

References

- Abbs, J.H., Gracco, V.L., & Cole, K.J. (1984). Control of multimovement coordination: Sensorimotor mechanisms in speech motor programming. *Journal of Motor Behavior, 16*, 195-232.
- Abernethy, B. (2001). Attention. In R.N. Singer, H.A. Hausenblas, & C.M. Janelle (Eds.), *Handbook of sport psychology* (2nd ed., pp. 53-85). Wiley.
- Abernethy, B., Farrow, D., Gorman, A., & Mann, D. (2012). Anticipatory behavior and expert performance. In N.J. Hodges & A.M. Williams (Eds.), *Skill acquisition in sport: Research, theory and practice* (2nd ed., pp. 287-305). Routledge.
- Abernethy, B., & Wood, J.M. (2001). Do generalized visual training programmes for sport really work? An experimental investigation. *Journal of Sports Sciences, 19*, 203-222.
- Adams, J.A. (1953). *The prediction of performance at advanced stages of training on a complex psychomotor task*. Res. Bull. 5349. Human Resources Research Center.
- Adams, J.A. (1956). *An evaluation of test items measuring motor abilities*. Research Rep. AFPTRCTN5655. Human Resources Research Center.
- Adams, J.A. (1961). The second facet of forgetting: A review of warmup decrement. *Psychological Bulletin, 58*, 257-273.
- Adams, J.A. (1971). A closed-loop theory of motor learning. *Journal of Motor Behavior, 3*, 111-150.
- Adams, J.A. (1987). Historical review and appraisal of research on the learning, retention, and transfer of human motor skills. *Psychological Bulletin, 101*, 41-74.
- Adams, J.A., & Dijkstra, S. (1966). Short-term memory for motor responses. *Journal of Experimental Psychology, 71*, 314-318.
- Agarwal, P.K., Nunes, L.D. & Blunt, J.R. (2021). Retrieval practice consistently benefits student learning: A systematic review of applied research in schools and classrooms. *Educational Psychology Review, 33*, 1409-1453.
- Agethen, M., & Krause, D. (2016). Effects of bandwidth feedback on the automatization of an arm movement sequence. *Human Movement Science, 45*, 71-83.
- Ajemian, R., D'Ausilio, A., Moorman, H., & Bizzi, E. (2010). Why professional athletes need a prolonged period of warm-up and other peculiarities of human motor learning. *Journal of Motor Behavior, 42*, 381-388.
- Alaker, M., Wynn, G.R., & Arulampalam, T. (2016). Virtual reality in laparoscopic surgery: A systematic review and meta-analysis. *International Journal of Surgery, 29*, 85-94.
- Alexander, R.M. (2003). *Principles of animal locomotion*. Princeton University Press.
- Allard, F., & Burnett, N. (1985). Skill in sport. *Canadian Journal of Psychology, 39*, 294-312.
- Ammons, R.B. (1950). Acquisition of motor skill: III. Effects of initially distributed practice on rotary pursuit performance. *Journal of Experimental Psychology, 40*, 777-787.
- Ammons, R.B., Farr, R.G., Block, E., Neumann, E., Dey, M., Marion, R., & Ammons, C.H. (1958). Long-term retention of perceptual motor skills. *Journal of Experimental Psychology, 55*, 318-328.
- Ammons, R.B., & Willig, L. (1956). Acquisition of motor skill: IV. Effects of repeated periods of massed practice. *Journal of Experimental Psychology, 51*, 118-126.
- Anderson, D.I., Lohse, K.R., Lopes, T.C.V., & Williams, A.M. (2021). Individual differences in motor skill learning: Past, present and future. *Human Movement Science, 78*, 102818. <https://doi.org/10.1016/j.humov.2021.102818>
- Anderson, D.I., Magill, R.A., Sekiya, H., & Ryan, G. (2005). Support for an explanation of the guidance effect in motor skill learning. *Journal of Motor Behavior, 37*, 231-238.
- Annett, J. (1959). Learning a pressure under conditions of immediate and delayed knowledge of results. *Quarterly Journal of Experimental Psychology, 11*, 3-15.

- Anson, J.G., Elliott, D., & Davids, K. (2005). Information processing and constraints-based views of skill acquisition: Divergent or complementary? *Motor Control, 9*, 217-241.
- Arexis, M., & Maquestiaux, F. (2023). Visual illusions influence proceduralized sports performance. *Psychonomic Bulletin & Review, 30*, 174-183.
- Armstrong, T.R. (1970). *Training for the production of memorized movement patterns*. Tech. Rep. No. 26. University of Michigan, Department of Psychology.
- Arps, G.F. (1920). Work with knowledge of results versus work without knowledge of results. *Psychological Monographs, 28*, 1-41.
- Asundi, K., & Odell, D. (2011). Effects of keyboard keyswitch design: A review of the current literature. *Work, 39*, 151-159.
- Atkinson, R.C., & Shiffrin, R.M. (1968). Human memory: A proposed system and its control processes. In K.W. Spence, & J.T. Spence (Eds.), *The psychology of learning and motivation: Advances in research and theory* (Vol. 2, pp. 89-195). Academic Press.
- Attneave, F. (1959). *Applications of information theory to psychology: A summary of basic concepts, methods, and results*. Holt, Rinehart & Winston.
- Baddeley, A.D., & Longman, D.J.A. (1978). The influence of length and frequency of training session on the rate of learning to type. *Ergonomics, 21*, 627-635.
- Bahrack, H.P., Fitts, P.M., & Briggs, G.E. (1957). Learning curves—facts or artifacts? *Psychological Bulletin, 54*, 256-268.
- Banala, S.K., Kim, S.H., Agrawal, S.K., & Scholz, J.P. (2009). Robot assisted gait training with active leg exoskeleton (ALEX). *IEEE Transactions on Neural Systems and Rehabilitation Engineering, 17*, 2-8.
- Barnsley, R.H., Thompson, A.H., & Legault, P. (1992). Family planning: Football style. The relative age effect in football. *International Review for the Sociology of Sport, 27*, 77-87.
- Bartlett, F.C. (1932). *Remembering: A study in experimental and social psychology*. Cambridge University Press.
- Battig, W.F. (1966). Facilitation and interference. In E.A. Bilodeau (Ed.), *Acquisition of skill* (pp. 215-244). Academic Press.
- Battig, W.F. (1979). The flexibility of human memory. In L.S. Cermak & F.I.M. Craik (Eds.), *Levels of processing in human memory* (pp. 23-44). Erlbaum.
- Beilock, S.L. (2010). *Choke: What the secrets of the brain reveal about success and failure at work and at play*. Simon & Schuster.
- Belen'kii, V.Y., Gurfinkel, V.S., & Pal'tsev, Y.I. (1967). Elements of control of voluntary movements. *Biofizika, 12*, 135-141.
- Bender, P.A. (1987). *Extended practice and patterns of bimanual interference*. Unpublished doctoral dissertation, University of Southern California.
- Bernier, M., Codron, R., Thienot, E., & Fournier, J.F. (2011). The attentional focus of expert golfers in training and competition: A naturalistic investigation. *Journal of Applied Sport Psychology, 23*, 326-341.
- Bernier, M., Trottier, C., Thienot, E., & Fournier, J. (2016). An investigation of attentional foci and their temporal patterns: A naturalistic study in expert figure skaters. *The Sport Psychologist, 30*, 256-266.
- Bernstein, N.A. (1967). *The co-ordination and regulation of movements*. Pergamon Press.
- Bernstein, N.A. (1996). On dexterity and its development. In M.L. Latash & M.T. Turvey (Eds.), *Dexterity and its development*. Erlbaum.
- Bilodeau, I.M. (1966). Information feedback. In E.A. Bilodeau (Ed.), *Acquisition of skill* (pp. 255-296). Academic Press.
- Bjork, R.A., & Bjork, E.L. (2019). The myth that blocking one's study or practice by topic or skill enhances learning. In C. Barton (Ed.), *The researchED guide to education myths: An evidence-informed guide for teachers* (pp. 59-72). John Catt Educational.
- Bjork, R.A., & Bjork, E.L. (2020). Desirable difficulties in theory and practice. *Journal of Applied Research in Memory and Cognition, 9*, 475-479.
- Blouin, J., Gauthier, G.M., Vercher, J.L., & Cole, J. (1996). The relative contribution of retinal and extraretinal signals in determining the accuracy of reaching movements in normal subjects and a deafferented patient. *Experimental Brain Research, 109*, 148-153.
- Bourne, L.E., Jr., & Archer, E.J. (1956). Time continuously on target as a function of distribution of practice. *Journal of Experimental Psychology, 51*, 25-33.
- Boutcher, S.H., & Crews, D.J. (1987). The effect of a preshot attentional routine on a well-learned skill. *International Journal of Sport Psychology, 18*, 30-39.
- Bouwsema, H., van der Sluis, C.K., & Bongers, R.M. (2014). Effect of feedback during virtual training

- of grip force control with a myoelectric prosthesis. *PLoS ONE*, 9, e98301. <https://doi.org/10.1371/journal.pone.0098301>
- Boyce, B.A. (1992). Effects of assigned versus participant-set goals on skill acquisition and retention of a selected shooting task. *Journal of Teaching in Physical Education*, 11, 220-234.
- Breslin, G., Hodges, N.J., Steenson, A., & Williams, A.M. (2012). Constant or variable practice: Recreating the especial skill effect. *Acta Psychologica*, 140, 154-157.
- Bridgeman, B., Kirch, M., & Sperling, A. (1981). Segregation of cognitive and motor aspects of visual information using induced motion. *Perception & Psychophysics*, 29, 336-342.
- Broadbent, D.P., Causer, J., Williams, A.M., & Ford, P.R. (2017). The role of error processing in the contextual interference effect during the training of perceptual-cognitive skills. *Journal of Experimental Psychology: Human Perception and Performance*, 43, 1329-1342.
- Brosnan, K.C., Hayes, K., & Harrison, A.J. (2017). Effects of false-start disqualification rules on response-times of elite-standard sprinters. *Journal of Sports Sciences*, 35, 925-935.
- Brown, I.D. (2005). *Review of the "looked but failed to see" accident causation factor*. Road Safety Res. Rep. No. 60. Ivan Brown Associates.
- Brown, I.D., Tickner, A.H., & Simmons, D.C.V. (1969). Interference between concurrent tasks of driver and telephoning. *Journal of Applied Psychology*, 53, 419-424.
- Brown, P.C., Roediger, H.L., & McDaniel, M.A. (2014). *Make it stick: The science of successful learning*. Belknap Press.
- Bryan, W.L., & Harter, N. (1897). Studies in the physiology and psychology of the telegraphic language. *Psychological Review*, 4, 27-53.
- Bryan, W.L., & Harter, N. (1899). Studies on the telegraphic language: The acquisition of a hierarchy of habits. *Psychological Review*, 6, 345-375.
- Button, C., Seifert, L., Chow, J.Y., Araújo, D., & Davids, K. (2021). *Dynamics of skill acquisition: An ecological dynamics approach* (2nd ed.). Human Kinetics.
- Caird, J.K., Simmons, S.M., Wiley, K., & Johnston, K.A. (2018). Does talking on a cell phone, with a passenger, or dialing affect driving performance? An updated systematic review and meta-analysis of experimental studies. *Human Factors*, 60, 101-133.
- Cañal-Bruland, R., Müller, F., Lach, B., & Spence, C. (2018). Auditory contributions to visual anticipations in tennis. *Psychology of Sport & Exercise*, 36, 100-103.
- Carpenter, S.K., Pan, S.C., & Butler, A.C. (2022). The science of effective learning with spacing and retrieval practice. *Nature Neuroscience Psychology*, 1, 496-511. <https://doi.org/10.1038/s44159-022-00089-1>
- Carron, A.V. (1967). *Performance and learning in a discrete motor task under massed versus distributed conditions*. Unpublished doctoral dissertation, University of California, Berkeley.
- Carron, A.V., Loughhead, T.M., & Bray, S.R. (2005). The home advantage in sport competitions: Courneya and Carron's (1992) conceptual framework a decade later. *Journal of Sports Sciences*, 23, 395-407.
- Carter, C. (July 2020). Why the progress you make in the practice room seems to disappear Overnight—Part 2. *The Bulletproof Musician*. <https://bulletproofmusician.com/why-the-progress-you-make-in-the-practice-room-seems-to-disappear-overnight-part-2>
- Catalano, J.F., & Kleiner, B.M. (1984). Distant transfer in coincident timing as a function of practice variability. *Perceptual and Motor Skills*, 58, 851-856.
- Cattell, J.M. (1893). Aufmerksamkeit und reaction. *Philosophische Studien*, 8, 403-406. English translation in R.S. Woodworth (1947). *Psychological research* (vol. 1, pp. 252-255). Science Press.
- Cecilio-Fernandes, D., Cnossen, F., Jaarsma, D.A.C.C., & Tio, R.A. (2018). Avoiding surgical skill decay: A systematic review on the spacing of training sessions. *Journal of Surgical Education*, 75, 471-480.
- Cha, Y.J., Yoo, E.Y., Jung, M.Y, Park, S.H., & Park, J.H. (2012). Effects of functional task training with mental practice in stroke: A meta analysis. *NeuroRehabilitation*, 30, 239-246.
- Chabris, C.F., & Simons, D.J. (2010). *The invisible gorilla: And other ways our intuitions deceive us*. Crown.
- Chapanis, A. (1951). Theory and methods for analyzing errors in man-machine systems. *Annals of the New York Academy of Sciences*, 51, 1179-1203.
- Chase, W.G., & Simon, H.A. (1973). Perception in chess. *Cognitive Psychology*, 4, 55-81.
- Chauvel, G., Wulf, G., & Maquestiaux, F. (2015). Visual illusions can facilitate sport skill learning. *Psychonomic Bulletin & Review*, 22, 717-721.

- Cherry, E.C. (1953). Some experiments on the recognition of speech, with one and two ears. *Journal of the Acoustical Society of America*, 25, 975-979.
- Chiviawosky, S. (2021). The motivational role of feedback in motor learning: Evidence, interpretations, and implications. In M. Bertollo, E. Filho, & P.C. Terry (Eds.) *Advancements in mental skills training* (pp. 44-56). Routledge.
- Chiviawosky, S., & Wulf, G. (2007). Feedback after good trials enhances learning. *Research Quarterly for Exercise and Sport*, 78, 40-47.
- Choi, Y., Qi, F., Gordon, J., & Schweighofer, N. (2008). Performance-based adaptive schedules enhance motor learning. *Journal of Motor Behavior*, 40, 273-280.
- Christina, R.W. (1992). The 1991 C.H. McCloy research lecture: Unraveling the mystery of the response complexity effect in skilled movements. *Research Quarterly for Exercise and Sport*, 63, 218-230.
- Chua, L.-K., Jimenez-Diaz, J., Lewthwaite, R., Kim, T., & Wulf, G. (2021). Superiority of external attentional focus for motor performance and learning: Systematic reviews and meta-analyses. *Psychological Bulletin*, 147, 618-645.
- Cignetti, F., Schena, F., Zanone, P.G., & Rouard, A. (2009). Dynamics of coordination in cross-country skiing. *Human Movement Science*, 28, 204-217.
- Cobley, S., Baker, J., Wattie, N., & McKenna, J. (2009). Annual age-grouping and athlete development: A meta-analytical review of relative age effects in sport. *Sports Medicine*, 39, 235-256.
- Cooper, D., Fuller, J., Wiggins, M.W., Wills, J.A., Main, L.C., & Doyle, T. (2024). Negative consequences of pressure on marksmanship may be offset by early training exposure to contextually relevant threat training: A systematic review and meta-analysis. *Human Factors*, 66, 294-311. <https://doi.org/10.1177/00187208211065907>
- Cooper, J.M., & Strayer, D.L. (2008). Effects of simulator practiced and real-world experience on cell-phone related driver distraction. *Human Factors*, 50, 893-902.
- Coughlan, E.K., Williams, A.M., McRobert, A.P., & Ford, P.R. (2014). How experts practice: A novel test of deliberate practice theory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 40, 449-458.
- Crossman, E.R.F.W. (1959). A theory of the acquisition of speed skill. *Ergonomics*, 2, 153-166.
- Cuddy, L.J., & Jacoby, L.L. (1982). When forgetting helps memory. An analysis of repetition effects. *Journal of Verbal Learning and Verbal Behavior*, 21, 451-467.
- Davies, D.R., & Parasuraman, R. (1982). *The psychology of vigilance*. Academic Press.
- Davis, R. (1959). The role of "attention" in the psychological refractory period. *Quarterly Journal of Experimental Psychology*, 11, 211-220.
- Deci, E.L., & Ryan, R.M. (2000). The "what" and "why" of goal pursuits: Human needs and the self-determination of behavior. *Psychological Inquiry*, 11, 227-268.
- de Gelder, B., Tamietto, M., van Boxtel, G., Goebel, R., Sahraie, A., van den Stock, J., Stienen, B.M.C., Weiskrantz, L., & Pegna, A. (2008). Intact navigation skills after bilateral loss of striate cortex. *Current Biology*, 18, R1128-R1129.
- deGroot, A.D. (1946/1978). *Thought and choice in chess*. Mouton. (Original work published in 1946).
- DeLuca, M., Low, D., Kumari, V., Parton, A., Davis, J., & Mohagheghi, A.A. (2022). A systematic review with meta-analysis of the StartReact effect on motor responses in stroke survivors and healthy individuals. *Journal of Neurophysiology*, 127, 938-945.
- Dickstein, R., & Deutsch, J.E. (2007). Motor imagery in physical therapist practice. *Physical Therapy*, 87, 942-953.
- Diedrich, F.J., & Warren, W.H., Jr. (1995). Why change gaits? Dynamics of the walk-run transition. *Journal of Experimental Psychology: Human Perception and Performance*, 21, 183-202.
- Drew, T., Vo, M.L.H., & Wolfe, J.M. (2013). The invisible gorilla strikes again: Sustained inattention blindness in expert observers. *Psychological Science*, 24, 1848-1853.
- Drowatzky, J.N., & Zuccato, F.C. (1967). Interrelationships between selected measures of static and dynamic balance. *Research Quarterly*, 38, 509-510.
- Eliasz, K.L. (2016). *The effects of social-comparative feedback during motor skill acquisition in highly motivated learners: Applications to medical education*. PhD thesis, McMaster University. <hdl.handle.net/11375/20515>
- Elliott, D., & Bennett, S.J. (2021). Intermittent vision and goal-directed movement: A review. *Journal of Motor Behavior*, 53, 523-543.
- Elliott, D., Hansen, S., & Grierson, L.E.M. (2010). The legacy of R.S. Woodworth: The two-component model revisited. In D. Elliott & M. Khan (Eds.), *Vision and goal-directed movement: Neurobehavioral perspectives* (pp. 5-19). Human Kinetics.
- Elliott, D., Helsen, W.F., & Chua, R. (2001). A century later: Woodworth's (1899) two-component model

- of goal-directed aiming. *Psychological Bulletin*, 127, 342-357.
- Elliott, D., & Khan, M. (Eds.). (2010). *Vision and goal-directed movement: Neurobehavioral perspectives*. Human Kinetics.
- Elliott, D., & Lee, T.D. (1995). The role of target information on manual aiming bias. *Psychological Research*, 58, 2-9.
- Ericsson, K.A., & Pool, R. (2016). *Peak: Secrets from the new science of expertise*. Houghton, Mifflin, Harcourt.
- Farrow, D., & Abernethy, B. (2015). Expert anticipation and pattern perception. In J. Baker & D. Farrow (Eds.), *Routledge handbook of sport expertise* (pp. 9-21). Routledge.
- Feeley, A.A., Feeley, I.H., Merghani, K., & Sheehan, E. (2022). Use of procedure specific preoperative warm-up during surgical priming improves operative outcomes: A systematic review. *The American Journal of Surgery*, 224, 1126-1134.
- Feltz, D.L., & Landers, D.M. (1983). The effects of mental practice on motor skill learning and performance: A meta-analysis. *Journal of Sport Psychology*, 5, 25-57.
- Firth, J., Rivers, I., & Boyle, J. (2021). A systematic review of interleaving as a concept learning strategy. *Review of Education*, 9, 642-684.
- Fischman, M.G., Christina, R.W., & Anson, J.G. (2008). Memory drum theory's C movement: Revelations from Franklin Henry. *Research Quarterly for Exercise and Sport*, 79, 312-318.
- Fitts, P.M. (1954). The information capacity of the human motor system in controlling the amplitude of movement. *Journal of Experimental Psychology*, 47, 381-391.
- Fitts, P.M. (1964). Perceptual-motor skills learning. In A.W. Melton (Ed.), *Categories of human learning* (pp. 243-285). Academic Press.
- Fitts, P.M., Bahrick, H.P., Noble, M.E., & Briggs, G.E. (1959). *Skilled performance*. Contract No. AF 41 [657]-70. Ohio State University, Wright Air Development Center.
- Fitts, P.M., & Peterson, J.R. (1964). Information capacity of discrete motor responses. *Journal of Experimental Psychology*, 67, 103-112.
- Fitts, P.M., & Posner, M.I. (1967). *Human performance*. Brooks/Cole.
- Fleishman, E.A. (1956). Psychomotor selection tests: Research and application in the United States Air Force. *Personnel Psychology*, 9, 449-467.
- Fleishman, E.A., & Parker, J.F. (1962). Factors in the retention and relearning of perceptual motor skill. *Journal of Experimental Psychology*, 64, 215-226.
- Fontaine, R.J., Lee, T.D., & Swinnen, S.P. (1997). Learning a new bimanual coordination pattern: Reciprocal influences of intrinsic and to-be-learned patterns. *Canadian Journal of Experimental Psychology*, 51, 1-9.
- Forsberg, H., Grillner, S., & Rossignol, S. (1975). Phase dependent reflex reversal during walking in chronic spinal cats. *Brain Research*, 85, 103-107.
- Fujii, S., Kudo, K., Ohtsuki, T., & Oda, S. (2010). Intrinsic constraint of asymmetry acting as a control parameter on rapid, rhythmic bimanual coordination: A study of professional drummers and nondrummers. *Journal of Neurophysiology*, 104, 2178-2186.
- Garrison, K.A., Winstein, C.J., & Aziz-Zadeh, L. (2010). The mirror neuron system: A neural substrate for methods in stroke rehabilitation. *Neurorehabilitation and Neural Repair*, 24, 404-412.
- Gentile, A.M. (1972). A working model of skill acquisition with application to teaching. *Quest*, 17, 3-23.
- Gentile, A.M. (2000). Skill acquisition: Action, movement, and neuromotor processes. In J.H. Carr & R.H. Shepherd (Eds.), *Movement science: Foundation for physical therapy in rehabilitation* (2nd ed., pp. 111-180). Aspen.
- Gentili, R., Han, C.E., Schweighofer, N., & Papaxanthis, C. (2010). Motor learning without doing: Trial-by-trial improvement in motor performance during mental training. *Journal of Neurophysiology*, 104, 774-783.
- Gentner, D.R. (1987). Timing of skilled motor performance: Tests of the proportional duration model. *Psychological Review*, 94, 255-276.
- Giboin, L.-S., Gruber, M., Kramer, A. (2018). Three months of slackline training elicit only task specific improvements in balance performance. *PLoS ONE*, 13, e0207542. <https://doi.org/10.1371/journal.pone.0207542>
- Gibson, J.J. (1966). *The senses considered as perceptual systems*. Houghton Mifflin.
- Gladwell, M. (2008). *Outliers: The story of success*. Little, Brown.
- Gonzalez, C.C., Causer, J., Miall, R.C., Grey, M.J., Humphreys, G., & Williams, A.M. (2017). Identifying the causal mechanisms of the quiet eye. *European Journal of Sport Science*, 17, 74-84.
- Gray, R. (2008). Multisensory information in the control of complex motor actions. *Current Directions in Psychological Science*, 17, 244-248.