(3), 427–437.
- Flombaum, J. I., Scholl, B. J., & Pylyshyn, Z. W. (2008). Attentional resources in visual tracking through occlusion: The high-beams effect. *Cognition*, 107(3), 904–931.
- Fodor, J. A. (1968a). Appeal to tacit knowledge in psychological explanation. *Journal of Philosophy*, 65(20), 627–640.
- Fodor, J. A. (1968b). *Psychological explanation: An introduction to the philosophy of psychology*. New York, NY: Random House.
- Fodor, J. A. (1975). *The language of thought*. Cambridge, MA: Harvard University Press.
- Fodor, J. A. (1980). Methodological solipsism considered as a research strategy in cognitive psychology. *Behavioral and Brain Sciences*, 3(1), 63–73.
- Fodor, J. A. (1983). *The modularity of mind*. Cambridge, MA: MIT Press.
- Fodor, J. A. (1985). Précis of the modularity of mind. *Behavioral & Brain Sciences*, 8, 1–42.
- Fodor, J. A. (2000). *The mind doesn't work that way: The scope and limits of computational psychology*. Cambridge, MA: MIT Press.
- Fodor, J. A. (2009). What's so good about Pylyshyn? In D. Dedrick & L. Trick (Eds.), *Computation, cognition, and Pylyshyn* (pp. ix–xvii). Cambridge, MA: MIT Press.
- Fodor, J. A., & McLaughlin, B. P. (1990). Connectionism and the problem of systematicity: Why Smolensky's solution doesn't work. *Cognition*, 35, 183–204.
- Fodor, J. A., & Pylyshyn, Z. W. (1981). How direct is visual perception? Some reflections on Gibson's ecological approach. *Cognition*, 9, 139–196.
- Fodor, J. A., & Pylyshyn, Z. W. (1988). Connectionism and cognitive architecture. *Cognition*, 28, 3–71.
- Fogel, D. B. (1988). An evolutionary approach to the traveling salesman problem. *Biological Cybernetics*, 60(2), 139–144.
- Fong, T., Nourbakhsh, I., & Dautenhahn, K. (2003). A survey of socially interactive robots. *Robotics and Autonomous Systems*, 42(3–4), 143–166.
- Ford, K. M., & Pylyshyn, Z. W. (1996). *The robot's dilemma revisited: The frame problem in artificial intelligence*. Norwood, NJ: Ablex Pub.
- Francès, R. (1988). *The perception of music*. (W. J. Dowling, Trans.). Hillsdale, NJ: Lawrence Erlbaum Associates.
- Franconeri, S. L., Lin, J. Y., Pylyshyn, Z. W., Fisher, B., & Enns, J. T. (2008). Evidence against a speed limit in multiple-object tracking. *Psychonomic Bulletin & Review*, 15(4), 802–808.
- Franklin, J. A. (2006). Jazz melody generation using recurrent networks and reinforcement learning. *International Journal on Artificial Intelligence Tools*, 15(4), 623–650.
- French, P. A., & Wettstein, H. K. (2007). *Philosophy and the empirical*. Malden, MA: Blackwell Publishers
- French, R. M. (2000). The Turing test: The first 50 years. *Trends in Cognitive Sciences*, 4(3), 115–122.
- Freud, S. (1976). The uncanny. (J. Strachey, Trans.). *New Literary History*, 7(3), 619–645. (Original work published 1919)

- Friedmann, M. L. (1990). *Ear training for twentieth-century music*. New Haven, CT: Yale University Press.
- Frisby, J. P. (1980). *Seeing: Illusion, brain, and mind*. Oxford: Oxford University Press.
- Fukushima, K. (1986). A neural network model for selective attention in visual pattern recognition. *Biological Cybernetics*, 55, 5–15.
- Funahashi, K. (1989). On the approximate realization of continuous mappings by neural networks. *Neural Networks*, 2, 183–192.
- Gaines, J. R. (2005). *Evening in the Palace of Reason: Bach meets Frederick the Great in the Age of Enlightenment*. London, UK; New York, NY: Fourth Estate.
- Gallagher, S. (2005). *How the body shapes the mind*. Oxford, UK; New York, NY: Clarendon Press.
- Gallant, S. I. (1993). *Neural network learning and expert systems*. Cambridge, MA: MIT Press.
- Gallese, V., Fadiga, L., Fogassi, L., & Rizzolatti, G. (1996). Action recognition in the premotor cortex. *Brain*, 119, 593–609.
- Gallese, V., & Goldman, A. (1998). Mirror neurons and the simulation theory of mind-reading. *Trends in Cognitive Sciences*, 2(12), 493–501.
- Gallese, V., Keysers, C., & Rizzolatti, G. (2004). A unifying view of the basis of social cognition. *Trends in Cognitive Sciences*, 8(9), 396–403.
- Gallistel, C. R. (1990). *The organization of learning*. Cambridge, MA: MIT Press.
- Gardner, H. (1984). *The mind's new science*. New York, NY: Basic Books.
- Garfield, J. L. (1987). *Modularity in knowledge representation and natural-language understanding*. Cambridge, MA: MIT Press.
- Gasser, M., Eck, D., & Port, R. (1999). Meter as mechanism: A neural network model that learns metrical patterns. *Connection Science*, 11(2), 187–216.
- Gazzaniga, M. S. (2000). *Cognitive neuroscience: A reader*. Malden, MA: Blackwell Publishers.
- Gendler, T., & Hawthorne, J. (2006). *Perceptual experience*. Oxford, UK: Oxford University Press.
- Gerkey, B. P., & Mataric, M. J. (2002). Sold!: Auction methods for multirobot coordination. *IEEE Transactions on Robotics and Automation*, 18(5), 758–768.
- Gerkey, B. P., & Mataric, M. J. (2004). A formal analysis and taxonomy of task allocation in multi-robot systems. *International Journal of Robotics Research*, 23(9), 939–954.
- Gerrissen, J. F. (1991). On the network-based emulation of human visual search. *Neural Networks*, 4, 543–564.
- Gerstner, W., & Kistler, W. M. (2002). Mathematical formulations of Hebbian learning. *Biological Cybernetics*, 87(5–6), 404–415.
- Gibbs, R. W. (2006). *Embodiment and cognitive science*. Cambridge, UK: Cambridge University Press.
- Gibson, J. J. (1966). *The senses considered as perceptual systems*. Boston, MA: Houghton Mifflin.
- Gibson, J. J. (1979). *The ecological approach to visual perception*. Boston, MA: Houghton Mifflin.
- Gilbert, D. (2002). Are psychology's tribes ready to form a nation? *Trends in Cognitive Sciences*, 6(1), 3–3.
- Girosi, F., & Poggio, T. (1990). Networks and the best approximation property. *Biological Cybernetics*, 63, 169–176.

- Gjerdingen, R. O. (1989). Using connectionist models to explore complex musical patterns. *Computer Music Journal*, 13(3), 67–75.
- Gjerdingen, R. O. (1990). Categorization of musical patterns by self-organizing neuron-like networks. *Music Perception*, 7(4), 339–369.
- Gjerdingen, R. O. (1992). Learning syntactically significant temporal patterns of chords: A masking field embedded in an ART-3 architecture. *Neural Networks*, 5(4), 551–564.
- Gjerdingen, R. O. (1994). Apparent motion in music. *Music Perception*, 11(4), 335–370.
- Gjerdingen, R. O., & Perrott, D. (2008). Scanning the dial: The rapid recognition of music genres. *Journal of New Music Research*, 37(2), 93–100.
- Glanzer, M. (1972). Storage mechanisms in free recall. In G. H. Bower (Ed.), *The psychology of learning and motivation: Advances in research and theory*. New York, NY: Academic Press.
- Glanzer, M., & Cunitz, A. R. (1966). Two storage mechanisms in free recall. *Journal of Verbal Learning and Verbal Behavior*, 5(4), 351–360.
- Glass, P. (1987). *Music by Philip Glass* (1st ed.). New York, NY: Harper & Row.
- Gleitman, L. R., & Liberman, M. (1995). *An invitation to cognitive science: Language* (Vol. 1, 2nd ed.). Cambridge, MA: MIT Press.
- Gluck, M. A., & Bower, G. H. (1988). From conditioning to category learning: An adaptive network model. *Journal of Experimental Psychology-General*, 117(3), 227–247.
- Gluck, M. A., & Myers, C. (2001). *Gateway to memory: An introduction to neural network modeling of the hippocampus and learning*. Cambridge, MA: MIT Press.
- Godfrey, M. D., & Hendry, D. F. (1993). The computer as von Neumann planned it. *IEEE Annals of the History of Computing*, 15(1), 11–21.
- Goertzen, J. R. (2008). On the possibility of unification: The reality and nature of the crisis in psychology. *Theory & Psychology*, 18(6), 829–852.
- Gold, E. M. (1967). Language identification in the limit. *Information and Control*, 10, 447–474.
- Goldberg, M. E., & Bruce, C. J. (1985). Cerebral cortical activity associated with the orientation of visual attention in the rhesus monkey. *Vision Research*, 25, 471–481.
- Goldman, A. I. (2006). *Simulating minds: The philosophy, psychology, and neuroscience of mindreading*. Oxford, UK; New York, NY: Oxford University Press.
- Goldman, C. V., Gang, D., Rosenschein, J. S., & Lehmann, D. (1999). NetNeg: A connectionist-agent integrated system for representing musical knowledge. *Annals of Mathematics and Artificial Intelligence*, 25(1–2), 69–90.
- Goldstine, H. H. (1993). *The computer: From Pascal to von Neumann*. Princeton, NJ: Princeton University Press.
- Gombrich, E. H. (1960). *Art and illusion: A study in the psychology of pictorial representation*. New York, NY: Pantheon Books.
- Goodale, M. A. (1988). Modularity in visuomotor control: From input to output. In Z. W. Pylyshyn (Ed.), *Computational processes in human vision: An interdisciplinary perspective* (pp. 262–285). Norwood, NJ: Ablex.
- Goodale, M. A. (1990). *Vision and action: The control of grasping*. Norwood, NJ: Ablex.

- Goodale, M. A. (1995). The cortical organization of visual perception and visuomotor control. In S. M. Kosslyn & D. N. Osherson (Eds.), *An invitation to cognitive science: Visual cognition* (Vol. 2, pp. 167–213). Cambridge, MA: MIT Press.
- Goodale, M. A., & Humphrey, G. K. (1998). The objects of action and perception. *Cognition*, 67, 181–207.
- Goodale, M. A., Jakobson, L. S., & Keillor, J. M. (1994). Differences in the visual control of pantomimed and natural grasping movements. *Neuropsychologia*, 32(10), 1159–1178.
- Goodale, M. A., Milner, A. D., Jakobson, L. S., & Carey, D. P. (1991). A neurological dissociation between perceiving objects and grasping them. *Nature*, 349(6305), 154–156.
- Goodman, N. (1978). *Ways of worldmaking*. Indianapolis, IN: Hackett Publishing.
- Gopnik, A., & Meltzoff, A. N. (1997). *Words, thoughts, and theories*. Cambridge, MA: MIT Press.
- Gopnik, A., Meltzoff, A. N., & Kuhl, P. K. (1999). *The scientist in the crib: Minds, brains, and how children learn* (1st ed.). New York, NY: William Morrow & Co.
- Gopnik, A., & Wellman, H. (1992). Why the child's theory of mind really is a theory. *Mind & Language*, 7, 145–171.
- Gordon, R. M. (1986). Folk psychology as simulation. *Mind & Language*, 1(158–171).
- Gordon, R. M. (1992). The simulation theory: Objections and misconceptions. *Mind & Language*, 7, 11–34.
- Gordon, R. M. (1995). Sympathy, simulation, and the impartial spectator. *Ethics*, 105(4), 727–742.
- Gordon, R. M. (1999). Simulation theory vs. theory-theory. In R. A. Wilson & F. C. Keil (Eds.), *The MIT encyclopedia of the cognitive sciences* (pp. 765–766). Cambridge, MA: MIT Press.
- Gordon, R. M. (2005a). Intentional agents like myself. In S. Hurley & N. Chater (Eds.), *Perspectives on imitation: From mirror neurons to memes* (Vol. 1, pp. 95–106). Cambridge MA: MIT Press.
- Gordon, R. M. (2005b). Simulation and systematic errors in prediction. *Trends in Cognitive Sciences*, 9(8), 361–362.
- Gordon, R. M. (2007). Ascent routines for propositional attitudes. *Synthese*, 159(2), 151–165.
- Gordon, R. M. (2008). Beyond mindreading. *Philosophical Explorations*, 11(3), 219–222.
- Goryo, K., Robinson, J. O., & Wilson, J. A. (1984). Selective looking and the Muller-Lyer illusion: The effect of changes in the focus of attention on the Muller-Lyer illusion. *Perception*, 13(6), 647–654.
- Goss, S., Aron, S., Deneubourg, J. L., & Pasteels, J. M. (1989). Self-organized shortcuts in the Argentine ant. *Naturwissenschaften*, 76(12), 579–581.
- Graf, V., Bullock, D. H., & Bitterman, M. E. (1964). Further experiments on probability-matching in the pigeon. *Journal of the Experimental Analysis of Behavior*, 7(2), 151–157.
- Grant, M. J. (2001). *Serial music, serial aesthetics: Compositional theory in post-war Europe*. New York, NY: Cambridge University Press.
- Grasse, P. P. (1959). La reconstruction du nid et les coordinations interindividuelles chez *Bellicositermes natalensis* et *Cubitermes* sp. la théorie de la stigmergie: Essai d'interprétation du comportement des termites constructeurs. *Insectes Sociaux*, 6(1), 41–80.
- Green, D. W. (1996). *Cognitive science: An introduction*. Oxford, UK: Wiley-Blackwell.
- Green, E. A. H., & Malko, N. A. (1975). *The conductor and his score*. Englewood Cliffs, NJ: Prentice Hall.

- Greeno, J. G., & Moore, J. L. (1993). Situativity and symbols: Response to Vera and Simon. *Cognitive Science*, *17*, 49–59.
- Greenwood, J. D. (1991). *The future of folk psychology: Intentionality and cognitive science*. Cambridge, UK; New York, NY: Cambridge University Press.
- Greenwood, J. D. (1999). Simulation, theory-theory and cognitive penetration: No “instance of the fingerpost.” *Mind & Language*, *14*(1), 32–56.
- Gregory, R. L. (1970). *The intelligent eye*. London, UK: Weidenfeld & Nicolson.
- Gregory, R. L. (1978). *Eye and brain*. New York, NY: McGraw-Hill.
- Grenville, B. (2001). *The uncanny: Experiments in cyborg culture*. Vancouver, B.C.: Vancouver Art Gallery; Arsenal Pulp Press.
- Grey Walter, W. (1950a). An electro-mechanical animal. *Dialectica*, *4*(3), 206–213.
- Grey Walter, W. (1950b). An imitation of life. *Scientific American*, *182*(5), 42–45.
- Grey Walter, W. (1951). A machine that learns. *Scientific American*, *184*(8), 60–63.
- Grey Walter, W. (1963). *The living brain*. New York, NY: W.W. Norton & Co.
- Gridley, M. C., & Hoff, R. (2006). Do mirror neurons explain misattribution of emotions in music? *Perceptual and Motor Skills*, *102*(2), 600–602.
- Griffith, N. (1995). Connectionist visualization of tonal structure. *Artificial Intelligence Review*, *8*(5–6), 393–408.
- Griffith, N., & Todd, P. M. (1999). *Musical networks: Parallel distributed perception and performance*. Cambridge, MA: MIT Press.
- Griffiths, P. (1994). *Modern music: A concise history* (Rev. ed.). New York, NY: Thames and Hudson.
- Griffiths, P. (1995). *Modern music and after*. Oxford, UK; New York, NY: Oxford University Press.
- Gritten, A., & King, E. (2011). *New perspectives on music and gesture*. Burlington, VT: Ashgate.
- Gross, C. G. (1998). *Brain, vision, memory: Tales in the history of neuroscience*. Cambridge, MA: MIT Press.
- Gross, C. G. (2002). Genealogy of the “grandmother cell.” *Neuroscientist*, *8*(5), 512–518.
- Grossberg, S. (1980). How does the brain build a cognitive code? *Psychological Review*, *87*, 1–51.
- Grossberg, S. (1987). Competitive learning: From interactive activation to adaptive resonance. *Cognitive Science*, *11*, 23–63.
- Grossberg, S. (1988). *Neural networks and natural intelligence*. Cambridge, MA: MIT Press.
- Grossberg, S. (1999). Pitch-based streaming in auditory perception. In N. Griffith & P. M. Todd (Eds.), *Musical networks: Parallel distributed perception and performance* (pp. 117–140). Cambridge, MA: MIT Press.
- Grossberg, S., & Rudd, M. E. (1989). A neural architecture for visual motion perception: Group and element apparent motion. *Neural Networks*, *2*, 421–450.
- Grossberg, S., & Rudd, M. E. (1992). Cortical dynamics of visual motion perception: Short-range and long-range apparent motion. *Psychological Review*, *99*, 78–121.
- Gurevich, V. (2006). *Electric relays: Principles and applications*. Boca Raton, FL: CRC/Taylor & Francis.
- Guthrie, E. R. (1935). *The psychology of learning*. New York, NY: Harper.

- Gutin, G., & Punnen, A. P. (2002). *The traveling salesman problem and its variations*. Dordrecht, Netherlands; Boston, MA: Kluwer Academic Publishers.
- Guzik, A. L., Eaton, R. C., & Mathis, D. W. (1999). A connectionist model of left–right sound discrimination by the Mauthner system. *Journal of Computational Neuroscience*, 6(2), 121–144.
- Haberlandt, K. (1994). *Cognitive psychology*. Boston, MA: Allyn and Bacon.
- Hadley, R. F. (1993). Connectionism, explicit rules, and symbolic manipulation. *Minds and Machines: Journal for Artificial Intelligence, Philosophy and Cognitive Science*, 3(2), 183–200.
- Hadley, R. F. (1994a). Systematicity in connectionist language learning. *Minds and Machines: Journal for Artificial Intelligence, Philosophy and Cognitive Science*, 3, 183–200.
- Hadley, R. F. (1994b). Systematicity revisited: Reply to Christiansen and Chater and Niclason and van Gelder. *Mind & Language*, 9, 431–444.
- Hadley, R. F. (1997). Cognition, systematicity, and nomic necessity. *Mind & Language*, 12, 137–153.
- Hadley, R. F., & Hayward, M. B. (1997). Strong semantic systematicity from Hebbian connectionist learning. *Minds and Machines: Journal for Artificial Intelligence, Philosophy and Cognitive Science*, 7, 1–37.
- Hamanaka, M., Hirata, K., & Tojo, S. (2006). Implementing “A generative theory of tonal music.” *Journal of New Music Research*, 35(4), 249–277.
- Hanslick, E. (1957). *The beautiful in music*. New York, NY: Liberal Arts Press. (Original work published 1854)
- Hanson, S. J., & Burr, D. J. (1990). What connectionist models learn: Learning and representation in connectionist networks. *Behavioral and Brain Sciences*, 13, 471–518.
- Hanson, S. J., & Olson, C. R. (1991). Neural networks and natural intelligence: Notes from Mudville. *Connection Science*, 3, 332–335.
- Harkleroad, L. (2006). *The math behind the music*. Cambridge, UK; New York, NY: Cambridge University Press.
- Harnad, S. (1987). *Categorical perception*. Cambridge: Cambridge University Press.
- Harnad, S. (1990). The symbol grounding problem. *Physica D*, 42(1–3), 335–346.
- Harnish, R. M. (2002). *Minds, brains, and computers: An historical introduction to the foundations of cognitive science*. Malden, MA: Blackwell Publishers.
- Hartman, E., Keeler, J. D., & Kowalski, J. M. (1989). Layered neural networks with Gaussian hidden units as universal approximation. *Neural Computation*, 2, 210–215.
- Haselager, W. F. G. (1997). *Cognitive science and folk psychology: The right frame of mind*. Thousand Oaks, CA: Sage Publications.
- Haslinger, B., Erhard, P., Altenmuller, E., Schroeder, U., Boecker, H., & Ceballos-Baumann, A. O. (2005). Transmodal sensorimotor networks during action observation in professional pianists. *Journal of Cognitive Neuroscience*, 17(2), 282–293.
- Hastie, R. (2001). Problems for judgment and decision making. *Annual Review of Psychology*, 52, 653–683.
- Hatano, G., Miyake, Y., & Binks, M. G. (1977). Performance of expert abacus operators. *Cognition*, 5(1), 47–55.
- Haugeland, J. (1985). *Artificial intelligence: The very idea*. Cambridge, MA: MIT Press.

- Hauser, M. D., Chomsky, N., & Fitch, W. T. (2002). The faculty of language: What is it, who has it, and how did it evolve? *Science*, *298*(5598), 1569–1579.
- Haxby, J. V., Hoffman, E. A., & Gobbini, M. I. (2000). The distributed human neural system for face perception. *Trends in Cognitive Sciences*, *4*(6), 223–233.
- Haxby, J. V., Hoffman, E. A., & Gobbini, M. I. (2002). Human neural systems for face recognition and social communication. *Biological Psychiatry*, *51*(1), 59–67.
- Hayes, P. J., Ford, K. M., & Agnew, N. (1994). On babies and bathwater: A cautionary tale. *AI Magazine*, *15*(4), 15–26.
- Hayles, N. K. (1999). *How we became posthuman: Virtual bodies in cybernetics, literature, and informatics*. Chicago, IL: University of Chicago Press.
- Hayward, R. (2001). The tortoise and the love-machine: Grey Walter and the politics of electroencephalography. *Science in Context*, *14*(4), 615–641.
- Heal, J. (1986). Replication and functionalism. In J. Butterfield (Ed.), *Language, mind and logic* (pp. 135–150). Cambridge, UK: Cambridge University Press.
- Heal, J. (1996). Simulation and cognitive penetrability. *Mind & Language*, *11*(1), 44–67.
- Healy, S. (1998). *Spatial representation in animals*. Oxford, UK: Oxford University Press.
- Hebb, D. O. (1949). *The organization of behaviour*. New York, NY: John Wiley & Sons.
- Hebb, D. O. (1959). A neuropsychological theory. In S. Koch (Ed.), *Psychology: A study of a science: Vol. 1. Sensory, perceptual, and physiological foundations* (pp. 622–643). New York, NY: McGraw-Hill.
- Hecht-Nielsen, R. (1987). *Neurocomputing*. Reading, MA: Addison-Wesley.
- Hegel, G. W. F. (1931). *The phenomenology of mind* (2nd ed.). (J. B. Bailie, Trans.). London, UK; New York, NY: G. Allen & Unwin, The Macmillan Company. (Original work published 1807)
- Heidegger, M. (1962). *Being and time*. (J. Macquarrie & E. Robinson, Trans.). New York, NY: Harper. (Original work published 1927)
- Helmholtz, H. (1968). The recent progress of the theory of vision. In R. M. Warren & R. P. Warren (Eds.), *Helmholtz on perception: Its physiology and development* (pp. 61–136). New York, NY: John Wiley & Sons. (Original work published 1868.)
- Helmholtz, H., & Ellis, A. J. (1954). *On the sensations of tone as a physiological basis for the theory of music* (A. J. Ellis & H. Margenau, 2nd ed.). New York, NY: Dover Publications. (Original work published 1863)
- Helmholtz, H., & Southall, J. P. C. (1962a). *Helmholtz's treatise on physiological optics* (Vol. 1–2, J. P. C. Southall [Ed.]). New York, NY: Dover Publications. (Original work published 1856)
- Helmholtz, H., & Southall, J. P. C. (1962b). *Helmholtz's treatise on physiological optics* (Vol. 3, J. P. C. Southall [Ed.]). New York, NY: Dover Publications. (Original work published 1857)
- Henriques, G. R. (2004). Psychology defined. *Journal of Clinical Psychology*, *60*(12), 1207–1221.
- Hermer, L., & Spelke, E. S. (1994). A geometric process for spatial reorientation in young children. *Nature*, *370*(6484), 57–59.
- Herrnstein, R. J. (1961). Relative and absolute strength of response as a function of frequency of reinforcement. *Journal of the Experimental Analysis of Behavior*, *4*(3), 267–272.

- Herrnstein, R. J. (1997). *The matching law: Papers in psychology and economics*. New York, NY: Harvard University Press.
- Herrnstein, R. J., & Loveland, D. H. (1975). Maximizing and matching on concurrent ratio schedules. *Journal of the Experimental Analysis of Behavior*, 24(1), 107–116.
- Hess, R. H., Baker, C. L., & Zihl, J. (1989). The “motion-blind” patient: Low-level spatial and temporal filters. *The Journal of Neuroscience*, 9, 1628–1640.
- Hildesheimer, W. (1983). *Mozart*. New York, NY: Vintage Books.
- Hildreth, E. C. (1983). *The measurement of visual motion*. Cambridge, MA: MIT Press.
- Hillis, W. D. (1985). *The connection machine*. Cambridge, MA: MIT Press.
- Hillis, W. D. (1988). Intelligence as emergent behavior, or, the songs of Eden. In S. R. Graubard (Ed.), *The artificial intelligence debate* (pp. 175–189). Cambridge, MA: MIT Press.
- Hillis, W. D. (1998). *The pattern on the stone* (1st ed.). New York, NY: Basic Books.
- Hinchey, M. G., Sterritt, R., & Rouff, C. (2007). Swarms and swarm intelligence. *Computer*, 40(4), 111–113.
- Hinton, G. E. (1986). Learning distributed representations of concepts. Paper presented at The 8th Annual Meeting of the Cognitive Science Society, Ann Arbor, MI.
- Hinton, G. E., & Anderson, J. A. (1981). *Parallel models of associative memory*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Hinton, G. E., McClelland, J., & Rumelhart, D. (1986). Distributed representations. In D. Rumelhart & J. McClelland (Eds.), *Parallel distributed processing* (Vol. 1, pp. 77–109). Cambridge, MA: MIT Press.
- Hobbes, T. (1967). *Hobbes's Leviathan*. Oxford, UK: Clarendon Press. (Original work published 1651)
- Hodges, A. (1983). *Alan Turing: The enigma of intelligence*. London, UK: Unwin Paperbacks.
- Hoffman, D. D., & Singh, M. (1997). Saliency of visual parts. *Cognition*, 63(1), 29–78.
- Hofstadter, D. R. (1979). *Gödel, Escher, Bach: An eternal golden braid*. New York, NY: Basic Books.
- Hofstadter, D. R. (1995). *Fluid concepts and creative analogies*. New York, NY: Basic Books.
- Holland, J. H. (1992). *Adaptation in natural and artificial systems*. Cambridge, MA: MIT Press.
- Holland, O. (2003a). Exploration and high adventure: The legacy of Grey Walter. *Philosophical Transactions of the Royal Society of London Series A: Mathematical Physical and Engineering Sciences*, 361(1811), 2085–2121.
- Holland, O. (2003b). The first biologically inspired robots. *Robotica*, 21, 351–363.
- Holland, O., & Melhuish, C. (1999). Stigmergy, self-organization, and sorting in collective robotics. *Artificial Life*, 5, 173–202.
- Hollerith, H. (1889). An electric tabulating system. *The Quarterly, Columbia University School of Mines*, X(16), 238–255.
- Hooker, C. A. (1979). Critical notice: R. M. Yoshida's reduction in the physical sciences. *Dialogue*, 18, 81–99.
- Hooker, C. A. (1981). Towards a general theory of reduction. *Dialogue*, 20, 38–59, 201–236, 496–529.
- Hoover, A. K., & Stanley, K. O. (2009). Exploiting functional relationships in musical composition. *Connection Science*, 21(2–3), 227–251.



- Hopcroft, J. E., & Ullman, J. D. (1979). *Introduction to automata theory, languages, and computation*. Reading, MA: Addison-Wesley.
- Hopfield, J. J. (1982). Neural networks and physical systems with emergent collective computational abilities. *Proceedings of the National Academy of Sciences*, 79, 2554–2558.
- Hopfield, J. J. (1984). Neurons with graded response have collective computational properties like those of two state neurons. *Proceedings of the National Academy of Sciences*, 81, 3008–3092.
- Hopfield, J. J., & Tank, D. W. (1985). “Neural” computation of decisions in optimization problems. *Biological Cybernetics*, 52(3), 141–152.
- Horgan, J. (1992). Claude E. Shannon. *IEEE Spectrum*, 29(4), 72–75.
- Horgan, J. (1993). The mastermind of artificial intelligence. *Scientific American*, 269(5), 35–38.
- Horgan, T., & Tienson, J. (1996). *Connectionism and the philosophy of psychology*. Cambridge, MA: MIT Press.
- Horn, B. K. P. (1986). *Robot vision*. Cambridge, MA: MIT Press.
- Horn, B. K. P., & Brooks, M. J. (1989). *Shape from shading*. Cambridge, MA: MIT Press.
- Horn, B. K. P., & Schunk, B. (1981). Determining optical flow. *Artificial Intelligence*, 17, 185–203.
- Hornik, M., Stinchcombe, M., & White, H. (1989). Multilayer feedforward networks are universal approximators. *Neural Networks*, 2, 359–366.
- Horwood, H. (1987). *Dancing on the shore*. Toronto, ON: McClelland and Stewart.
- Howell, P., Cross, I., & West, R. (1985). *Musical structure and cognition*. London, UK; Orlando, FL: Academic Press.
- Hubel, D. H., & Wiesel, T. N. (1959). Receptive fields of single neurones in the cat’s striate cortex. *Journal of Physiology*, 148, 574–591.
- Humboldt, W. (1999). *On language: On the diversity of human language construction and its influence on the mental development of the human species*. (P. Heath, Trans.). New York, NY: Cambridge University Press. (Original work published 1836)
- Hume, D. (1952). *An enquiry concerning human understanding*. La Salle, IL: The Open Court Publishing Company. (Original work published 1748)
- Humphreys, G. W., & Bruce, V. (1989). *Visual cognition: Computational, experimental, and neuropsychological perspectives*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Hurley, S. (2001). Perception and action: Alternative views. *Synthese*, 129(1), 3–40.
- Huron, D. B. (2006). *Sweet anticipation: Music and the psychology of expectation*. Cambridge, MA: MIT Press.
- Husserl, E. (1965). *Phenomenology and the crisis of philosophy*. (Q. Lauer, Trans.). New York, NY: Harper & Row.
- Hutchins, E. (1995). *Cognition in the wild*. Cambridge, MA: MIT Press.
- Hyvarinen, J., & Poranen, A. (1974). Function of parietal associative area 7 as revealed from cellular discharges in alert monkeys. *Brain*, 97, 673–692.
- Iacoboni, M. (2008). *Mirroring people: The new science of how we connect with others* (1st ed.). New York, NY: Farrar, Straus & Giroux.
- Ichbiah, D. (2005). *Robots: From science fiction to technological revolution*. New York, NY: Harry N. Abrams.

- Inhelder, B., & Piaget, J. (1958). *The growth of logical thinking from childhood to adolescence*. (A. Parsons & S. Milgram, Trans.). New York, NY: Basic Books.
- Inhelder, B., & Piaget, J. (1964). *The early growth of logic in the child*. (E.A. Lunzer & D. Papert, Trans.). New York, NY: Harper & Row.
- Irvine, M. M. (2001). Early digital computers at Bell Telephone Laboratories. *IEEE Annals of the History of Computing*, 23(3), 22–42.
- Isacoff, S. (2001). *Temperament: The idea that solved music's greatest riddle* (1st ed.). New York, NY: Alfred A. Knopf.
- Jackendoff, R. (1977). *X-bar syntax: A study of phrase structure*. Cambridge, MA: MIT Press.
- Jackendoff, R. (1983). *Semantics and cognition*. Cambridge, MA: MIT Press.
- Jackendoff, R. (1987). On beyond zebra: The relation of linguistic and visual information. *Cognition*, 26, 89–114.
- Jackendoff, R. (1990). *Semantic structures*. Cambridge, MA: MIT Press.
- Jackendoff, R. (2002). *Foundations of language: Brain, meaning, grammar, evolution*. Oxford, UK; New York, NY: Oxford University Press.
- Jackendoff, R. (2009). Parallels and nonparallels between language and music. *Music Perception*, 26(3), 195–204.
- Jacob, P., & Jeannerod, M. (2003). *Ways of seeing: The scope and limits of visual cognition*. Oxford, UK; New York, NY: Oxford University Press.
- Jakobson, L. S., Archibald, Y. M., Carey, D. P., & Goodale, M. A. (1991). A kinematic analysis of reaching and grasping movements in a patient recovering from optic ataxia. *Neuropsychologia*, 29(8), 803–809.
- James, W. (1890a). *The principles of psychology* (Vol. 1). New York, NY: Dover Publications.
- James, W. (1890b). *The principles of psychology* (Vol. 2). New York, NY: Dover Publications.
- Jarvinen, T. (1995). Tonal hierarchies in jazz improvisation. *Music Perception*, 12(4), 415–437.
- Jeanne, R. L. (1996). Regulation of nest construction behaviour in *Polybia occidentalis*. *Animal Behaviour*, 52, 473–488.
- Jefferies, M. E., & Yeap, W. K. (2008). *Robotics and cognitive approaches to spatial mapping*. Berlin, Germany; New York, NY: Springer.
- Jensen, E. M., Reese, E. P., & Reese, T. W. (1950). The subitizing and counting of visually presented fields of dots. *Journal of Psychology*, 30(2), 363–392.
- Jevons, W. S. (1870). On the mechanical performance of logical inference. *Philosophical Transactions of the Royal Society of London*, 160, 497–518.
- Johnson, M. (2007). *The meaning of the body*. Chicago, IL: University of Chicago Press.
- Johnson-Laird, P. N. (1983). *Mental models*. Cambridge, MA: Harvard University Press.
- Jonsson, E. (2002). *Inner navigation: Why we get lost and how we find our way*. New York, NY: Scribner.
- Jordà, S., Geiger, G., Alonso, M., & Kaltensbrunner, M. (2007). The reacTable: Exploring the synergy between live music performance and tabletop tangible interfaces. Paper presented at the Proceedings of the first international conference on “Tangible and Embedded Interaction” (TEI07), Baton Rouge, Louisiana.

- Josephson, M. (1961). *Edison*. New York, NY: McGraw Hill.
- Jourdain, R. (1997). *Music, the brain, and ecstasy*. New York, NY: William Morrow & Co.
- Jun, S., Rho, S., & Hwang, E. (2010). Music retrieval and recommendation scheme based on varying mood sequences. *International Journal on Semantic Web and Information Systems*, 5(2), 1–16.
- Kahneman, D., Treisman, A., & Gibbs, B. J. (1992). The reviewing of object files: Object-specific integration of information. *Cognitive Psychology*, 24(2), 175–219.
- Kaltenbrunner, M., Jordà, S., Geiger, G., & Alonso, M. (2007). The reacTable: A collaborative musical instrument. Paper presented at the Proceedings of the Workshop on “Tangible Interaction in Collaborative Environments” (TICE), at the 15th International IEEE Workshops on Enabling Technologies (WETICE 2006), Manchester, UK.
- Kamin, L. J. (1968). Attention-like processes in classical conditioning. In M. R. Jones (Ed.), *Miami symposium on the prediction of behavior: Aversive stimulation* (pp. 9–32). Miami, FL: University of Miami Press.
- Karsai, I. (1999). Decentralized control of construction behavior in paper wasps: An overview of the stigmergy approach. *Artificial Life*, 5, 117–136.
- Karsai, I., & Penzes, Z. (1998). Nest shapes in paper wasps: Can the variability of forms be deduced from the same construction algorithm? *Proceedings of the Royal Society of London Series B-Biological Sciences*, 265(1402), 1261–1268.
- Karsai, I., & Wenzel, J. W. (2000). Organization and regulation of nest construction behavior in *Metapolybia* wasps. *Journal of Insect Behavior*, 13(1), 111–140.
- Kasabov, N. K. (1996). *Foundations of neural networks, fuzzy systems, and knowledge engineering*. Cambridge, MA: MIT Press.
- Katz, B. F. (1995). Harmonic resolution, neural resonance, and positive affect. *Music Perception*, 13(1), 79–108.
- Katzko, M. W. (2002). The rhetoric of psychological research and the problem of unification in psychology. *American Psychologist*, 57(4), 262–270.
- Kaufman, E. L., Lord, M. W., Reese, T. W., & Volkman, J. (1949). The discrimination of visual number. *American Journal of Psychology*, 62(4), 498–525.
- Kazennikov, O., & Wiesendanger, M. (2009). Bimanual coordination of bowing and fingering in violinists: Effects of position changes and string changes. *Motor Control*, 13(3), 297–309.
- Keasar, T., Rashkovich, E., Cohen, D., & Shmida, A. (2002). Bees in two-armed bandit situations: Foraging choices and possible decision mechanisms. *Behavioral Ecology*, 13(6), 757–765.
- Keith, G. P., Blohm, G., & Crawford, J. D. (2010). Influence of saccade efference copy on the spatiotemporal properties of remapping: A neural network study. *Journal of Neurophysiology*, 103(1), 117–139.
- Kelly, D. M., Spetch, M. L., & Heth, C. D. (1998). Pigeons’ (*Columba livia*) encoding of geometric and featural properties of a spatial environment. *Journal of Comparative Psychology*, 112(3), 259–269.
- Keysers, C., Wicker, B., Gazzola, V., Anton, J. L., Fogassi, L., & Gallese, V. (2004). A touching sight: SII/PV activation during the observation and experience of touch. *Neuron*, 42(2), 335–346.
- Kieras, D. E., & Meyer, D. E. (1997). An overview of the EPIC architecture for cognition and performance with application to human–computer interaction. *Human–Computer Interaction*, 12(4), 391–438.

- Kirk, K. L., & Bitterman, M. E. (1965). Probability-learning by the turtle. *Science*, *148*(3676), 1484–1485.
- Kirkpatrick, S., Gelatt, C. D., & Vecchi, M. P. (1983). Optimization by simulated annealing. *Science*, *220*(4598), 671–680.
- Kirsh, D. (1992). When is information explicitly represented? In P. P. Hanson (Ed.), *Information, language, and cognition* (pp. 340–365). Oxford, UK: Oxford University Press.
- Kitchin, R. M. (1994). Cognitive maps: What are they and why study them? *Journal Of Environmental Psychology*, *14*, 1–19.
- Kivy, P. (1991). *Sound and semblance: Reflections on musical representation*. Ithaca, NY: Cornell University Press.
- Klein, R. (1988). Inhibitory tagging system facilitates visual search. *Nature*, *334*, 430–431.
- Knobe, J. M., & Nichols, S. (2008). *Experimental philosophy*. Oxford, UK; New York, NY: Oxford University Press.
- Knuth, D. E. (1997). *The art of computer programming: Vol. 3. Sorting and Searching* (3rd ed.). Reading, MA: Addison-Wesley.
- Ko, B. C., & Byun, H. (2002). Query-by-gesture: An alternative content-based image retrieval query scheme. *Journal of Visual Languages and Computing*, *13*(4), 375–390.
- Koch, C., & Ullman, S. (1985). Shifts in selective visual attention: Towards the underlying neural circuitry. *Human Neurobiology*, *4*, 219–227.
- Koch, S. (1959). *Psychology: A study of a science*. New York, NY: McGraw-Hill.
- Koch, S. (1969). Psychology cannot be a coherent science. *Psychology Today*, *3*(4), 14, 64–68.
- Koch, S. (1976). Language communities, search cells, and the psychological studies. In W. J. Arnold (Ed.), *Nebraska symposium on motivation: Conceptual foundations of psychology* (Vol. 23, pp. 477–559). Lincoln, NE: University of Nebraska Press.
- Koch, S. (1981). The nature and limits of psychological knowledge: Lessons of a century qua “science.” *American Psychologist*, *36*(3), 257–269.
- Koch, S. (1993). “Psychology” or “the psychological studies.” *American Psychologist*, *48*(8), 902–904.
- Koelsch, S., Kasper, E., Sammler, D., Schulze, K., Gunter, T., & Friederici, A. D. (2004). Music, language and meaning: Brain signatures of semantic processing. *Nature Neuroscience*, *7*(3), 302–307.
- Koenig, G. M. (1999). PROJECT 1 Revisited: On the analysis and interpretation of PR1 tables. In J. Tabor (Ed.), *Otto Laske: Navigating new horizons* (pp. 53–72). Westport, CT: Greenwood Press.
- Koffka, K. (1935). *Principles of gestalt psychology*. New York, NY: Harcourt, Brace & World.
- Köhler, W. (1947). *Gestalt psychology: An introduction to new concepts in modern psychology*. New York, NY: Liveright Pub. Corp.
- Kohonen, T. (1977). *Associative memory: A system-theoretical approach*. New York, NY: Springer-Verlag.
- Kohonen, T. (1984). *Self-organization and associative memory*. New York, NY: Springer-Verlag.
- Kohonen, T. (2001). *Self-organizing maps* (3rd ed.). Berlin, Germany; New York, NY: Springer.
- Kohonen, T., Laine, P., Tiits, K., & Torkkola, K. (1991). A nonheuristic automatic composing method. In P. M. Todd & D. G. Loy (Eds.), *Music and connectionism* (pp. 229–242). Cambridge, MA: MIT Press.
- Kojima, T. (1954). *The Japanese abacus: Its use and theory* (1st ed.). Tokyo, Japan; Rutland, VT: C. E. Tuttle Co.

- Kolers, P. (1972). *Aspects of motion perception*. New York, NY: Pergamon Press.
- Kolers, P., & Green, M. (1984). Color logic of apparent motion. *Perception*, *13*, 149–154.
- Kolers, P., & Pomerantz, J. R. (1971). Figural change in apparent motion. *Journal of Experimental Psychology*, *87*, 99–108.
- Kolers, P., & von Grunau, M. (1976). Shape and colour in apparent motion. *Vision Research*, *16*, 329–335.
- Konczak, J., van der Velden, H., & Jaeger, L. (2009). Learning to play the violin: Motor control by freezing, not freeing degrees of freedom. *Journal of Motor Behavior*, *41*(3), 243–252.
- Kosslyn, S. M. (1980). *Image and mind*. Cambridge, MA: Harvard University Press.
- Kosslyn, S. M. (1987). Seeing and imagining in the cerebral hemispheres: A computational approach. *Psychological Review*, *94*(2), 148–175.
- Kosslyn, S. M. (1994). *Image and brain*. Cambridge, MA: MIT Press.
- Kosslyn, S. M., Ball, T. M., & Reiser, B. J. (1978). Visual images preserve metric spatial information: Evidence from studies of image scanning. *Journal of Experimental Psychology: Human Perception and Performance*, *4*(1), 47–60.
- Kosslyn, S. M., Brunn, J., Cave, K. R., & Wallach, R. W. (1984). Individual differences in mental imagery ability: A computational analysis. *Cognition*, *18*(1–3), 195–243.
- Kosslyn, S. M., Farah, M. J., Holtzman, J. D., & Gazzaniga, M. S. (1985). A computational analysis of mental image generation: Evidence from functional dissociations in split-brain patients. *Journal of Experimental Psychology: General*, *114*(3), 311–341.
- Kosslyn, S. M., Ganis, G., & Thompson, W. L. (2003). Mental imagery: Against the nihilistic hypothesis. *Trends in Cognitive Sciences*, *7*(3), 109–111.
- Kosslyn, S. M., & Osherson, D. N. (1995). *An invitation to cognitive science: Vol. 2. Visual cognition* (2nd Ed.). Cambridge, MA: MIT Press.
- Kosslyn, S. M., Pascual-Leone, A., Felican, O., Camposano, S., Keenan, J. P., Thompson, W. L. (1999). The role of area 17 in visual imagery: Convergent evidence from PET and rTMS. *Science*, *284*, 167–170.
- Kosslyn, S. M., & Shwartz, S. P. (1977). A simulation of visual imagery. *Cognitive Science*, *1*, 265–295.
- Kosslyn, S. M., Thompson, W. L., & Alpert, N. M. (1997). Neural systems shared by visual imagery and visual perception: A positron emission tomography study. *Neuroimage*, *6*, 320–334.
- Kosslyn, S. M., Thompson, W. L., & Ganis, G. (2006). *The case for mental imagery*. New York, NY: Oxford University Press.
- Kosslyn, S. M., Thompson, W. L., Kim, I. J., & Alpert, N. M. (1995). Topographical representations of mental images in area 17. *Nature*, *378*, 496–498.
- Kremer, S. C. (1995). On the computational powers of Elman-style recurrent networks. *IEEE Transactions on Neural Networks*, *6*, 1000–1004.
- Krumhansl, C. L. (1984). Independent processing of visual form and motion. *Perception*, *13*, 535–546.
- Krumhansl, C. L. (1990). *Cognitive foundations of musical pitch*. New York, NY: Oxford University Press.
- Krumhansl, C. L. (2005). The geometry of musical structure: A brief introduction and history. *ACM Computers In Entertainment*, *3*(4), 1–14.

- Krumhansl, C. L., Bharucha, J. J., & Kessler, E. J. (1982). Perceived harmonic structure of chords in three related musical keys. *Journal of Experimental Psychology: Human Perception and Performance*, 8(1), 24–36.
- Krumhansl, C. L., & Kessler, E. J. (1982). Tracing the dynamic changes in perceived tonal organization in a spatial representation of musical keys. *Psychological Review*, 89(4), 334–368.
- Krumhansl, C. L., & Shepard, R. N. (1979). Quantification of the hierarchy of tonal functions within a diatonic context. *Journal of Experimental Psychology: Human Perception and Performance*, 5(4), 579–594.
- Kruskal, J. B., & Wish, M. (1978). *Multidimensional scaling*. Beverly Hills, CA: Sage Publications.
- Kube, C. R., & Bonabeau, E. (2000). Cooperative transport by ants and robots. *Robotics and Autonomous Systems*, 30, 85–101.
- Kube, C. R., & Zhang, H. (1994). Collective robotics: From social insects to robots. *Adaptive Behavior*, 2, 189–218.
- Kuhberger, A., Kogler, C., Hug, A., & Mosl, E. (2006). The role of the position effect in theory and simulation. *Mind & Language*, 21(5), 610–625.
- Kuhn, T. S. (1957). *The Copernican revolution*. Cambridge, MA: Harvard University Press.
- Kuhn, T. S. (1970). *The structure of scientific revolutions* (2nd ed.). Chicago, IL: University of Chicago Press.
- Kurz, M. J., Judkins, T. N., Arellano, C., & Scott-Pandorf, M. (2008). A passive dynamic walking robot that has a deterministic nonlinear gait. *Journal of Biomechanics*, 41(6), 1310–1316.
- Kurzweil, R. (1990). *The age of intelligent machines*. Cambridge, MA: MIT Press.
- Kurzweil, R. (1999). *The age of spiritual machines*. New York, NY: Penguin.
- Kurzweil, R. (2005). *The singularity is near: When humans transcend biology*. New York, NY: Viking.
- LaBerge, D., Carter, M., & Brown, V. (1992). A network simulation of thalamic circuit operations in selective attention. *Neural Computation*, 4, 318–331.
- Ladd, C. (1883). An algebra of logic. In C. S. Peirce (Ed.), *Studies in logic* (pp. 17–71). Cambridge, MA: Harvard University Press.
- Laden, B., & Keefe, B. H. (1989). The representation of pitch in a neural net model of pitch classification. *Computer Music Journal*, 13, 12–26.
- Lahav, A., Saltzman, E., & Schlaug, G. (2007). Action representation of sound: Audiomotor recognition network while listening to newly acquired actions. *Journal of Neuroscience*, 27(2), 308–314.
- Laporte, G., & Osman, I. H. (1995). Routing problems: A bibliography. *Annals of Operations Research*, 61, 227–262.
- Large, E. W., & Kolen, J. F. (1994). Resonance and the perception of musical meter. *Connection Science*, 6, 177–208.
- Large, E. W., Palmer, C., & Pollack, J. B. (1995). Reduced memory representations for music. *Cognitive Science*, 19(1), 53–96.
- Lavington, S. H. (1980). *Early British computers: The story of vintage computers and the people who built them*. Bedford, MA: Digital Press.
- Lawler, E. L. (1985). *The traveling salesman problem: A guided tour of combinatorial optimization*. Chichester, West Sussex, UK; New York, NY: Wiley.

- Leahey, T. H. (1987). *A history of psychology* (2nd ed.). Englewood Cliffs, NJ: Prentice Hall.
- Leahey, T. H. (1992). The mythical revolutions of American psychology. *American Psychologist*, *47*(2), 308–318.
- Lee, E. M. (1916). *The story of the symphony*. London, UK: Walter Scott Publishing Co., Ltd.
- Lee, J. Y., Shin, S. Y., Park, T. H., & Zhang, B. T. (2004). Solving traveling salesman problems with DNA molecules encoding numerical values. *Biosystems*, *78*(1–3), 39–47.
- Lee, V. L. (1994). Organisms, things done, and the fragmentation of psychology. *Behavior and Philosophy*, *22*(2), 7–48.
- Leibniz, G. W. (1902). Leibniz: Discourse on metaphysics, correspondence with Arnauld, and monadology. (G. R. Montgomery, Trans.). La Salle, IL: The Open Court Publishing Co. (Original work published 1714)
- Leibovic, K. N. (1969). *Information processing in the nervous system*. New York, NY: Springer-Verlag.
- Leman, M. (1991). The ontogenesis of tonal semantics: Results of a computer study. In P. M. Todd & D. G. Loy (Eds.), *Music and connectionism* (pp. 100–127). Cambridge, MA: MIT Press.
- Leman, M. (2008). *Embodied music cognition and mediation technology*. Cambridge, MA: MIT Press.
- Lepore, E., & Pylyshyn, Z. W. (1999). *What is cognitive science?* Malden, MA: Blackwell Publishers.
- Lerdahl, F. (2001). *Tonal pitch space*. New York, NY: Oxford University Press.
- Lerdahl, F., & Jackendoff, R. (1983). *A generative theory of tonal music*. Cambridge, MA: MIT Press.
- Lerdahl, F., & Krumhansl, C. L. (2007). Modeling tonal tension. *Music Perception*, *24*(4), 329–366.
- Lettvin, J. Y., Maturana, H. R., McCulloch, W. S., & Pitts, W. H. (1959). What the frog's eye tells the frog's brain. *Proceedings of the IRE*, *47*(11), 1940–1951.
- Levin, I. (2002). *The Stepford wives*. New York, NY: Perennial. (Original work published 1969)
- Levine, M. (1989). *The jazz piano book*. Petaluma, CA: Sher Music Co.
- Lévi-Strauss, C. (1966). *The savage mind*. (J. Weightman & D. Weightman, Trans.). Chicago, IL: University of Chicago Press.
- Levitan, I. B., & Kaczmarek, L. K. (1991). *The neuron: Cell and molecular biology*. New York, NY: Oxford University Press.
- Levitin, D. J. (2006). *This is your brain on music*. New York, NY: Dutton.
- Lewandowsky, S. (1993). The rewards and hazards of computer simulations. *Psychological Science*, *4*, 236–243.
- Lewis, C. I. (1918). *A survey of symbolic logic*. Berkeley, CA: University of California Press.
- Lewis, C. I. (1932). Alternative systems of logic. *The Monist*, *42*(4), 481–507.
- Lewis, C. I., & Langford, C. H. (1959). *Symbolic logic* (2nd ed.). New York, NY: Dover Publications.
- Lewis, J. P. (1991). Creation by refinement and the problem of algorithmic music composition. In P. M. Todd & D. G. Loy (Eds.), *Music and connectionism* (pp. 212–228). Cambridge, MA: MIT Press.
- Lidov, D. (2005). *Is language a music?: Writings on musical form and signification*. Bloomington, IN: Indiana University Press.
- Lieberman, M. D. (2007). Social cognitive neuroscience: A review of core processes. *Annual Review of Psychology*, *58*, 259–289.

- Lightfoot, D. W. (1989). The child's trigger experience: Degree-of learnability. *Behavioral and Brain Sciences*, 12(2), 321-334.
- Lindsay, P. H., & Norman, D. A. (1972). *Human information processing*. New York, NY: Academic Press.
- Lippmann, R. P. (1987). An introduction to computing with neural nets. *IEEE ASSP Magazine*, April, 4-22.
- Lippmann, R. P. (1989). Pattern classification using neural networks. *IEEE Communications Magazine*, November, 47-64.
- Liu, N. H., Hsieh, S. J., & Tsai, C. F. (2010). An intelligent music playlist generator based on the time parameter with artificial neural networks. *Expert Systems with Applications*, 37(4), 2815-2825.
- Liversidge, A. (1993). Profile of Claude Shannon. In N. J. A. Sloane & A. D. Wyner (Eds.), *Claude Elwood Shannon: Collected Papers*. New York, NY: IEEE Press.
- Livingstone, M., & Hubel, D. (1988). Segregation of form, color, movement and depth: Anatomy, physiology, and perception. *Science*, 240, 740-750.
- Lobay, A., & Forsyth, D. A. (2006). Shape from texture without boundaries. *International Journal of Computer Vision*, 67(1), 71-91.
- Locke, J. (1977). *An essay concerning human understanding*. London: J. M. Dent & Sons. (Original work published 1706)
- Longo, N. (1964). Probability-learning and habit-reversal in the cockroach. *American Journal of Psychology*, 77(1), 29-41.
- Longyear, R. M. (1988). *Nineteenth-century Romanticism in music* (3rd ed.). Englewood Cliffs, NJ: Prentice Hall.
- Lopez, N., Nunez, M., & Pelayo, F. L. (2007). A formal specification of the memorization process. *International Journal of Cognitive Informatics and Natural Intelligence*, 1, 47-60.
- Lorayne, H. (1985). *Harry Lorayne's page-a-minute memory book*. New York, NY: Holt, Rinehart and Winston.
- Lorayne, H. (1998). *How to develop a super power memory*. Hollywood, FL: Lifetime Books.
- Lorayne, H. (2007). *Ageless memory: Simple secrets for keeping your brain young*. New York, NY: Black Dog & Leventhal Publishers.
- Lorayne, H., & Lucas, J. (1974). *The memory book*. New York, NY: Stein and Day.
- Lovecraft, H. P. (1933). The dreams in the witch-house. *Weird Tales*, 22(1), 86-111.
- Loy, D. G. (1991). Connectionism and musiconomy. In P. M. Todd & D. G. Loy (Eds.), *Music and connectionism* (pp. 20-36). Cambridge, MA: MIT Press.
- Luce, R. D. (1986). *Response times: Their role in inferring elementary mental organization*. New York, NY: Oxford University Press
- Luce, R. D. (1989). Mathematical psychology and the computer revolution. In J. A. Keats, R. Taft, R. A. Heath & S. H. Lovibond (Eds.), *Mathematical and theoretical systems* (pp. 123-138). Amsterdam, Netherlands: North-Holland.
- Luce, R. D. (1999). Where is mathematical modeling in psychology headed? *Theory & Psychology*, 9, 723-737.
- Lund, H., & Miglino, O. (1998). Evolving and breeding robots. In P. Husbands & J. A. Meyer (Eds.), *Evolutionary robotics: First European workshop, EvoRobot'98 : Paris, France, April 16-17, 1998, Proceedings* (pp. 192-210). Heidelberg and Berlin, Germany: Springer-Verlag.



- Luria, A., Tsvetkova, L., & Futer, J. (1965). Aphasia in a composer. *Journal of Neurological Sciences*, 2, 288–292.
- Lynch, J. C., Mountcastle, V. B., Talbot, W. H., & Yin, T. C. T. (1977). Parietal lobe mechanisms for directed visual attention. *Journal of Neurophysiology*, 40, 362–389.
- MacCorquodale, K. (1970). On Chomsky's review of Skinner's *Verbal Behavior*. *Journal of the Experimental Analysis of Behavior*, 13(1), 83–99.
- MacDorman, K. F., & Ishiguro, H. (2006). The uncanny advantage of using androids in cognitive and social science research. *Interaction Studies*, 7(3), 297–337.
- Mach, E. (1959). *The analysis of sensations*. (C. M. Williams, Trans.). New York, NY: Dover. (Original work published 1897)
- MacIver, M. A. (2008). Neuroethology: From morphological computation to planning. In P. Robbins & M. Aydede (Eds.), *The Cambridge handbook of situated cognition* (pp. 480–504). New York, NY: Cambridge University Press.
- MacKay, D. (1969). *Information, mechanism and meaning*. Cambridge, MA: MIT Press.
- Mackenzie, D. (2002). The science of surprise. *Discover*, 23(2), 59–62.
- Maestre, E., Blaauw, M., Bonada, J., Guaus, E., & Perez, A. (2010). Statistical modeling of bowing control applied to violin sound synthesis. *IEEE Transactions on Audio Speech and Language Processing*, 18(4), 855–871.
- Magnusson, T. (2009). Of epistemic tools: Musical instruments as cognitive extensions. *Organised Sound*, 14(2), 168–176.
- Magnusson, T. (2010). Designing constraints: Composing and performing with digital musical systems. *Computer Music Journal*, 34(4), 62–73.
- Mammone, R. J. (1993). *Artificial neural networks for speech and vision*. London, UK; New York, NY: Chapman & Hall.
- Mandelbrot, B. B. (1983). *The fractal geometry of nature* (Rev. ed.). New York, NY: W.H. Freeman & Co.
- Marcus, G. F. (1993). Negative evidence in language acquisition. *Cognition*, 46, 53–85.
- Marquand, A. (1885). A new logical machine. *Proceedings of the American Academy of Arts and Sciences*, 21, 303–307.
- Marr, D. (1976). Early processing of visual information. *Philosophical Transactions of the Royal Society of London*, 275, 483–524.
- Marr, D. (1982). *Vision*. San Francisco, CA: W. H. Freeman.
- Marr, D., & Hildreth, E. (1980). Theory of edge detection. *Proceedings of the Royal Society of London, B*, 207, 187–217.
- Marr, D., & Nishihara, H. K. (1978). Representation and recognition of the spatial organization of three-dimensional shapes. *Proceedings of the Royal Society of London Series B-Biological Sciences*, 200(1140), 269–294.
- Marr, D., Palm, G., & Poggio, T. (1978). Analysis of a cooperative stereo algorithm. *Biological Cybernetics*, 28(4), 223–239.
- Marr, D., & Poggio, T. (1979). Computational theory of human stereo vision. *Proceedings of the Royal Society of London Series B-Biological Sciences*, 204(1156), 301–328.
- Marr, D., & Ullman, S. (1981). Directional selectivity and its use in early visual processing. *Proceedings of the Royal Society of London, B-Biological Sciences*, 211, 151–180.

- Marshall, M. T., Hartshorn, M., Wanderley, M. M., & Levitin, D. J. (2009). Sensor choice for parameter modulation in digital musical instruments: Empirical evidence from pitch modulation. *Journal of New Music Research*, 38(3), 241–253.
- Martinez, J. L., & Derrick, B. E. (1996). Long-term potentiation and learning. *Annual Review of Psychology*, 47, 173–203.
- Mataric, M. J. (1998). Using communication to reduce locality in distributed multiagent learning. *Journal of Experimental & Theoretical Artificial Intelligence*, 10(3), 357–369.
- Maunsell, J. H. R., & Newsome, W. T. (1987). Visual processing in monkey extrastriate cortex. *Annual Review of Neuroscience*, 10, 363–401.
- Mays, W. (1953). The first circuit for an electrical logic-machine. *Science*, 118(3062), 281–282.
- Mazzoni, P., Andersen, R. A., & Jordan, M. I. (1991). A more biologically plausible learning rule for neural networks. *Proceedings of the National Academy of Sciences of the USA*, 88(10), 4433–4437.
- McCawley, J. D. (1981). *Everything that linguists have always wanted to know about logic but were ashamed to ask*. Chicago, IL: University of Chicago Press.
- McClelland, J. L. (1986). Resource requirements of standard and programmable nets. In D. Rumelhart & J. McClelland (Eds.), *Parallel distributed processing* (Vol. 1, pp. 460–487). Cambridge, MA: MIT Press.
- McClelland, J. L., & Rumelhart, D. E. (1986). *Parallel distributed processing* (Vol. 2). Cambridge, MA: MIT Press.
- McClelland, J. L., & Rumelhart, D. E. (1988). *Explorations in parallel distributed processing*. Cambridge, MA: MIT Press.
- McClelland, J. L., Rumelhart, D. E., & Hinton, G. E. (1986). The appeal of parallel distributed processing. In D. Rumelhart & J. McClelland (Eds.), *Parallel distributed processing: Vol. 1. Foundations* (pp. 3–44). Cambridge, MA: MIT Press.
- McCloskey, M. (1991). Networks and theories: The place of connectionism in cognitive science. *Psychological Science*, 2, 387–395.
- McColl, H. (1880). Symbolical reasoning. *Mind*, 5(17), 45–60.
- McCorduck, P. (1979). *Machines who think: A personal inquiry into the history and prospects of artificial intelligence*. San Francisco, CA: W.H. Freeman.
- McCulloch, W. S. (1988a). *Embodiments of mind*. Cambridge, MA: MIT Press.
- McCulloch, W. S. (1988b). What is a number, that a man may know it, and a man, that he may know a number? In W. S. McCulloch (Ed.), *Embodiments of mind* (pp. 1–18). Cambridge, MA: MIT Press.
- McCulloch, W. S., & Pitts, W. (1943). A logical calculus of the ideas immanent in nervous activity. *Bulletin of Mathematical Biophysics*, 5, 115–133.
- McEliece, R. J., Posner, E. C., Rodemich, E. R., & Venkatesh, S. S. (1987). The capacity of the Hopfield associative memory. *IEEE Transactions on Information Theory*, 33(4), 461–482.
- McGeer, T. (1990). Passive dynamic walking. *International Journal of Robotics Research*, 9(2), 62–82.
- McLuhan, M. (1994). *Understanding media: The extensions of man*. Cambridge, MA: MIT Press. (Original work published 1957)

- McNaughton, B., Barnes, C. A., Gerrard, J. L., Gothard, K., Jung, M. W., Knierim, J. J. (1996). Deciphering the hippocampal polyglot: The hippocampus as a path integration system. *The Journal of Experimental Biology*, 199, 173–185.
- McNeill, D. (2005). *Gesture and thought* (e-Pub ed.). Chicago, IL: University of Chicago Press.
- Medler, D. A. (1998). A brief history of connectionism. *Neural Computing Surveys*, 1, 18–72.
- Medler, D. A., & Dawson, M. R. W. (1994). Training redundant artificial neural networks: Imposing biology on technology. *Psychological Research*, 57, 54–62.
- Medler, D. A., Dawson, M. R. W., & Kingstone, A. (2005). Functional localization and double dissociations: The relationship between internal structure and behavior. *Brain and Cognition*, 57, 146–150.
- Melhuish, C., Sendova-Franks, A. B., Scholes, S., Horsfield, I., & Welsby, F. (2006). Ant-inspired sorting by robots: the importance of initial clustering. *Journal of the Royal Society Interface*, 3(7), 235–242.
- Menary, R. (2008). *Cognitive integration: Mind and cognition unbounded*. New York, NY: Palgrave Macmillan.
- Menary, R. (2010). *The extended mind*. Cambridge, MA: MIT Press.
- Mendelson, E. (1970). *Schaum's outline of theory and problems of Boolean algebra and switching circuits*. New York, NY: McGraw-Hill.
- Menzel, P., D'Aluisio, F., & Mann, C. C. (2000). *Robo sapiens: Evolution of a new species*. Cambridge, MA: MIT Press.
- Merleau-Ponty, M. (1962). *Phenomenology of perception*. (C. Smith, Trans.). London, UK; New York, NY: Routledge.
- Merriam, E. P., & Colby, C. L. (2005). Active vision in parietal and extrastriate cortex. *Neuroscientist*, 11(5), 484–493.
- Merriam, E. P., Genovese, C. R., & Colby, C. L. (2003). Spatial updating in human parietal cortex. *Neuron*, 39(2), 361–373.
- Metzinger, T. (2009). *The ego tunnel: The science of the mind and the myth of the self*. New York, NY: Basic Books.
- Meyer, D. E., Glass, J. M., Mueller, S. T., Seymour, T. L., & Kieras, D. E. (2001). Executive-process interactive control: A unified computational theory for answering 20 questions (and more) about cognitive ageing. *European Journal of Cognitive Psychology*, 13(1–2), 123–164.
- Meyer, D. E., & Kieras, D. E. (1997a). A computational theory of executive cognitive processes and multiple-task performance. 1. Basic mechanisms. *Psychological Review*, 104(1), 3–65.
- Meyer, D. E., & Kieras, D. E. (1997b). A computational theory of executive cognitive processes and multiple-task performance. 2. Accounts of psychological refractory-period phenomena. *Psychological Review*, 104(4), 749–791.
- Meyer, D. E., & Kieras, D. E. (1999). Précis to a practical unified theory of cognition and action: Some lessons from EPIC computational models of human multiple-task performance. *Attention and Performance Xvii*, 17, 17–88.
- Meyer, D. E., Kieras, D. E., Lauber, E., Schumacher, E. H., Glass, J., Zurbriggen, E. (1995). Adaptive Executive Control: Flexible multiple-task performance without pervasive immutable response-selection bottlenecks. *Acta Psychologica*, 90(1–3), 163–190.

- Meyer, L. B. (1956). *Emotion and meaning in music*. Chicago, IL: University of Chicago Press.
- Milford, M. J. (2008). *Robot navigation from nature*. Berlin, Germany: Springer.
- Mill, J. (1829). *Analysis of the phenomena of the human mind*. London, UK: Baldwin and Cradock.
- Mill, J., & Mill, J. S. (1869). *Analysis of the phenomena of the human mind: A new edition, with notes illustrative and critical*. (Alexander Bain, Andrew Findlater, and George Grote, Eds.). London, UK: Longmans, Green, Reader, and Dyer.
- Mill, J. S. (1848). *A system of logic, ratiocinative and inductive: Being a connected view of the principles of evidence and the methods of scientific investigation*. New York, NY: Harper & Brothers.
- Miller, G. A. (1951). *Language and communication* (1st ed.). New York, NY: McGraw-Hill.
- Miller, G. A. (2003). The cognitive revolution: a historical perspective. *Trends in Cognitive Sciences*, 7(3), 141–144.
- Miller, G. A., Galanter, E., & Pribram, K. H. (1960). *Plans and the structure of behavior*. New York, NY: Henry Holt & Co.
- Miller, L. K. (1989). *Musical savants: Exceptional skill in the mentally retarded*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Miller, N. Y. (2009). Modeling the effects of enclosure size on geometry learning. *Behavioural Processes*, 80, 306–313.
- Miller, N. Y., & Shettleworth, S. J. (2007). Learning about environmental geometry: An associative model. *Journal of Experimental Psychology: Animal Behavior Processes*, 33, 191–212.
- Miller, N. Y., & Shettleworth, S. J. (2008). An associative model of geometry learning: A modified choice rule. *Journal of Experimental Psychology—Animal Behavior Processes*, 34(3), 419–422.
- Miller, R. R., Barnet, R. C., & Grahame, N. J. (1995). Assessment of the Rescorla-Wagner model. *Psychological Bulletin*, 117(3), 363–386.
- Milligan, G. W., & Cooper, M. C. (1985). An examination of procedures for determining the number of clusters in a data set. *Psychometrika*, 50, 159–179.
- Milner, P. M. (1957). The cell assembly: Mark II. *Psychological Review*, 64(4), 242–252.
- Minsky, M. L. (1963). Steps toward artificial intelligence. In E. A. Feigenbaum & J. Feldman (Eds.), *Computers And Thought* (pp. 406–450). New York, NY: McGraw-Hill.
- Minsky, M. L. (1972). *Computation: Finite and infinite machines*. Englewood Cliffs, NJ: Prentice Hall.
- Minsky, M. L. (1981). Music, mind and meaning. *Computer Music Journal*, 5(3), 28–44.
- Minsky, M. L. (1985). *The society of mind*. New York, NY: Simon & Schuster.
- Minsky, M. L. (2006). *The emotion machine: Commonsense thinking, artificial intelligence, and the future of the human mind*. New York, NY: Simon & Schuster.
- Minsky, M. L., & Papert, S. (1969). *Perceptrons: An introduction to computational geometry* (1st ed.). Cambridge, MA: MIT Press.
- Minsky, M. L., & Papert, S. (1988). *Perceptrons: An introduction to computational geometry* (3rd ed.). Cambridge, MA: MIT Press.
- Mitchell, M. (1996). *An introduction to genetic algorithms*. Cambridge, MA: MIT Press.
- Mollenhoff, C. R. (1988). *Atanasoff: Forgotten father of the computer* (1st ed.). Ames, IA: Iowa State University Press.

- Monelle, R. (2000). *The sense of music: Semiotic essays*. Princeton, NJ: Princeton University Press.
- Monterola, C., Abundo, C., Tugaff, J., & Venturina, L. E. (2009). Prediction of potential hit song and musical genre using artificial neural networks. *International Journal of Modern Physics C*, 20(11), 1697–1718.
- Moody, J., & Darken, C. J. (1989). Fast learning in networks of locally-tuned processing units. *Neural Computation*, 1, 281–294.
- Moorhead, I. R., Haig, N. D., & Clement, R. A. (1989). An investigation of trained neural networks from a neurophysiological perspective. *Perception*, 18, 793–803.
- Moravec, H. (1988). *Mind children*. Cambridge, MA: Harvard University Press.
- Moravec, H. (1999). *Robot*. New York, NY: Oxford University Press.
- Mori, M. (1970). Bukimi no tani [The uncanny valley]. *Energy*, 7, 33–35.
- Morris, E. (Producer), & Morris, E. (Director). (1997). *Fast, cheap & out of control*. [Motion picture]. U.S.A.: Sony Pictures Classics.
- Mostafa, M. M., & Billor, N. (2009). Recognition of Western style musical genres using machine learning techniques. *Expert Systems with Applications*, 36(8), 11378–11389.
- Motter, B. C., & Mountcastle, V. B. (1981). The functional properties of the light-sensitive neurons of the posterior parietal cortex studied in waking monkeys: Foveal sparing and opponent vector organization. *The Journal of Neuroscience*, 1, 3–26.
- Moyer, A. E. (1997). *Joseph Henry: The rise of an American scientist*. Washington, D.C.: Smithsonian Institution Press.
- Mozer, M. C. (1991). Connectionist music composition based on melodic, stylistic, and psychophysical constraints. In P. M. Todd & D. G. Loy (Eds.), *Music and connectionism* (pp. 195–211). Cambridge, MA: MIT Press.
- Mozer, M. C. (1994). Neural network music composition by prediction: Exploring the benefits of psychoacoustic constraints and multi-scale processing. *Connection Science*, 6, 247–280.
- Mozer, M. C., & Smolensky, P. (1989). Using relevance to reduce network size automatically. *Connection Science*, 1, 3–16.
- Muller, B., & Reinhardt, J. (1990). *Neural networks*. Berlin, Germany: Springer-Verlag.
- Muñoz-Expósito, J. E., García-Galán, S., Ruiz-Reyes, N., & Vera-Candeas, P. (2007). Adaptive network-based fuzzy inference system vs. other classification algorithms for warped LPC-based speech/music discrimination. *Engineering Applications of Artificial Intelligence*, 20(6), 783–793.
- Murdock, B. B. (1982). A theory for the storage and retrieval of item and associative information. *Psychological Review*, 89, 609–626.
- Nagashima, T., & Kawashima, J. (1997). Experimental study on arranging music by chaotic neural network. *International Journal of Intelligent Systems*, 12(4), 323–339.
- Nathan, A., & Barbosa, V. C. (2008). V-like formations in flocks of artificial birds. *Artificial Life*, 14(2), 179–188.
- Navon, D. (1976). Irrelevance of figural identity for resolving ambiguities in apparent motion. *Journal of Experimental Psychology: Human Perception and Performance*, 2, 130–138.
- Neisser, U. (1967). *Cognitive psychology*. New York, NY: Appleton-Century-Crofts.

- Neisser, U. (1976). *Cognition and reality: Principles and implications of cognitive psychology*. San Francisco, CA: W. H. Freeman.
- Newkom, H. (2006). The second life of ENIAC. *IEEE Annals of the History of Computing*, 28(2), 4–16.
- Newell, A. (1973). Production systems: Models of control structures. In W. G. Chase (Ed.), *Visual information processing* (pp. 463–526). New York, NY: Academic Press.
- Newell, A. (1980). Physical symbol systems. *Cognitive Science*, 4, 135–183.
- Newell, A. (1982). The knowledge level. *Artificial Intelligence*, 18(1), 87–127.
- Newell, A. (1990). *Unified theories of cognition*. Cambridge, MA: Harvard University Press.
- Newell, A. (1993). Reflections on the knowledge level. *Artificial Intelligence*, 59(1–2), 31–38.
- Newell, A., Shaw, J. C., & Simon, H. A. (1958). Elements of a theory of human problem solving. *Psychological Review*, 65, 151–166.
- Newell, A., & Simon, H. A. (1961). Computer simulation of human thinking. *Science*, 134(349), 2011–2017.
- Newell, A., & Simon, H. A. (1972). *Human problem solving*. Englewood Cliffs, NJ: Prentice Hall.
- Newell, A., & Simon, H. A. (1976). Computer science as empirical inquiry: Symbols and search. *Communications of the ACM*, 19(3), 113–126.
- Newport, E. L., Gleitman, H., & Gleitman, L. R. (1977). Mother, I'd rather do it myself: Some effects and noneffects of maternal speech style. In C. Snow & C. Ferguson (Eds.), *Talking to children: Language input and acquisition*. Cambridge, MA: Cambridge University Press.
- Nilsson, N. J. (1980). *Principles of artificial intelligence*. Los Altos, CA: Morgan Kaufman.
- Nilsson, N. J. (1984). *Shakey the robot*. Menlo Park, CA: Stanford Research Institute.
- Niv, Y., Joel, D., Meilijson, I., & Ruppim, E. (2002). Evolution of reinforcement learning in uncertain environments: A simple explanation for complex foraging behaviors. *Adaptive Behavior*, 10(1), 5–24.
- Noë, A. (2002). Is the visual world a grand illusion? *Journal of Consciousness Studies*, 9(5–6), 1–12.
- Noë, A. (2004). *Action in perception*. Cambridge, MA: MIT Press.
- Noë, A. (2009). *Out of our heads* (1st ed.). New York, NY: Hill and Wang.
- Nolfi, S. (2002). Power and limits of reactive agents. *Neurocomputing*, 42, 119–145.
- Nolfi, S., & Floreano, D. (2000). *Evolutionary robotics*. Cambridge, MA: MIT Press.
- Norman, D. A. (1980). Twelve issues for cognitive science. *Cognitive Science*, 4, 1–32.
- Norman, D. A. (1993). Cognition in the head and in the world: An introduction to the special issue on situated action. *Cognitive Science*, 17(1), 1–6.
- Norman, D. A. (1998). *The invisible computer*. Cambridge, MA: MIT Press.
- Norman, D. A. (2002). *The design of everyday things* (1st Basic paperback ed.). New York, NY: Basic Books.
- Norman, D. A. (2004). *Emotional design: Why we love (or hate) everyday things*. New York, NY: Basic Books.
- Nyman, M. (1999). *Experimental music: Cage and beyond* (2nd ed.). Cambridge, UK; New York, NY: Cambridge University Press.

- Oaksford, M., & Chater, N. (1991). Against logicist cognitive science. *Mind & Language*, 6, 1–38.
- Oaksford, M., & Chater, N. (1998). *Rationality in an uncertain world: Essays on the cognitive science of human reasoning*. Hove, East Sussex, UK: Psychology Press.
- Oaksford, M., & Chater, N. (2001). The probabilistic approach to human reasoning. *Trends in Cognitive Sciences*, 5(8), 349–357.
- Oaksford, M., Chater, N., & Stenning, K. (1990). Connectionism, classical cognitive science and experimental psychology. *AI & Society*, 4(1), 73–90.
- Ochsner, K. N., & Lieberman, M. D. (2001). The emergence of social cognitive neuroscience. *American Psychologist*, 56(9), 717–734.
- Ohkuma, Y. (1986). A comparison of image-induced and perceived Müller-Lyer illusion. *Journal of Mental Imagery*, 10, 31–38.
- Ohta, H., Yamakita, M., & Furuta, K. (2001). From passive to active dynamic walking. *International Journal of Robust and Nonlinear Control*, 11(3), 287–303.
- Okamoto, A., Tanaka, K., & Saito, I. (2004). DNA logic gates. *Journal of the American Chemical Society*, 126(30), 9458–9463.
- O’Keefe, J., & Dostrovsky, J. (1971). The hippocampus as a spatial map: Preliminary evidence from unit activity in the freely moving rat. *Brain Research*, 34, 171–175.
- O’Keefe, J., & Nadel, L. (1978). *The hippocampus as a cognitive map*. Oxford, UK: Clarendon Press.
- Olazaran, M. (1996). A sociological study of the official history of the perceptrons controversy. *Social Studies of Science*, 26(3), 611–659.
- Omlin, C. W., & Giles, C. L. (1996). Extraction of rules from discrete-time recurrent neural networks. *Neural Networks*, 9, 41–52.
- O’Modhrain, S. (2011). A framework for the evaluation of digital musical instruments. *Computer Music Journal*, 35(1), 28–42.
- O’Regan, J. K., Deubel, H., Clark, J. J., & Rensink, R. A. (2000). Picture changes during blinks: Looking without seeing and seeing without looking. *Visual Cognition*, 7(1–3), 191–211.
- O’Reilly, R. C. (1996). Biologically plausible error-driven learning using local activation differences: The generalized recirculation algorithm. *Neural Computation*, 8(5), 895–938.
- O’Reilly, R. C., & Munakata, Y. (2000). *Computational explorations in cognitive neuroscience: Understanding the mind by simulating the brain*. Cambridge, MA: MIT Press.
- Oreskes, N., Shrader-Frechette, K., & Belitz, K. (1994). Verification, validation, and confirmation of numerical models in the earth sciences. *Science*, 263, 641–646.
- Osherson, D. N. (1995). *An invitation to cognitive science* (2nd ed.). Cambridge, MA: MIT Press (3 volume set).
- Osherson, D. N., Stob, M., & Weinstein, S. (1986). *Systems that learn*. Cambridge, MA: MIT Press.
- Page, M. P. A. (1994). Modeling the perception of musical sequences with self-organizing neural networks. *Connection Science*, 6, 223–246.
- Paivio, A. (1969). Mental imagery in associative learning and memory. *Psychological Review*, 76, 241–263.
- Paivio, A. (1971). *Imagery and verbal processes*. New York, NY: Holt, Rinehart & Winston.
- Paivio, A. (1986). *Mental representations: A dual-coding approach*. New York, NY: Oxford University Press.

- Pampalk, E., Dixon, S., & Widmer, G. (2004). Exploring music collections by browsing different views. *Computer Music Journal*, 28(2), 49–62.
- Pao, Y.-H. (1989). *Adaptive pattern recognition and neural networks*. Reading, MA: Addison-Wesley.
- Papert, S. (1980). *Mindstorms: Children, computers and powerful ideas*. New York, NY: Basic Books.
- Papert, S. (1988). One AI or many? *Daedalus*, 117(1), 1–14.
- Paradiso, J. A. (1999). The brain opera technology: New instruments and gestural sensors for musical interaction and performance. *Journal of New Music Research*, 28(2), 130–149.
- Parker, C. A. C., Zhang, H., & Kube, C. R. (2003). Blind bulldozing: Multiple robot nest construction. Paper presented at the Conference on Intelligent Robots and Systems, Las Vegas, NV.
- Parker, L. E. (1998). ALLIANCE: An architecture for fault tolerant multirobot cooperation. *IEEE Transactions on Robotics and Automation*, 14(2), 220–240.
- Parker, L. E. (2001). Evaluating success in autonomous multi-robot teams: Experiences from ALLIANCE architecture implementations. *Journal of Experimental & Theoretical Artificial Intelligence*, 13(2), 95–98.
- Parkes, A. (2002). Introduction to languages, machines and logic: Computable languages, abstract machines and formal logic. London, UK: Springer.
- Parncutt, R., Sloboda, J. A., Clarke, E. F., Raekallio, M., & Desain, P. (1997). An ergonomic model of keyboard fingering for melodic fragments. *Music Perception*, 14(4), 341–382.
- Patel, A. D. (2003). Language, music, syntax and the brain. *Nature Neuroscience*, 6(7), 674–681.
- Pavlov, I. P. (1927). *Conditioned reflexes*. (G.V. Anrep, Trans.). New York, NY: Oxford University Press.
- Peano, G. (1973). *Selected works of Giuseppe Peano*. (H.C. Kennedy, Trans.). Toronto, ON: University of Toronto Press. (Original work published 1889)
- Peirce, C. S. (1885). On the algebra of logic: A contribution to the philosophy of notation *American Journal of Mathematics*, 7(2), 180–196.
- Pekkilä, E., Neumeyer, D., & Littlefield, R. (2006). *Music, meaning and media*. Imatra and Helsinki, Finland: International Semiotics Institute, Semiotic Society of Finland, University of Helsinki.
- Pelaez, E. (1999). The stored-program computer: Two conceptions. *Social Studies of Science*, 29(3), 359–389.
- Pelisson, D., Prablanc, C., Goodale, M. A., & Jeannerod, M. (1986). Visual control of reaching movements without vision of the limb, II: Evidence of fast unconscious processes correcting the trajectory of the hand to the final position of a double-step stimulus. *Experimental Brain Research*, 62(2), 303–311.
- Peretz, I. (2009). Music, language and modularity framed in action. *Psychologica Belgica*, 49(2–3), 157–175.
- Peretz, I., Ayotte, J., Zatorre, R. J., Mehler, J., Ahad, P., Penhune, V. B. (2002). Congenital amusia: A disorder of fine-grained pitch discrimination. *Neuron*, 33(2), 185–191.
- Peretz, I., & Coltheart, M. (2003). Modularity of music processing. *Nature Neuroscience*, 6(7), 688–691.
- Peretz, I., Cummings, S., & Dube, M. P. (2007). The genetics of congenital amusia (tone deafness): A family-aggregation study. *American Journal of Human Genetics*, 81(3), 582–588.
- Peretz, I., & Hyde, K. L. (2003). What is specific to music processing? Insights from congenital amusia. *Trends in Cognitive Sciences*, 7(8), 362–367.



- Peretz, I., Kolinsky, R., Tramo, M., Labrecque, R., Hublet, C., Demeurisse, G. (1994). Functional dissociations following bilateral lesions of auditory cortex. *Brain*, *117*, 1283–1301.
- Peretz, I., & Zatorre, R. J. (2003). *The cognitive neuroscience of music*. Oxford, UK; New York, NY: Oxford University Press.
- Peretz, I., & Zatorre, R. J. (2005). Brain organization for music processing. *Annual Review of Psychology*, *56*, 1–26.
- Perner, J., Gschaidner, A., Kuhberger, A., & Schrofner, S. (1999). Predicting others through simulation or by theory? A method to decide. *Mind & Language*, *14*(1), 57–79.
- Perrett, D. I., Mistlin, A. J., & Chitty, A. J. (1987). Visual neurons responsive to faces. *Trends in Neurosciences*, *10*(9), 358–364.
- Perrett, D. I., Rolls, E. T., & Caan, W. (1982). Visual neurones responsive to faces in the monkey temporal cortex. *Experimental Brain Research*, *47*(3), 329–342.
- Peters, S. (1972). The projection problem: How is a grammar to be selected? In S. Peters (Ed.), *Goals of linguistic theory* (pp. 171–188). Englewood Cliffs, NJ: Prentice Hall.
- Peterson, C. R., & Beach, L. R. (1967). Man as an intuitive statistician. *Psychological Bulletin*, *68*(1), 29–46.
- Pfeifer, R., & Scheier, C. (1999). *Understanding intelligence*. Cambridge, MA: MIT Press.
- Phattanasri, P., Chiel, H. J., & Beer, R. D. (2007). The dynamics of associative learning in evolved model circuits. *Adaptive Behavior*, *15*(4), 377–396.
- Piaget, J. (1929). *The child's conception of the world*. (J. Tomlinson & A. Tomlinson, Trans.). London, UK: K. Paul, Trench, Trubner & Co.
- Piaget, J. (1970a). *The child's conception of movement and speed*. (G.E.T. Holloway & M.J. MacKenzie, Trans.). London, UK: Routledge & K. Paul.
- Piaget, J. (1970b). *Psychology and epistemology*. (A. Rosin, Trans.). Harmondsworth, UK: Penguin Books.
- Piaget, J. (1972). *The child and reality*. (A. Rosin, Trans.). Harmondsworth, UK: Penguin Books.
- Piaget, J., & Inhelder, B. (1969). *The psychology of the child*. (H. Weaver, Trans.). London, UK: Routledge & Kegan Paul.
- Pierce, J. R. (1993). Looking back: Claude Elwood Shannon. *IEEE Potentials*, *12*(4), 38–40.
- Pike, R. (1984). Comparison of convolution and matrix distributed memory systems for associative recall and recognition. *Psychological Review*, *91*, 281–294.
- Pinker, S. (1979). Formal models of language learning. *Cognition*, *7*, 217–283.
- Pinker, S. (1985). *Visual cognition* (1st MIT Press ed.). Cambridge, MA: MIT Press.
- Pinker, S. (1994). *The language instinct*. New York, NY: Morrow.
- Pinker, S. (1997). *How the mind works*. New York, NY: W.W. Norton.
- Pinker, S. (1999). *Words and rules: The ingredients of language* (1st ed.). New York, NY: Basic Books.
- Pinker, S. (2002). *The blank slate*. New York, NY: Viking.
- Pinker, S., & Prince, A. (1988). On language and connectionism: Analysis of a parallel distributed processing model of language acquisition. *Cognition*, *28*, 73–193.

- Plantinga, L. (1984). *Romantic music: A history of musical style in nineteenth-century Europe* (1st ed.). New York, NY: W.W. Norton.
- Pleasants, H. (1955). *The agony of modern music*. New York: Simon and Schuster.
- Poggio, T., & Girosi, F. (1990). Regularization algorithms for learning that are equivalent to multilayer networks. *Science*, *247*, 978–982.
- Poggio, T., Torre, V., & Koch, C. (1985). Computational vision and regularization theory. *Nature*, *317*, 314–319.
- Polanyi, M. (1966). *The tacit dimension* (1st ed.). Garden City, NY: Doubleday.
- Poldrack, R. A., Clark, J., Pare-Blagoev, E. J., Shohamy, D., Moyano, J. C., Myers, C. (2001). Interactive memory systems in the human brain. *Nature*, *414*(6863), 546–550.
- Pomerleau, D. A. (1991). Efficient training of artificial neural networks for autonomous navigation. *Neural Computation*, *3*, 88–97.
- Popper, K. (1978). Natural selection and the emergence of mind. *Dialectica*, *32*, 339–355.
- Port, R. F., & van Gelder, T. (1995a). It's about time: An overview of the dynamical approach to cognition. In R. F. Port & T. van Gelder (Eds.), *Mind as motion: Explorations in the dynamics of cognition* (pp. 1–43). Cambridge, MA: MIT Press.
- Port, R. F., & van Gelder, T. (1995b). *Mind as motion: Explorations in the dynamics of cognition*. Cambridge, MA: MIT Press.
- Posner, M. (1978). *Chronometric explorations of mind*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Posner, M. (1991). *Foundations of cognitive science*. Cambridge, MA: MIT Press.
- Post, E. L. (1921). Introduction to a general theory of elementary propositions. *American Journal of Mathematics*, *43*, 163–185.
- Post, E. L. (1936). Finite combinatory processes: Formulation I. *Journal of Symbolic Logic*, *1*, 103–105.
- Postman, L., & Phillips, L. W. (1965). Short-term temporal changes in free recall. *Quarterly Journal of Experimental Psychology*, *17*, 132–138.
- Potter, K. (2000). *Four musical minimalists: La Monte Young, Terry Riley, Steve Reich, Philip Glass*. Cambridge, UK; New York, NY: Cambridge University Press.
- Pring, L., Woolf, K., & Tadic, V. (2008). Melody and pitch processing in five musical savants with congenital blindness. *Perception*, *37*(2), 290–307.
- Punnen, A. P. (2002). The traveling salesman problem: Applications, formulations, and variations. In G. Gutin & A. P. Punnen (Eds.), *The traveling salesman problem and its variations* (pp. 1–28). Dordrecht, Netherlands; Boston, MA: Kluwer Academic Publishers.
- Purwins, H., Herrera, P., Grachten, M., Hazan, A., Marxer, R., & Serra, X. (2008). Computational models of music perception and cognition I: The perceptual and cognitive processing chain. *Physics of Life Reviews*, *5*(3), 151–168.
- Pylyshyn, Z. W. (1973). What the mind's eye tells the mind's brain: A critique of mental imagery. *Psychological Bulletin*, *80*, 1–24.
- Pylyshyn, Z. W. (1979a). Metaphorical imprecision and the “top-down” research strategy. In A. Ortony (Ed.), *Metaphor and thought* (pp. 420–436). Cambridge, UK: Cambridge University Press.
- Pylyshyn, Z. W. (1979b). Rate of mental rotation of images: Test of a holistic analog process. *Memory & Cognition*, *7*(1), 19–28.

- Pylyshyn, Z. W. (1980). Computation and cognition: Issues in the foundations of cognitive science. *Behavioral and Brain Sciences*, 3(1), 111-132.
- Pylyshyn, Z. W. (1981a). The imagery debate: Analogue media versus tacit knowledge. *Psychological Review*, 88(1), 16-45.
- Pylyshyn, Z. W. (1981b). Psychological explanations and knowledge-dependent processes. *Cognition*, 10(1-3), 267-274.
- Pylyshyn, Z. W. (1984). *Computation and cognition*. Cambridge, MA: MIT Press.
- Pylyshyn, Z. W. (1987). *The robot's dilemma: The frame problem in artificial intelligence*. Norwood, NJ: Ablex.
- Pylyshyn, Z. W. (1989). The role of location indexes in spatial perception: A sketch of the FINST spatial-index model. *Cognition*, 32, 65-97.
- Pylyshyn, Z. W. (1991). The role of cognitive architectures in theories of cognition. In K. VanLehn (Ed.), *Architectures for intelligence* (pp. 189-223). Hillsdale, NJ: Lawrence Erlbaum Associates.
- Pylyshyn, Z. W. (1994). Some primitive mechanisms of spatial attention. *Cognition*, 50(1-3), 363-384.
- Pylyshyn, Z. W. (1999). Is vision continuous with cognition?: The case for cognitive impenetrability of visual perception. *Behavioral and Brain Sciences*, 22(3), 341-423.
- Pylyshyn, Z. W. (2000). Situating vision in the world. *Trends in Cognitive Sciences*, 4(5), 197-207.
- Pylyshyn, Z. W. (2001). Visual indexes, preconceptual objects, and situated vision. *Cognition*, 80(1-2), 127-158.
- Pylyshyn, Z. W. (2003a). Explaining mental imagery: Now you see it, now you don't: Reply to Kosslyn et al. *Trends in Cognitive Sciences*, 7(3), 111-112.
- Pylyshyn, Z. W. (2003b). Return of the mental image: Are there really pictures in the brain? *Trends in Cognitive Sciences*, 7(3), 113-118.
- Pylyshyn, Z. W. (2003c). *Seeing and visualizing: It's not what you think*. Cambridge, MA: MIT Press.
- Pylyshyn, Z. W. (2006). Some puzzling findings in multiple object tracking (MOT), II. Inhibition of moving nontargets. *Visual Cognition*, 14(2), 175-198.
- Pylyshyn, Z. W. (2007). *Things and places: How the mind connects with the world*. Cambridge, MA: MIT Press.
- Pylyshyn, Z. W., & Annan, V. (2006). Dynamics of target selection in multiple object tracking (MOT). *Spatial Vision*, 19(6), 485-504.
- Pylyshyn, Z. W., & Cohen, J. (1999). Imagined extrapolation of uniform motion is not continuous. *Investigative Ophthalmology & Visual Science*, 40(4), S808.
- Pylyshyn, Z. W., Haladjian, H. H., King, C. E., & Reilly, J. E. (2008). Selective nontarget inhibition in multiple object tracking. *Visual Cognition*, 16(8), 1011-1021.
- Pylyshyn, Z. W., & Storm, R. (1988). Tracking of multiple independent targets: Evidence for a parallel tracking mechanism. *Spatial Vision*, 3, 1-19.
- Quinlan, J. R. (1986). Induction of decision trees. *Machine Learning*, 1, 81-106.
- Quinlan, P. (1991). *Connectionism and psychology*. Chicago, IL: University of Chicago Press.
- Radford, A. (1981). *Transformational syntax: A student's guide to Chomsky's extended standard theory*. Cambridge, UK; New York, NY: Cambridge University Press.

- Raftopoulos, A. (2001). Is perception informationally encapsulated? The issue of the theory-ladenness of perception. *Cognitive Science*, 25(3), 423–451.
- Ramachandran, V. S., & Anstis, S. M. (1986). The perception of apparent motion. *Scientific American*, 254, 102–109.
- Ramsey, W., Stich, S. P., & Rumelhart, D. E. (1991). *Philosophy and connectionist theory*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Ransom-Hogg, A., & Spillmann, R. (1980). Perceptive field size in fovea and periphery of the light- and dark-adapted retina. *Vision Research*, 20, 221–228.
- Rasamimanana, N., & Bevilacqua, F. (2008). Effort-based analysis of bowing movements: Evidence of anticipation effects. *Journal of New Music Research*, 37(4), 339–351.
- Ratcliffe, M. (2007). *Rethinking commonsense psychology: A critique of folk psychology, theory of mind and simulation*. Basingstoke, UK; New York, NY: Palgrave Macmillan.
- Ratner, L. G. (1992). *Romantic music: Sound and syntax*. New York, NY: Schirmer Books.
- Rauschecker, J. P., & Scott, S. K. (2009). Maps and streams in the auditory cortex: nonhuman primates illuminate human speech processing. *Nature Neuroscience*, 12(6), 718–724.
- Reddy, M. J. (1979). The conduit metaphor: A case of frame conflict in our language about language. In A. Ortony (Ed.), *Metaphor and thought* (pp. 284–324). Cambridge, UK: Cambridge University Press.
- Redish, A. D. (1999). *Beyond the cognitive map*. Cambridge, MA: MIT Press.
- Redish, A. D., & Touretzky, D. S. (1999). Separating hippocampal maps. In B. N., K. J. Jeffery & J. O’Keefe (Eds.), *The hippocampal and parietal foundations of spatial cognition* (pp. 203–219). Oxford, UK: Oxford University Press.
- Reeve, R. E., & Webb, B. H. (2003). New neural circuits for robot phonotaxis. *Philosophical Transactions of the Royal Society of London Series A—Mathematical Physical and Engineering Sciences*, 361(1811), 2245–2266.
- Reich, S. (1974). *Writings about music*. Halifax, NS: Press of the Nova Scotia College of Art and Design.
- Reich, S. (2002). *Writings on music, 1965–2000*. Oxford, UK; New York, NY: Oxford University Press.
- Reid, T. R. (2001). *The chip: How two Americans invented the microchip and launched a revolution* (Rev. ed.). New York, NY: Random House.
- Reitwiesner, G. W. (1997). The first operating system for the EDVAC. *IEEE Annals of the History of Computing*, 19(1), 55–59.
- Renals, S. (1989). Radial basis function network for speech pattern classification. *Electronics Letters*, 25, 437–439.
- Rescorla, R. A. (1967). Pavlovian conditioning and its proper control procedures. *Psychological Review*, 74(1), 71–80.
- Rescorla, R. A. (1968). Probability of shock in presence and absence of CS in fear conditioning. *Journal of Comparative and Physiological Psychology*, 66(1), 1–5.
- Rescorla, R. A., & Wagner, A. R. (1972). A theory of Pavlovian conditioning: Variations in the effectiveness of reinforcement and nonreinforcement. In A. H. Black & W. F. Prokasy (Eds.), *Classical conditioning II: Current research and theory* (pp. 64–99). New York, NY: Appleton-Century-Crofts.

- Révész, G. E. (1983). *Introduction to formal languages*. New York, NY: McGraw-Hill.
- Reynolds, A. G., & Flagg, P. W. (1977). *Cognitive psychology*. Cambridge, MA: Winthrop Publishers.
- Reynolds, C. W. (1987). Flocks, herds and schools: A distributed behavioral model. *Computer Graphics*, 21(4), 25–34.
- Richards, W. (1988). *Natural computation*. Cambridge, MA: MIT Press.
- Richardson, F. C. (2000). Overcoming fragmentation in psychology: A hermeneutic approach. *Journal of Mind and Behavior*, 21(3), 289–304.
- Riedel, J. (1969). *Music of the Romantic period*. Dubuque, Iowa: W. C. Brown Co.
- Rieser, J. J. (1989). Access to knowledge of spatial structure at novel points of observation. *Journal of Experimental Psychology: Learning Memory and Cognition*, 15(6), 1157–1165.
- Ripley, B. D. (1996). *Pattern recognition and neural networks*. Cambridge, UK: Cambridge University Press.
- Rips, L., Shoben, E. J., & Smith, E. E. (1973). Semantic distance and verification of semantic relations. *Journal of Verbal Learning and Verbal Behavior*, 12, 1–20.
- Rizzolatti, G., & Craighero, L. (2004). The mirror-neuron system. *Annual Review of Neuroscience*, 27, 169–192.
- Rizzolatti, G., Fogassi, L., & Gallese, V. (2006). Mirrors in the mind. *Scientific American*, 295(5), 54–61.
- Robbins, P., & Aydede, M. (2009). *The Cambridge handbook of situated cognition*. Cambridge, UK; New York, NY: Cambridge University Press.
- Robinson, D. L., Goldberg, M. E., & Stanton, G. B. (1978). Parietal association cortex in the primate: Sensory mechanisms and behavioural modulations. *Journal of Neurophysiology*, 41, 910–932.
- Robinson, J. (1994). The expression and arousal of emotion in music. In P. Alpers (Ed.), *Musical worlds: New directions in the philosophy of music* (pp. 13–22). University Park, PA: Pennsylvania State University Press.
- Robinson, J. (1997). *Music and meaning*. Ithaca, NY: Cornell University Press.
- Robinson-Riegler, B., & Robinson-Riegler, G. (2003). *Readings in cognitive psychology: Applications, connections, and individual differences*. Boston, MA: Pearson Allyn & Bacon.
- Rochester, N., Holland, J. H., Haitb, L. H., & Duda, W. L. (1956). Tests on a cell assembly theory of the action of the brain, using a large digital computer. *IRE Transactions on Information Theory*, IT-2, 80–93.
- Rock, I. (1983). *The logic of perception*. Cambridge, MA: MIT Press.
- Rohaly, A. M., & Buchsbaum, B. (1989). Global spatiochromatic mechanisms accounting for luminance variations in contrast sensitivity functions. *Journal of the Optical Society of America A*, 6, 312–317.
- Rojas, R. (1996). *Neural networks: A systematic exploration*. Berlin, Germany: Springer.
- Romney, A. K., Shepard, R. N., & Nerlove, S. B. (1972). *Multidimensional scaling: Theory and applications in the behavioral sciences, Volume II: Applications*. New York, NY: Seminar Press.
- Rosen, C. (1988). *Sonata forms* (Rev. ed.). New York, NY: Norton.
- Rosen, C. (1995). *The Romantic generation*. Cambridge, MA: Harvard University Press.
- Rosen, C. (2002). *Piano notes: The world of the pianist*. New York, NY: Free Press.

- Rosenblatt, F. (1958). The perceptron: A probabilistic model for information storage and organization in the brain. *Psychological Review*, 65(6), 386–408.
- Rosenblatt, F. (1962). *Principles of neurodynamics*. Washington, D.C.: Spartan Books.
- Rosenfeld, A., Hummel, R. A., & Zucker, S. W. (1976). Scene labeling by relaxation operations. *IEEE Transactions on Systems Man and Cybernetics*, 6(6), 420–433.
- Rosner, B. S., & Narmour, E. (1992). Harmonic closure: Music theory and perception. *Music Perception*, 9(4), 383–411.
- Ross, A. (2007). *The rest is noise: Listening to the twentieth century* (1st ed.). New York, NY: Farrar, Straus and Giroux.
- Rowe, R. (2001). *Machine musicianship*. Cambridge, MA: MIT Press.
- Roy, A. (2008). Connectionism, controllers, and a brain theory. *IEEE Transactions on Systems Man and Cybernetics Part A—Systems and Humans*, 38(6), 1434–1441.
- Rubel, L. A. (1989). Digital simulation of analog computation and Church's thesis. *Journal of Symbolic Logic*, 54(3), 1011–1017.
- Rubinstein, A. (1998). *Modeling bounded rationality*. Cambridge, MA: MIT Press.
- Rumelhart, D. E., Hinton, G. E., & Williams, R. J. (1986a). Learning internal representations by error propagation. In D. E. Rumelhart & G. E. Hinton (Eds.), *Parallel distributed processing: Vol. 1. Foundations* (pp. 318–362). Cambridge, MA: MIT Press.
- Rumelhart, D. E., Hinton, G. E., & Williams, R. J. (1986b). Learning representations by back-propagating errors. *Nature*, 323, 533–536.
- Rumelhart, D. E., & McClelland, J. L. (1985). Levels indeed!: A response to Broadbent. *Journal of Experimental Psychology: General*, 114, 193–197.
- Rumelhart, D. E., & McClelland, J. L. (1986a). On learning the past tenses of English verbs. In J. McClelland & D. E. Rumelhart (Eds.), *Parallel distributed processing: Vol. 2. Psychological and Biological Models* (pp. 216–271). Cambridge, MA: MIT Press.
- Rumelhart, D. E., & McClelland, J. L. (1986b). PDP models and general issues in cognitive science. In D. E. Rumelhart & J. McClelland (Eds.), *Parallel distributed processing: Vol. 1. Foundations* (pp. 110–146). Cambridge, MA: MIT Press.
- Rumelhart, D. E., & McClelland, J. L. (1986c). *Parallel distributed processing: Vol. 1. Foundations*. Cambridge, MA: MIT Press.
- Rupert, R. D. (2009). *Cognitive systems and the extended mind*. Oxford, UK; New York, NY: Oxford University Press.
- Russell, B. (1993). *Introduction to mathematical philosophy*. New York, NY: Dover Publications. (Original work published 1920)
- Ryle, G. (1949). *The concept of mind*. London, UK: Hutchinson & Company.
- Safa, A. T., Saadat, M. G., & Naraghi, M. (2007). Passive dynamic of the simplest walking model: Replacing ramps with stairs. *Mechanism and Machine Theory*, 42(10), 1314–1325.
- Sahin, E., Cakmak, M., Dogar, M. R., Ugur, E., & Ucoluk, G. (2007). To afford or not to afford: A new formalization of affordances toward affordance-based robot control. *Adaptive Behavior*, 15(4), 447–472.
- Sakata, H., Shibutani, H., Kawano, K., & Harrington, T. L. (1985). Neural mechanisms of space vision in the parietal association cortex of the monkey. *Vision Research*, 25, 453–463.

- Samuels, R. (1998). Evolutionary psychology and the massive modularity hypothesis. *British Journal for the Philosophy of Science*, 49(4), 575–602.
- Sandon, P. A. (1992). Simulating visual attention. *Journal of Cognitive Neuroscience*, 2, 213–231.
- Sano, H., & Jenkins, B. K. (1989). A neural network model for pitch perception. *Computer Music Journal*, 13(3), 41–48.
- Sapir, S. (2002). Gestural control of digital audio environments. *Journal of New Music Research*, 31(2), 119–129.
- Sawyer, R. K. (2002). Emergence in psychology: Lessons from the history of non-reductionist science. *Human Development*, 45, 2–28.
- Saxe, J. G. (1868). *The poems of John Godfrey Saxe*. Boston, MA: Ticknor and Fields.
- Sayegh, S. I. (1989). Fingering for string instruments with the optimum path paradigm. *Computer Music Journal*, 13(3), 76–84.
- Scarborough, D. L., Miller, B. O., & Jones, J. A. (1989). Connectionist models for tonal analysis. *Computer Music Journal*, 13(3), 49–55.
- Scassellati, B. (2002). Theory of mind for a humanoid robot. *Autonomous Robots*, 12(1), 13–24.
- Schenker, H. (1979). *Free composition* (E. Oster). New York, NY: Longman. (Original work published 1935)
- Schlimmer, J. S. (1987). Concept acquisition through representational adjustment. Unpublished doctoral dissertation, University of California Irvine, Irvine, CA.
- Schlinger, H. D. (2008). Long good-bye: Why B.F. Skinner's *Verbal Behavior* is alive and well on the 50th anniversary of its publication. *Psychological Record*, 58(3), 329–337.
- Schmajuk, N. A. (1997). *Animal learning and cognition: A neural network approach*. Cambridge, UK; New York, NY: Cambridge University Press.
- Schneider, W. (1987). Connectionism: Is it a paradigm shift for psychology? *Behavior Research Methods, Instruments, & Computers*, 19, 73–83.
- Scholes, S., Wilson, M., Sendova-Franks, A. B., & Melhuish, C. (2004). Comparisons in evolution and engineering: The collective intelligence of sorting. *Adaptive Behavior*, 12(3–4), 147–159.
- Scholl, B. J., Pylyshyn, Z. W., & Feldman, J. (2001). What is a visual object?: Evidence from target merging in multiple object tracking. *Cognition*, 80(1–2), 159–177.
- Schultz, A. C., & Parker, L. E. (2002). *Multi-robot systems: From swarms to intelligent automata*. Dordrecht, Netherlands; Boston, UK: Kluwer Academic.
- Schultz, D. P., & Schultz, S. E. (2008). *A history of modern psychology* (9th ed.). Belmont, CA: Thomson/Wadsworth.
- Schuppert, M., Munte, T. F., Wieringa, B. M., & Altenmuller, E. (2000). Receptive amusia: Evidence for cross-hemispheric neural networks underlying music processing strategies. *Brain*, 123, 546–559.
- Schwarz, K. R. (1996). *Minimalists*. London, UK: Phaidon.
- Scoville, W. B., & Milner, B. (1957). Loss of recent memory after bilateral hippocampal lesions. *Journal of Neurology, Neurosurgery and Psychiatry*, 20, 11–21.
- Scribner, S., & Tobach, E. (1997). *Mind and social practice: Selected writings of Sylvia Scribner*. Cambridge, UK; New York, NY: Cambridge University Press.
- Searle, J. R. (1980). Minds, brains, and programs. *Behavioral and Brain Sciences*, 3, 417–424.

- Searle, J. R. (1984). *Minds, brains and science*. Cambridge, MA: Harvard University Press.
- Searle, J. R. (1990). Is the brain's mind a computer program? *Scientific American*, 262, 26–31.
- Searle, J. R. (1992). *The rediscovery of the mind*. Cambridge, MA: MIT Press.
- Sears, C. R., & Pylyshyn, Z. W. (2000). Multiple object tracking and attentional processing. *Canadian Journal of Experimental Psychology/Revue canadienne de psychologie experimentale*, 54(1), 1–14.
- Seashore, C. E. (1967). *Psychology of music*. New York, NY: Dover Publications. (Original work published 1938)
- Seidenberg, M. (1993). Connectionist models and cognitive theory. *Psychological Science*, 4, 228–235.
- Seidenberg, M., & McClelland, J. (1989). A distributed, developmental model of word recognition and naming. *Psychological Review*, 96, 523–568.
- Sejnowski, T. J., & Rosenberg, C. R. (1988). NETtalk: A parallel network that learns to read aloud. In J. A. Anderson & E. Rosenfeld (Eds.), *Neurocomputing: Foundations of research* (pp. 663–672). Cambridge, MA: MIT Press.
- Selfridge, O. G. (1956). Pattern recognition and learning. In C. Cherry (Ed.), *Information theory* (pp. 345–353). London, UK: Butterworths Scientific Publications.
- Shallice, T. (1988). *From neuropsychology to mental structure*. New York, NY: Cambridge University Press.
- Shanks, D. R. (1995). *The psychology of associative learning*. Cambridge, UK: Cambridge University Press.
- Shanks, D. R. (2007). Associationism and cognition: Human contingency learning at 25. *Quarterly Journal of Experimental Psychology*, 60(3), 291–309.
- Shannon, C. E. (1938). A symbolic analysis of relay and switching circuits. *Transactions of the American Institute of Electrical Engineers*, 57, 713–723.
- Shannon, C. E. (1948). A mathematical theory of communication. *The Bell System Technical Journal*, 27, 379–423, 623–656.
- Shapiro, L. A. (2011). *Embodied cognition*. New York, NY: Routledge.
- Sharkey, A. J. C. (2006). Robots, insects and swarm intelligence. *Artificial Intelligence Review*, 26(4), 255–268.
- Sharkey, N. E. (1992). *Connectionist natural language processing*. Dordrecht, Netherlands; Boston, MA: Kluwer Academic Publishers.
- Sharkey, N. E. (1997). The new wave in robot learning. *Robotics and Autonomous Systems*, 22(3–4), 179–185.
- Sharkey, N. E., & Sharkey, A. (2009). Electro-mechanical robots before the computer. *Proceedings of the Institution of Mechanical Engineers Part C-Journal of Mechanical Engineering Science*, 223(1), 235–241.
- Shelley, M. W. (1985). *Frankenstein*. Harmondsworth, Middlesex, England: Penguin Books. (Original work published 1818)
- Shepard, R. N. (1984a). Ecological constraints on internal representation: Resonant kinematics of perceiving, imagining, thinking, and dreaming. *Psychological Review*, 91(4), 417–447.



- Shepard, R. N. (1984b). Ecological constraints on internal representation: Resonant kinematics of perceiving, imagining, thinking, and dreaming. *Psychological Review*, 91, 417–447.
- Shepard, R. N. (1990). *Mind sights: Original visual illusions, ambiguities, and other anomalies*. New York, NY: W. H. Freeman & Co.
- Shepard, R. N., & Cooper, L. A. (1982). *Mental images and their transformations*. Cambridge, MA: MIT Press.
- Shepard, R. N., & Metzler, J. (1971). Mental rotation of three-dimensional objects. *Science*, 171(3972), 701–703.
- Shepard, R. N., Romney, A. K., & Nerlove, S. B. (1972). *Multidimensional scaling: Theory and applications in the behavioral sciences. Volume I: Theory*. New York, NY: Seminar Press.
- Shibata, N. (1991). A neural network-based method for chord note scale association with melodies. *Nec Research & Development*, 32(3), 453–459.
- Shiffrin, R. M., & Atkinson, R. C. (1969). Storage and retrieval processes in long-term memory. *Psychological Review*, 76(2), 179–193.
- Shimansky, Y. P. (2009). Biologically plausible learning in neural networks: A lesson from bacterial chemotaxis. *Biological Cybernetics*, 101(5–6), 379–385.
- Shosky, J. (1997). Russell's use of truth tables. *Russell: The Journal of the Bertrand Russell Archives*, 17(1), 11–26.
- Siegelmann, H. T. (1999). *Neural networks and analog computation: Beyond the Turing limit*. Boston, MA: Birkhauser.
- Siegelmann, H. T., & Sontag, E. D. (1991). Turing computability with neural nets. *Applied Mathematics Letters*, 4, 77–80.
- Siegelmann, H. T., & Sontag, E. D. (1995). On the computational power of neural nets. *Journal of Computer and System Sciences*, 50, 132–150.
- Simon, H. A. (1969). *The sciences of the artificial*. Cambridge, MA: MIT Press.
- Simon, H. A. (1979). Information processing models of cognition. *Annual Review of Psychology*, 30, 363–396.
- Simon, H. A. (1980). Cognitive science: The newest science of the artificial. *Cognitive Science*, 4, 33–46.
- Simon, H. A. (1982). *Models of bounded rationality*. Cambridge, MA: MIT Press.
- Simon, H. A., Egidi, M., & Marris, R. L. (1995). *Economics, bounded rationality and the cognitive revolution*. Aldershot, England; Brookfield, VT: E. Elgar.
- Simon, H. A., & Newell, A. (1958). Heuristic problem solving: The next advance in operations research. *Operations Research*, 6, 1–10.
- Simons, D. J., & Chabris, C. F. (1999). Gorillas in our midst: sustained inattention blindness for dynamic events. *Perception*, 28(9), 1059–1074.
- Singh, J. (1966). *Great ideas in information theory, language, and cybernetics*. New York, NY: Dover Publications.
- Singh, M., & Hoffman, D. D. (1997). Constructing and representing visual objects. *Trends in Cognitive Sciences*, 1(3), 98–102.
- Siqueira, P. H., Steiner, M. T. A., & Scheer, S. (2007). A new approach to solve the traveling salesman problem. *Neurocomputing*, 70(4–6), 1013–1021.

- Skinner, B. F. (1957). *Verbal behavior*. New York, NY: Appleton-Century-Crofts.
- Sloboda, J. A. (1985). *The musical mind: The cognitive psychology of music*. Oxford, UK: Oxford University Press.
- Sloboda, J. A., Clarke, E. F., Parncutt, R., & Raekallio, M. (1998). Determinants of finger choice in piano sight-reading. *Journal of Experimental Psychology-Human Perception and Performance*, *24*(1), 185–203.
- Smiley, J. (2010). *The man who invented the computer: The biography of John Atanasoff, digital pioneer* (1st ed.). New York, NY: Doubleday.
- Smith, E. E., & Osherson, D. N. (1995). *An invitation to cognitive science: Vol. 3. Thinking* (2nd ed.). Cambridge, MA: MIT Press.
- Smith, J. C., Marsh, J. T., Greenberg, S., & Brown, W. S. (1978). Human auditory frequency-following responses to a missing fundamental. *Science*, *201*(4356), 639–641.
- Smolensky, P. (1988). On the proper treatment of connectionism. *Behavioral and Brain Sciences*, *11*, 1–74.
- Smolensky, P., & Legendre, G. (2006). *The harmonic mind: From neural computation to optimality-theoretic grammar*. Cambridge, MA: MIT Press.
- Smythe, W. E., & McKenzie, S. A. (2010). A vision of dialogical pluralism in psychology. *New Ideas in Psychology*, *28*(2), 227–234.
- Snyder, B. (2000). *Music and memory: An introduction*. Cambridge, MA: MIT Press.
- Sobel, D. (1999). *Galileo's daughter: A historical memoir of science, faith, and love*. New York, NY: Walker & Co.
- Solso, R. L. (1995). *Cognitive psychology* (4th ed.). Boston, MA: Allyn and Bacon.
- Sorabji, R. (2006). *Aristotle on memory* (2nd ed.). Chicago: University of Chicago Press.
- Sovrano, V. A., Bisazza, A., & Vallortigara, G. (2003). Modularity as a fish (*Xenotoca eiseni*) views it: Conjoining geometric and nongeometric information for spatial reorientation. *Journal of Experimental Psychology-Animal Behavior Processes*, *29*(3), 199–210.
- Sparshoof, F. (1994). Music and feeling. In P. Alperson (Ed.), *Musical worlds: New directions in the philosophy of music* (pp. 23–36). University Park, PA: Pennsylvania State University Press.
- Sperry, R. W. (1993). The impact and promise of the cognitive revolution. *American Psychologist*, *48*(8), 878–885.
- Squire, L. R. (1987). *Memory and brain*. New York, NY: Oxford University Press.
- Squire, L. R. (1992). Declarative and nondeclarative memory: Multiple brain systems supporting learning and memory. *Journal of Cognitive Neuroscience*, *4*, 232–243.
- Squire, L. R. (2004). Memory systems of the brain: A brief history and current perspective. *Neurobiology of Learning and Memory*, *82*(3), 171–177.
- Stam, H. J. (2004). Unifying psychology: Epistemological act or disciplinary maneuver? *Journal of Clinical Psychology*, *60*(12), 1259–1262.
- Standage, T. (2002). *The Turk: The life and times of the famous eighteenth-century chess-playing machine*. New York, NY: Walker & Co.
- Stanovich, K. E. (2004). *The robot's rebellion: Finding meaning in the age of Darwin*. Chicago, IL: University of Chicago Press.

- Steedman, M. J. (1984). A generative grammar for jazz chord sequences. *Music Perception*, 2(1), 52–77.
- Stefik, M. J., & Bobrow, D. G. (1987). T. Winograd, F. Flores, Understanding computers and cognition: A new foundation for design (review). *Artificial Intelligence*, 31(2), 220–226.
- Steinbuch, K. (1961). Die lernmatrix. *Kybernetik*, 1, 36–45.
- Sternberg, R. J. (1977). Component processes in analogical reasoning. *Psychological Review*, 84, 353–378.
- Sternberg, R. J. (1996). *Cognitive psychology*. Fort Worth, TX: Harcourt Brace College Publishers.
- Sternberg, R. J. (1999). *The nature of cognition*. Cambridge, MA: MIT Press.
- Stevens, C., & Latimer, C. (1992). A comparison of connectionist models of music recognition and human performance. *Minds and Machines: Journal for Artificial Intelligence, Philosophy and Cognitive Science*, 2(4), 379–400.
- Stewart, I. (1994). A subway named Turing. *Scientific American*, 271, 104–107.
- Stewart, L., von Kriegstein, K., Warren, J. D., & Griffiths, T. D. (2006). Music and the brain: Disorders of musical listening. *Brain*, 129, 2533–2553.
- Stibitz, G. R., & Loveday, E. (1967a). The relay computers at Bell Labs: Part I. *Datamation*, 13(4), 35–49.
- Stibitz, G. R., & Loveday, E. (1967b). The relay computers at Bell Labs: Part II. *Datamation*, 13(5), 45–50.
- Stich, S. P. (1983). *From folk psychology to cognitive science: The case against belief*. Cambridge, MA: MIT Press.
- Stich, S. P., & Nichols, S. (1997). Cognitive penetrability, rationality and restricted simulation. *Mind & Language*, 12(3–4), 297–326.
- Stillings, N. A. (1995). *Cognitive science: An introduction* (2nd ed.). Cambridge, MA: MIT Press.
- Stillings, N. A., Feinstein, M. H., Garfield, J. L., Rissland, E. L., Rosenbaum, D. A., Weisler, S. E. (1987). *Cognitive science: An introduction*. Cambridge, MA: MIT Press.
- Stix, G. (1994). Bad apple picker: Can a neural network help find problem cops? *Scientific American*, 271, 44–46.
- Stoll, C. (2006). When slide rules ruled. *Scientific American*, 295(5), 80–87.
- Stone, G. O. (1986). An analysis of the delta rule and the learning of statistical associations. In D. E. Rumelhart & J. McClelland (Eds.), *Parallel distributed processing: Vol. 1. Foundations* (pp. 444–459). Cambridge, MA: MIT Press.
- Strunk, W. O. (1950). *Source readings in music history from classical antiquity through the Romantic Era* (1st ed.). New York, NY: Norton.
- Suchman, L. A., Winograd, T., & Flores, F. (1987). Understanding computers and cognition: A new foundation for design (review). *Artificial Intelligence*, 31(2), 227–232.
- Suddarth, S. C., & Kergosien, Y. L. (1990). Rule-injection hints as a means of improving network performance and learning time. In L. B. Almeida & C. J. Wellekens (Eds.), *Neural network: Workshop proceedings (lecture notes in computer science)* (Vol. 412, pp. 120–129). Berlin: Springer Verlag.
- Sundberg, J., & Lindblom, B. (1976). Generative theories in language and music descriptions. *Cognition*, 4(1), 99–122.
- Susi, T., & Ziemke, T. (2001). Social cognition, artefacts, and stigmergy: A comparative analysis of theoretical frameworks for the understanding of artefact-mediated collaborative activity. *Journal of Cognitive Systems Research*, 2, 273–290.

- Sutton, R. S., & Barto, A. G. (1981). Toward a modern theory of adaptive networks: Expectation and prediction. *Psychological Review*, 88(2), 135–170.
- Swade, D. D. (1993). Redeeming Charles Babbage's mechanical computer. *Scientific American*, 268, 86–91.
- Tarasewich, P., & McMullen, P. R. (2002). Swarm intelligence: Power in numbers. *Communications of the ACM*, 45(8), 62–67.
- Tarasti, E. (1995). *Musical signification: Essays in the semiotic theory and analysis of music*. Berlin, Germany; New York, NY: Mouton de Gruyter.
- Taylor, W. K. (1956). Electrical simulation of some nervous system functional activities. In C. Cherry (Ed.), *Information theory* (pp. 314–328). London: Butterworths Scientific Publications.
- Temperley, D. (2001). *The cognition of basic musical structures*. Cambridge, MA: MIT Press.
- Temperley, D. (2007). *Music and probability*. Cambridge, MA: MIT Press.
- Tenenbaum, J. M., & Barrow, H. G. (1977). Experiments in interpretation-guided segmentation. *Artificial Intelligence*, 8(3), 241–274.
- Teo, T. (2010). Ontology and scientific explanation: Pluralism as an a priori condition of psychology. *New Ideas in Psychology*, 28(2), 235–243.
- Terhardt, E., Stoll, G., & Seewann, M. (1982a). Algorithm for extraction of pitch and pitch salience from complex tonal signals. *Journal of the Acoustical Society of America*, 71(3), 679–688.
- Terhardt, E., Stoll, G., & Seewann, M. (1982b). Pitch of complex signals according to virtual-pitch theory: Tests, examples, and predictions. *Journal of the Acoustical Society of America*, 71(3), 671–678.
- Thagard, P. (1996). *Mind: Introduction to cognitive science*. Cambridge, MA: MIT Press.
- Thagard, P. (2005). *Mind: Introduction to cognitive science* (2nd ed.). Cambridge, MA: MIT Press.
- Theraulaz, G., & Bonabeau, E. (1995). Coordination in distributed building. *Science*, 269(5224), 686–688.
- Theraulaz, G., & Bonabeau, E. (1999). A brief history of stigmergy. *Artificial Life*, 5, 97–116.
- Theraulaz, G., Bonabeau, E., & Deneubourg, J. L. (1998). The origin of nest complexity in social insects. *Complexity*, 3(6), 15–25.
- Thilly, F. (1900). Locke's relation to Descartes. *The Philosophical Review*, 9(6), 597–612.
- Thompson, E. (2007). *Mind in life: Biology, phenomenology, and the sciences of mind*. Cambridge, MA: Belknap Press of Harvard University Press.
- Thorpe, C. E. (1990). *Vision and navigation: The Carnegie Mellon Navlab*. Boston, MA: Kluwer Academic Publishers.
- Tillmann, B., Jolicoeur, P., Ishihara, M., Gosselin, N., Bertrand, O., Rossetti, Y. (2010). The amusic brain: Lost in music, but not in space. *Plos One*, 5(4).
- Tillmann, B., Schulze, K., & Foxton, J. M. (2009). Congenital amusia: A short-term memory deficit for non-verbal, but not verbal sounds. *Brain and Cognition*, 71(3), 259–264.
- Todd, P. M. (1989). A connectionist approach to algorithmic composition. *Computer Music Journal*, 13(4), 27–43.
- Todd, P. M., & Loy, D. G. (1991). *Music and connectionism*. Cambridge, MA: MIT Press.
- Todd, P. M., & Werner, G. M. (1991). Frankensteinian methods for evolutionary music. In P. M. Todd & D. G. Loy (Eds.), *Music and connectionism* (pp. 313–339). Cambridge, MA: MIT Press.

- Tolman, E. C. (1932). *Purposive behavior in animals and men*. New York, NY: Century Books.
- Tolman, E. C. (1948). Cognitive maps in rats and men. *Psychological Review*, 55, 189–208.
- Tourangeau, R., & Sternberg, R. J. (1981). Aptness in metaphor. *Cognitive Psychology*, 13, 27–55.
- Tourangeau, R., & Sternberg, R. J. (1982). Understanding and appreciating metaphors. *Cognition*, 11, 203–244.
- Touretzky, D. S., & Pomerleau, D. A. (1994). Reconstructing physical symbol systems. *Cognitive Science*, 18, 345–353.
- Touretzky, D. S., Wan, H. S., & Redish, A. D. (1994). Neural representation of space in rats and robots. In J. M. Zurada, R. J. Marks & C. J. Robinson (Eds.), *Computational intelligence: Imitating life*. New York, NY: IEEE Press.
- Treisman, A. M. (1985). Preattentive processing in vision. *Computer Vision, Graphics, and Image Processing*, 31, 156–177.
- Treisman, A. M. (1986). Features and objects in visual processing. *Scientific American*, 254, 114–124.
- Treisman, A. M. (1988). Features and objects: The fourteenth Bartlett memorial lecture. *Quarterly Journal of Experimental Psychology*, 40A, 201–237.
- Treisman, A. M., & Gelade, G. (1980). A feature integration theory of attention. *Cognitive Psychology*, 12, 97–136.
- Treisman, A. M., & Gormican, S. (1988). Feature analysis in early vision: Evidence from search asymmetries. *Psychological Review*, 95, 14–48.
- Treisman, A. M., Kahneman, D., & Burkell, J. (1983). Perceptual objects and the cost of filtering. *Perception & Psychophysics*, 33(6), 527–532.
- Treisman, A. M., & Schmidt, H. (1982). Illusory conjunctions in the perception of objects. *Cognitive Psychology*, 14(1), 107–141.
- Treisman, A. M., Sykes, M., & Gelade, G. (1977). Selective attention and stimulus integration. In S. Dornic (Ed.), *Attention and performance VI*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Trick, L. M., & Pylyshyn, Z. W. (1993). What enumeration studies can show us about spatial attention: Evidence for limited capacity preattentive processing. *Journal of Experimental Psychology: Human Perception and Performance*, 19(2), 331–351.
- Trick, L. M., & Pylyshyn, Z. W. (1994). Why are small and large numbers enumerated differently: A limited-capacity preattentive stage in vision. *Psychological Review*, 101(1), 80–102.
- Tulving, E. (1983). *Elements of episodic memory*. Oxford, England: Oxford University Press.
- Turing, A. M. (1936). On computable numbers, with an application to the *Entscheidungsproblem*. *Proceedings of the London Mathematical Society, Series 2h*, 42, 230–265.
- Turing, A. M. (1950). Computing machinery and intelligence. *Mind*, 59, 433–460.
- Turino, T. (1999). Signs of imagination, identity, and experience: A Peircian semiotic theory for music. *Ethnomusicology*, 43(2), 221–255.
- Turkle, S. (1995). *Life on the screen: Identity in the age of the Internet*. New York, NY: Simon & Schuster.
- Turkle, S. (2011). *Alone together: Why we expect more from technology and less from each other* (epub ed.). New York, NY: Basic Books.
- Turner-Stokes, L., & Reid, K. (1999). Three-dimensional motion analysis of upper limb movement in the bowing arm of string-playing musicians. *Clinical Biomechanics*, 14(6), 426–433.

- Turvey, M. T., Shaw, R. E., Reed, E. S., & Mace, W. M. (1981). Ecological laws of perceiving and acting: In reply to Fodor and Pylyshyn (1981). *Cognition*, 9, 237–304.
- Tversky, A. (1977). Features of similarity. *Psychological Review*, 84, 327–352.
- Tversky, A., & Gati, I. (1982). Similarity, separability, and the triangle inequality. *Psychological Review*, 89, 123–154.
- Tversky, A., & Kahneman, D. (1974). Judgment under uncertainty: Heuristics and biases. *Science*, 185(4157), 1124–1131.
- Tye, M. (1991). *The imagery debate*. Cambridge, MA: MIT Press.
- Uexküll, J. v. (2001). An introduction to *umwelt*. *Semiotica*, 134(1–4), 107–110.
- Ullman, S. (1978). Two-dimensionality of the correspondence process in apparent motion. *Perception*, 7, 683–693.
- Ullman, S. (1979). *The interpretation of visual motion*. Cambridge, MA: MIT Press.
- Ullman, S. (1984). Visual routines. *Cognition*, 18, 97–159.
- Ullman, S. (2000). *High-level vision: Object recognition and visual cognition*. Cambridge, MA: MIT Press.
- Ungerleider, L. G., & Mishkin, M. (1982). Two cortical visual systems. In D. Ingle, M. A. Goodale & R. J. W. Mansfield (Eds.), *Analysis of visual behavior* (pp. 549–586). Cambridge, MA: MIT Press.
- Ungvary, T., & Vertegaal, R. (2000). Designing musical cyberinstruments with body and soul in mind. *Journal of New Music Research*, 29(3), 245–255.
- Valsiner, J. (2006). Dangerous curves in knowledge construction within psychology: Fragmentation of methodology. *Theory & Psychology*, 16(5), 597–612.
- Van den Stock, J., Peretz, I., Grezes, J., & de Gelder, B. (2009). Instrumental music influences recognition of emotional body language. *Brain Topography*, 21(3–4), 216–220.
- van der Linden, J., Schoonderwaldt, E., Bird, J., & Johnson, R. (2011). MusicJacket: Combining motion capture and vibrotactile feedback to teach violin bowing. *IEEE Transactions on Instrumentation and Measurement*, 60(1), 104–113.
- van Essen, D. C., Anderson, C. H., & Felleman, D. J. (1992). Information processing in the primate visual system: An integrated systems perspective. *Science*, 255(5043), 419–423.
- van Gelder, T. (1991). What is the “D” in “PDP”? A survey of the concept of distribution. In W. Ramsey, S. P. Stich & D. E. Rumelhart (Eds.), *Philosophy and connectionist theory* (pp. 33–59). Hillsdale, NJ: Lawrence Erlbaum Associates.
- van Hemmen, J. L., & Senn, W. (2002). Hebb in perspective. *Biological Cybernetics*, 87, 317–318.
- Varela, F. J., Thompson, E., & Rosch, E. (1991). *The embodied mind: Cognitive science and human experience*. Cambridge, MA: MIT Press.
- Vauclair, J., & Perret, P. (2003). The cognitive revolution in Europe: Taking the developmental perspective seriously. *Trends in Cognitive Sciences*, 7(7), 284–285.
- Vellino, A. (1987). T. Winograd, F. Flores, Understanding computers and cognition: A new foundation for design (review). *Artificial Intelligence*, 31(2), 213–220.
- Vera, A. H., & Simon, H. A. (1993). Situated action: A symbolic interpretation. *Cognitive Science*, 17, 7–48.

- Verfaillie, V., Depalle, P., & Wanderley, M. M. (2010). Detecting overblown flute fingerings from the residual noise spectrum. *Journal of the Acoustical Society of America*, *127*(1), 534–541.
- Verfaillie, V., Wanderley, M. M., & Depalle, P. (2006). Mapping strategies for gestural and adaptive control of digital audio effects. *Journal of New Music Research*, *35*(1), 71–93.
- Vico, G. (1988). *On the most ancient wisdom of the Italians*. (L. L. M. Palmer, Trans.). Ithaca: Cornell University Press. (Original work published 1710)
- Vico, G. (1990). *On the study methods of our time*. (E. Gianturco, Trans.). Ithaca, NY: Cornell University Press. (Original work published 1708)
- Vico, G. (2002). *The first new science*. (L. Pompa, Trans.). Cambridge, UK; New York, NY: Cambridge University Press. (Original work published 1725)
- Victor, J. D., & Conte, M. M. (1990). Motion mechanisms have only limited access to form information. *Vision Research*, *30*, 289–301.
- Vidal, R., & Hartley, R. (2008). Three-view multibody structure from motion. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *30*(2), 214–227.
- Vines, B. W., Krumhansl, C. L., Wanderley, M. M., Dalca, I. M., & Levitin, D. J. (2011). Music to my eyes: Cross-modal interactions in the perception of emotions in musical performance. *Cognition*, *118*(2), 157–170.
- Vines, B. W., Krumhansl, C. L., Wanderley, M. M., & Levitin, D. J. (2006). Cross-modal interactions in the perception of musical performance. *Cognition*, *101*(1), 80–113.
- Vogt, S., Buccino, G., Wohlschlagler, A. M., Canessa, N., Shah, N. J., Zilles, K. (2007). Prefrontal involvement in imitation learning of hand actions: Effects of practice and expertise. *Neuroimage*, *37*(4), 1371–1383.
- von Bekesy, G. (1928). On the theory of hearing: The oscillation form of the basilar membrane. *Physikalische Zeitschrift*, *29*, 793–810.
- von Eckardt, B. (1995). *What is cognitive science?* Cambridge, MA: MIT Press.
- von Frisch, K. (1974). *Animal architecture* (1st ed.). New York, NY: Harcourt Brace Jovanovich.
- von Neumann, J. (1958). *The computer and the brain*. New Haven, CN: Yale University Press.
- von Neumann, J. (1993). First draft of a report on the EDVAC (reprinted). *IEEE Annals of the History of Computing*, *15*(4), 28–75.
- Vulkan, N. (2000). An economist's perspective on probability matching. *Journal of Economic Surveys*, *14*(1), 101–118.
- Vygotsky, L. S. (1986). *Thought and language* (Rev. ed.). (A. Kozulin, Ed., Trans.). Cambridge, MA: MIT Press.
- Walkenbach, J., & Haddad, N. F. (1980). The Rescorla-Wagner theory of conditioning: A review of the literature. *Psychological Record*, *30*(4), 497–509.
- Walsh-Bowers, R. (2009). Some social-historical issues underlying psychology's fragmentation. *New Ideas in Psychology*, *28*(2), 244–252.
- Walton, K. (1994). Listening with imagination: Is music representational? In P. Alperson (Ed.), *Musical worlds: New directions in the philosophy of music* (pp. 47–62). University Park, PA: Pennsylvania State University Press.

- Waltz, D. (1975). Understanding line drawings of scenes with shadows. In P. H. Winston (Ed.), *The psychology of computer vision* (pp. 19–92). New York, NY: McGraw Hill.
- Wanderley, M. M., & Orio, N. (2002). Evaluation of input devices for musical expression: Borrowing tools from HCI. *Computer Music Journal*, 26(3), 62–76.
- Wang, Y. (2003). Cognitive informatics: A new transdisciplinary research field. *Brain & Mind*, 4, 115–127.
- Wang, Y. (2007). Cognitive informatics: Exploring the theoretical foundations for natural intelligence, neural informatics, autonomic computing, and agent systems. *International Journal of Cognitive Informatics and Natural Intelligence*, 1, i–x.
- Wang, Y. (2009). Formal description of the cognitive process of memorization. *Transactions of Computational Science*, 5, 81–98.
- Wang, Y., Liu, D., & Wang, Y. (2003). Discovering the capacity of human memory. *Brain & Mind*, 4, 151–167.
- Warren, H. C. (1921). *A history of the association psychology*. New York, NY: Charles Scribner's Sons.
- Warren, J. (2008). How does the brain process music? *Clinical Medicine*, 8(1), 32–36.
- Waskan, J., & Bechtel, W. (1997). Directions in connectionist research: Tractable computations without syntactically structured representations. *Metaphilosophy*, 28(1–2), 31–62.
- Wason, P. C. (1966). *Reasoning*. New York, NY: Penguin.
- Wason, P. C., & Johnson-Laird, P. N. (1972). *Psychology of reasoning: Structure and content*. London, UK: Batsford.
- Wasserman, G. S. (1978). *Color vision: An historical introduction*. New York, NY: John Wiley & Sons.
- Watanabe, T. (2010). Metascientific foundations for pluralism in psychology. *New Ideas in Psychology*, 28(2), 253–262.
- Watson, J. B. (1913). Psychology as the behaviorist views it. *Psychological Review*, 20, 158–177.
- Waugh, N. C., & Norman, D. A. (1965). Primary memory. *Psychological Review*, 72, 89–104.
- Webb, B., & Consi, T. R. (2001). *Biorobotics: Methods and applications*. Menlo Park, CA: AAAI Press/MIT Press.
- Wechsler, H. (1992). *Neural networks for perception: Computation, learning, and architectures* (Vol. 2). Boston, MA: Academic Press.
- Weizenbaum, J. (1966). Eliza: A computer program for the study of natural language communication between man and machine. *Communications of the ACM*, 9(1), 36–45.
- Weizenbaum, J. (1976). *Computer power and human reason*. San Francisco, CA: W.H. Freeman.
- Wellman, H. M. (1990). *The child's theory of mind*. Cambridge, MA: MIT Press.
- Wells, A. J. (1996). Situated action, symbol systems and universal computation. *Minds and Machines: Journal for Artificial Intelligence, Philosophy and Cognitive Science*, 6(1), 33–46.
- Wells, A. J. (2002). Gibson's affordances and Turing's theory of computation. *Ecological Psychology*, 14(3), 141–180.
- Werbos, P. J. (1994). *The roots of backpropagation: From ordered derivatives to neural networks and political forecasting*. New York, NY: Wiley.



- Wexler, K., & Culicover, P. W. (1980). *Formal principles of language acquisition*. Cambridge, MA: MIT Press.
- Wheeler, W. M. (1911). The ant colony as an organism. *Journal of Morphology*, 22(2), 307–325.
- Wheeler, W. M. (1926). Emergent evolution and the social. *Science*, 64(1662), 433–440.
- Whittall, A. (1987). *Romantic music: A concise history from Schubert to Sibelius*. London, UK: Thames and Hudson.
- Wicker, B., Keysers, C., Plailly, J., Royet, J. P., Gallese, V., & Rizzolatti, G. (2003). Both of us disgusted in my insula: The common neural basis of seeing and feeling disgust. *Neuron*, 40(3), 655–664.
- Widrow, B. (1962). Generalization and information storage in networks of ADALINE “neurons.” In M. C. Yovits, G. T. Jacobi & G. D. Goldsteing (Eds.), *Self-organizing systems 1962* (pp. 435–461). Washington, D.C.: Spartan Books.
- Widrow, B., & Hoff, M. E. (1960). Adaptive switching circuits. Institute of Radio Engineers, Wester Electronic Show and Convention, Convention Record, Part 4, 96–104.
- Widrow, B., & Lehr, M. A. (1990). 30 years of adaptive neural networks: Perceptron, MADALINE, and backpropagation. *Proceedings Of The IEEE*, 78(9), 1415–1442.
- Wiener, N. (1948). *Cybernetics: Or control and communciation in the animal and the machine*. Cambridge, MA: MIT Press.
- Wiener, N. (1964). *God & Golem, Inc.* Cambridge, MA: MIT Press.
- Wilhelms, J., & Skinner, R. (1990). A notion for interactive behavioral animation control. *IEEE Computer Graphics and Applications*, 10(3), 14–22.
- Williams, F. C., & Kilburn, T. (1949). A storate system for use with binary-digital computing machines. *Proceedings of the Institution of Electrical Engineers-London*, 96(40), 81–100.
- Williams, J. H. G., Whiten, A., Suddendorf, T., & Perrett, D. I. (2001). Imitation, mirror neurons and autism. *Neuroscience and Biobehavioral Reviews*, 25(4), 287–295.
- Williams, M. R. (1993). The origins, uses, and fate of the EDVAC. *IEEE Annals of the History of Computing*, 15(1), 22–38.
- Williams, M. R. (1997). *A history of computing technology* (2nd ed.). Los Alamitos, CA: IEEE Computer Society Press.
- Wilson, E. O., & Lumsden, C. J. (1991). Holism and reduction in sociobiology: Lessons from the ants and human culture. *Biology & Philosophy*, 6(4), 401–412.
- Wilson, M., Melhuish, C., Sendova-Franks, A. B., & Scholes, S. (2004). Algorithms for building annular structures with minimalist robots inspired by brood sorting in ant colonies. *Autonomous Robots*, 17(2–3), 115–136.
- Wilson, R. A. (2004). *Boundaries of the mind: The individual in the fragile sciences: Cognition*. Cambridge, UK; New York, NY: Cambridge University Press.
- Wilson, R. A. (2005). *Genes and the agents of life: The individual in the fragile sciences: Biology*. New York, NY: Cambridge University Press.
- Wilson, R. A., & Keil, F. C. (1999). *The MIT encyclopedia of the cognitive sciences*. Cambridge, MA: MIT Press.
- Winograd, T. (1972a). Understanding natural language. *Cognitive Psychology*, 3, 1–191.
- Winograd, T. (1972b). *Understanding natural language*. New York, NY: Academic Press.

- Winograd, T. (1983). *Language as a cognitive process: Vol. 1. Syntax*. Reading, MA: Addison Wesley Pub. Co.
- Winograd, T., & Flores, F. (1987a). On understanding computers and cognition: A new foundation for design: A response to the reviews. *Artificial Intelligence*, 31(2), 250–261.
- Winograd, T., & Flores, F. (1987b). *Understanding computers and cognition*. New York, NY: Addison-Wesley.
- Wisse, M., Schwab, A. L., & van der Helm, F. C. T. (2004). Passive dynamic walking model with upper body. *Robotica*, 22, 681–688.
- Witkin, A. P. (1981). Recovering surface shape and orientation from texture. *Artificial Intelligence*, 17(1–3), 17–45.
- Wittgenstein, L. (1922). *Tractatus logico-philosophicus*. (C. K. Ogden, Trans.). New York, NY: Harcourt, Brace & company.
- Wood, G. (2002). *Living dolls: A magical history of the quest for artificial life*. London, UK: Faber and Faber.
- Wotton, J. M., Haresign, T., & Simmons, J. A. (1995). Spatially dependent acoustic cues generated by the external ear of the big brown bat, *Eptesicus fuscus*. *Journal of the Acoustical Society of America*, 98(3), 1423–1445.
- Wotton, J. M., & Simmons, J. A. (2000). Spectral cues and perception of the vertical position of targets by the big brown bat, *Eptesicus fuscus*. *Journal of the Acoustical Society of America*, 107(2), 1034–1041.
- Wright, R. D. (1998). *Visual attention*. New York, NY: Oxford University Press.
- Wright, R. D., & Dawson, M. R. W. (1994). To what extent do beliefs affect apparent motion? *Philosophical Psychology*, 7, 471–491.
- Wundt, W. M., & Titchener, E. B. (1904). *Principles of physiological psychology* (5th German ed. Trans.). London, UK: Sonnenschein. (Original work published 1873)
- Yaremchuk, V., & Dawson, M. R. W. (2005). Chord classifications by artificial neural networks revisited: Internal representations of circles of major thirds and minor thirds. *Artificial Neural Networks: Biological Inspirations - ICANN 2005, Part 1, Proceedings*, 3696 (605–610).
- Yaremchuk, V., & Dawson, M. R. W. (2008). Artificial neural networks that classify musical chords. *International Journal of Cognitive Informatics and Natural Intelligence*, 2(3), 22–30.
- Yates, F. A. (1966). *The art of memory*. Chicago, IL: University of Chicago Press.
- Zachary, G. P. (1997). *Endless frontier: Vannevar Bush, engineer of the American century*. New York, NY: Free Press.
- Zatorre, R. J. (2005). Neuroscience: Finding the missing fundamental. *Nature*, 436(7054), 1093–1094.
- Zatorre, R. J., Chen, J. L., & Penhune, V. B. (2007). When the brain plays music: auditory-motor interactions in music perception and production. *Nature Reviews Neuroscience*, 8(7), 547–558.
- Zihl, J., von Cramon, D., & Mai, N. (1983). Selective disturbance of movement vision after bilateral brain damage. *Brain*, 106, 313–340.
- Zipser, D., & Andersen, R. A. (1988). A back-propagation programmed network that simulates response properties of a subset of posterior parietal neurons. *Nature*, 331, 679–684.

Zittoun, T., Gillespie, A., & Cornish, F. (2009). Fragmentation or differentiation: Questioning the crisis in psychology. *Integrative Psychological and Behavioral Science*, *43*(2), 104–115.

Zuse, K. (1993). *The computer, my life*. Berlin, Germany; New York, NY: Springer-Verlag.