

author was supported, in part, by the Laura H. Carnell Chair at Temple University.

REFERENCES

- Acredolo, C., O'Connor, J., Banks, L., & Horobin, K. (1989). Children's ability to make probability estimates: Skills revealed through application of Anderson's functional measurement methodology. *Child Development, 60*, 933–945.
- Adam, M.B., & Reyna, V.F. (2005). Coherence and correspondence criteria for rationality: Experts' estimation of risks of sexually transmitted infections. *Journal of Behavioral Decision Making, 18*, 169–186.
- Agnew, N.M., & Pyke, S.W. (1994). *The science game: An introduction to research in the social sciences*. Englewood Cliffs, NJ: Prentice Hall.
- Ainslie, G. (1992). *Picoeconomics: The strategic interaction of successive motivational states within the person*. Cambridge, England: Cambridge University Press.
- Ainslie, G. (2001). *Breakdown of will*. New York, NY: Cambridge University Press.
- Ajzen, I. (1989). Attitude structure and behavior. In A.R. Pratkanis, S.J. Breckler, & A.G. Greenwald (Eds.), *Attitude structure and function* (pp. 241–274). Hillsdale, NJ: Erlbaum.
- Ajzen, I. (1991). The theory of planned behavior. *Organizational Behavior and Human Decision Processes, 50*, 179–211.
- Ajzen, I., & Fishbein, M. (1980). *Understanding attitudes and predicting social behavior*. Englewood Cliffs, NJ: Prentice-Hall.
- Amsel, E., Cottrell, J., Sullivan, J., & Bowden, T. (2005). Anticipating and avoiding regret as a model of adolescent decision-making. In J. Jacobs & P. Klaczynski (Eds.), *The development of judgment and decision-making in children and adolescence* (pp. 119–154). Mahwah, NJ: Erlbaum.
- Anderson, R.N., & Smith, B.L. (2003). Deaths: Leading causes for 2001. *National Vital Statistics Report, 52*(9), 1–86.
- Arkes, H.R., & Ayton, P. (1999). The sunk cost and Concorde effects: Are humans less rational than lower animals? *Psychological Bulletin, 125*, 591–600.
- Armitage, C.J., & Conner, M. (2001). Efficacy of the theory of planned behavior: A meta-analytic review. *British Journal of Social Psychology, 40*, 471–499.
- Arnett, J.J. (2000). Optimistic bias in adolescent and adult smokers and nonsmokers. *Addictive Behaviors, 25*, 625–632.
- Bachanas, P.J., Morris, M.K., Lewis-Gess, J.K., Sarett-Cuasay, E.J., Flores, A.L., Sirl, K.S., & Sawyer, M.K. (2002). Psychological adjustment, substance use, HIV knowledge, and risky sexual behavior in at-risk minority females: Developmental differences during adolescence. *Journal of Pediatric Psychology, 27*, 373–384.
- Baird, A.A., & Fugelsang, J.A. (2004). The emergence of consequential thought: Evidence from neuroscience. *Philosophical Transactions of the Royal Society of London, Series B: Biological Sciences, 359*, 1797–1804.
- Baron, J. (2003). *Thinking and deciding*. Cambridge, England: Cambridge University Press.
- Baron, J., & Brown, R.V. (1991). *Teaching decision making to adolescents*. Hillsdale, NJ: Erlbaum.
- Baumeister, R.F. (2005). *The cultural animal: Human nature, meaning, and social life*. New York: Oxford University Press.
- Bechara, A., Damasio, A., & Damasio, H. (2000). Emotion, decision making, and the orbitofrontal cortex. *Cerebral Cortex, 10*, 295–307.
- Bechara, A., Damasio, A., Damasio, H., & Anderson, S. (1994). Insensitivity to future consequences following damage to human prefrontal cortex. *Cognition, 50*, 7–15.
- Becker, M.H. (1990). Theoretical models of adherence and strategies for improving adherence. In S.A. Shumaker, E.B. Schron, J.K. Ockene, C.T. Parker, J.L. Probstfield, & J.M. Wille (Eds.), *Handbook of behavior change*. New York: Springer.
- Bell, D.E., Raiffa, H., & Tversky, A. (1988). *Decision making: Descriptive, normative, and prescriptive interactions*. Cambridge, England: Cambridge University Press.
- Benthin, A., Slovic, P., & Severson, H. (1993). A psychometric study of adolescent risk perception. *Journal of Adolescence, 16*, 153–168.
- Ben-Zur, H., & Reshef-Kfir, Y. (2003). Risk taking and coping strategies among Israeli adolescents. *Journal of Adolescence, 26*, 255–265.
- Bernstein, E., & Woodall, W.G. (1987). Changing perspectives of riskiness in drinking, drugs and driving: An emergency department based alcohol and substance abuse prevention program. *Annals of Emergency Medicine, 16*, 1350–1354.
- Beyth-Marom, R., Austin, L., Fischhoff, B., Palmgren, C., & Jacobs-Quadrel, M.J. (1993). Perceived consequences of risky behaviors: Adults and adolescents. *Developmental Psychology, 29*, 549–563.
- Beyth-Marom, R., Fischhoff, B., Quadrel, M.J., & Furby, L. (1991). Teaching decision making to adolescents: A critical review. In J. Baron & R.V. Brown (Eds.), *Teaching decision making to adolescents* (pp. 19–59). Hillsdale, NJ: Erlbaum.
- Bonnie, R.J., & O'Connell, M.E. (2004). *Reducing underage drinking: A collective responsibility*. Washington, DC: National Academies Press.
- Boone, T.L., Lefkowitz, E.S., Romo, L., Corona, R., Sigman, M., & Kit-Fong Au, T. (2003). Mothers' and adolescents' perceptions of AIDS vulnerability. *International Journal of Behavioral Development, 27*, 347–354.
- Brainerd, C.J. (1981). Working memory and the developmental analysis of probability judgment. *Psychological Review, 88*, 463–502.
- Brainerd, C.J., & Reyna, V.F. (2005). *The science of false memory*. New York: Oxford University Press.
- Brainerd, C.J., Reyna, V.F., & Mojardin, A.H. (1999). Conjoint recognition. *Psychological Review, 106*, 160–179.
- Breiner, M.J., Stritzke, W.G.K., & Lang, A.R. (1999). Approaching avoidance: A step essential to the understanding of craving. *Alcohol Research and Health, 23*, 197–206.
- Brewer, N.T., Chapman, G.B., Gibbons, F.X., Gerard, M., McCaul, K.D., & Weinstein, N.D. (in press). A meta-analysis of the relationship between risk perception and health behavior: The example of vaccination. *Health Psychology*.
- Brewer, N.T., Weinstein, N.D., Cuite, C.L., & Herrington, J. (2004). Risk perceptions and their relation to risk behavior. *Annals of Behavioral Medicine, 27*, 125–130.
- Brown, L., DiClemente, R., & Park, T. (1992). Predictors of condom use in sexually active adolescents. *Journal of Adolescent Health, 13*, 651–657.
- Brynin, M. (1999). Smoking behaviour: Predisposition or adaptation? *Journal of Adolescence, 22*, 635–646.
- Busemeyer, J.R., & Stout, J.C. (2002). A contribution of cognitive decision models to clinical assessment: Decomposing performance on the Bechara gambling task. *Psychological Assessment, 14*, 253–262.
- Busemeyer, J.R., Stout, J.C., & Finn, P. (in press). Using computational models to help explain decision making processes of substance

- abusers. In D. Barch (Ed.), *Cognitive and affective neuroscience of psychopathology*. New York: Oxford University Press.
- Byrnes, J.P. (1998). *The nature and development of decision making: A self-regulation model*. Mahwah, NJ: Erlbaum.
- Caffray, C.M., & Schneider, S.L. (2000). Why do they do it? Affective motivators in adolescents' decisions to participate in risk behaviours. *Cognition & Emotion, 14*, 543–576.
- Cardinal, R., & Howes (2005). Effects of lesions of the nucleus accumbens core on choice between small certain rewards and large uncertain rewards in rats. *BMC Neuroscience, 6*, 37. Retrieved June 6, 2006, from <http://www.biomedcentral.com/1471-2202/6/37>
- Centers for Disease Control and Prevention. (2004). Youth Risk Behavior Surveillance—United States, 2003. *Morbidity and Mortality Weekly Report, 53*(SS02), 1–96.
- Chaiken, S., & Trope, Y. (1999). *Dual-process theories in social psychology*. New York: Guilford.
- Chambers, R.A., & Potenza, M.N. (2003). Neurodevelopment, impulsivity, and adolescent gambling. *Journal of Gambling Studies, 19*, 53–84.
- Chambers, R.A., Taylor, J.R., & Potenza, M.N. (2003). Developmental neurocircuitry of motivation in adolescence: A critical period of addiction vulnerability. *American Journal of Psychiatry, 160*, 1041–1052.
- Chambers, J.R., & Windschitl, P.D. (2004). Biases in social comparative judgments: The role of nonmotivated factors in above-average and comparative-optimism effects. *Psychological Bulletin, 130*, 813–838.
- Chapin, J.R. (2000). Third-person perception and optimistic bias among urban minority at-risk youth. *Communication Research, 27*, 51–81.
- Chapin, J.R. (2001a). It won't happen to me: The role of optimistic bias in African American teens' risky sexual practices. *Howard Journal of Communications, 12*, 49–59.
- Chapin, J.R. (2001b). Self-protective pessimism: Optimistic bias in reverse. *North American Journal of Psychology, 3*, 253–261.
- Chassin, L., Pillow, D.R., Curran, P.J., Molina, B.S., & Barrera, M. (1993). Relation of parental alcoholism to early adolescent substance use: A test of three mediating mechanisms. *Journal of Abnormal Psychology, 102*, 3–19.
- Chassin, L., Presson, C.C., Rose, J.S., & Sherman, S.J. (2001). From adolescence to adulthood: Age-related changes in beliefs about cigarette smoking in a Midwestern community sample. *Health Psychology, 20*, 377–386.
- Cloninger, C.R., Svrakic, D.M., & Przybeck, T.R. (1993). A psychobiological model of temperament and character. *Archives of General Psychiatry, 50*, 975–990.
- Cohn, L.D., Macfarlane, S., Yanez, C., & Imai, W.K. (1995). Risk-perception: Differences between adolescents and adults. *Health Psychology, 14*, 217–222.
- Conner, M., & Sparks, P. (1996). The theory of planned behaviour and health behaviours. In M. Conner & P. Norman (Eds.), *Predicting health behaviour: Research and practice with social cognition models* (pp. 121–162). Buckingham, UK: Open University Press.
- Cooper, M.L., Agocha, V.B., & Sheldon, M.S. (2000). A motivational perspective on risky behaviors: The role of personality and affect regulatory process. *Journal of Personality, 68*, 1059–1088.
- Crawford, A.M., Pentz, M.A., Chou, C., Li, C., & Dwyer, J.H. (2003). Parallel developmental trajectories of sensation seeking and regular substance use in adolescents. *Psychology of Addictive Behaviors, 17*, 179–192.
- Crisp, B.R., & Barber, J.G. (1995). The effect of locus of control on the association between risk perception and sexual risk-taking. *Personality & Individual Differences, 19*, 841–845.
- Crone, E.A., & van der Molen, M.W. (2004). Developmental changes in real life decision-making: Performance on a gambling task previously shown to depend on the ventromedial prefrontal cortex. *Developmental Neuropsychology, 25*, 251–279.
- Crone, E.A., Vendel, I., & van der Molen, M.W. (2003). Decision-making in disinhibited adolescents and adults: Insensitivity to future consequences or driven by immediate reward? *Personality and Individual Differences, 34*, 1–17.
- Crosby, R.A., DiClemente, R.J., Wingood, G.M., Sionean, C., Cobb, B.K., Harrington, K., Davies, S.L., Hook, E.W., & Oh, M.K. (2001). Correlates of using dual methods for sexually transmitted diseases and pregnancy prevention among high-risk African-American female teens. *Journal of Adolescent Health, 28*, 410–414.
- Cvetkovich, G., & Grote, B. (1983). Adolescent development and teenage fertility. In D. Byrne & W.A. Fisher (Eds.), *Adolescents, sex and contraception* (pp. 109–123). Hillsdale, NJ: Erlbaum.
- Dahl, R.E., & Spear, L.P. (2004). *Adolescent brain development: Vulnerabilities and opportunities*. New York: New York Academy of Sciences.
- Davidson, D. (1991). Children's decision-making examined with an information-board procedure. *Cognitive Development, 6*, 77–90.
- Davidson, D. (1995). The representativeness heuristic and the conjunction fallacy effect in children's decision making. *Merrill-Palmer Quarterly, 41*, 328–346.
- Dawes, R.M. (1979). The robust beauty of improper linear models. *American Psychologist, 34*, 571–582.
- Dawes, R.M., & Corrigan, B. (1974). Linear models in decision making. *Psychological Bulletin, 81*, 95–106.
- Dempster, F.N. (1992). The rise and fall of the inhibitory mechanism: Toward a unified theory of cognitive development and aging. *Developmental Review, 12*, 45–75.
- Dijksterhuis, A., Bos, M.W., Nordgren, L.F., & van Baaren, R.B. (2006). On making the right choice: The deliberation-without-attention effect. *Science, 311*, 1005–1007.
- Doherty, M.E. (2003). Optimists, pessimists, and realists. In S.L. Schnieder & J. Shanteau (Eds.), *Emerging perspectives on judgment and decision research* (pp. 643–679). New York: Cambridge University Press.
- Downey, A.M., & O'Rourke, T.W. (1976). The utilization of attitudes and beliefs as indicators of future smoking behavior. *Journal of Drug Education, 6*, 283–295.
- Downs, J.S., Bruine de Bruin, W., Murray, P.J., & Fischhoff, B. (2004). When "it only takes once" fails: Perceived infertility predicts condom use and STI acquisition. *Journal of Pediatric and Adolescent Gynecology, 17*, 224.
- Dudley, C., O'Sullivan, L.F., & Moreau, D. (2002). Does familiarity breed complacency? HIV knowledge, personal contact and sexual risk behavior of psychiatrically referred Latino adolescent girls. *Hispanic Journal of Behavioral Sciences, 24*, 353–368.
- Edwards, W. (1954). The theory of decision making. *Psychological Bulletin, 51*, 380–417.
- Elkind, D. (1967). Egocentrism in adolescence. *Child Development, 38*, 1025–1034.
- Ellen, J.M., Boyer, C.B., Tschann, J.M., & Shafer, M. (1996). Adolescents' perceived risk for STDs and HIV infection. *Journal of Adolescent Health, 18*, 177–181.

- Epstein, S. (1994). Integration of the cognitive and psychodynamic unconscious. *American Psychologist*, *49*, 709–724.
- Eysenck, H.J. (1967). *The biological basis of personality*. Springfield, IL: Charles C. Thomas.
- Falmagne, R.J. (1975). *Reasoning: Representation and process in children and adults*. Hillsdale, NJ: Erlbaum.
- Farley, F. (1996). From the heart. *American Psychologist*, *51*, 772–776.
- Farley, F. (2001). A genetic model of creativity and the Type T personality complex with educational implications. In M.D. Lynch & C.R. Harris (Eds.), *Fostering creativity in children K-8* (pp. 71–77). Needham Heights, MA: Allyn and Bacon.
- Fergusson, D.M., & Lynskey, M.T. (1996). Alcohol misuse and adolescent sexual behaviors and risk taking. *Pediatrics*, *98*, 91–96.
- Finucane, M.L., Peters, E., & Slovic, P. (2003). Judgment and decision making: The dance of affect and reason. In S.L. Schneider & J. Shanteau (Eds.), *Emerging perspectives on judgment and decision research* (pp. 327–364). New York: Cambridge University Press.
- Fischbein, E. (1975). *The intuitive sources of probabilistic thinking in children*. Dordrecht: D. Reidel Co.
- Fischhoff, B. (2005). Development of and in behavioral decision research. In J.E. Jacobs & P. Klaczynski (Eds.), *The development of judgment and decision making in children and adults*. Mahwah, NJ: Erlbaum.
- Fischhoff, B., Parker, A.M., Bruine de Bruin, W., Downs, J., Palmgren, C., Dawes, R., & Manski, C.F. (2000). Teen expectations for significant life events. *Public Opinion Quarterly*, *64*, 189–205.
- Fischhoff, B., & Quadrel, M. (1991). Adolescent alcohol decisions. *Alcohol Health and Research World*, *15*, 43–51.
- Fischhoff, B., Slovic, P., & Lichtenstein, S. (1978). Fault trees: Sensitivity of assessed failure probabilities to problem representation. *Journal of Experimental Psychology: Human*, *4*, 330–344.
- Fishbein, M. (2003). Toward an understanding of the role of perceived risk in HIV prevention research. In D. Romer (Ed.), *Reducing adolescent risk: Toward an integrated approach*. Thousand Oaks, CA: Sage.
- Fishbein, M., & Ajzen, I. (1975). *Belief, attitude, intention and behavior: An introduction to theory and research*. Reading, MA: Addison-Wesley.
- Fisher, W.A., Fisher, J.D., & Rye, B.J. (1995). Understanding and promoting AIDS-preventive behavior: Insights from the theory of reasoned action. *Health Psychology*, *14*, 255–264.
- Floyd, D.L., Prentice-Dunn, S., & Rogers, R.W. (2000). A meta-analysis of research on protection motivation theory. *Journal of Applied Social Psychology*, *30*, 407–429.
- Foreit, J.R., & Foreit, K.G. (1981). Risk-taking and contraceptive behavior among unmarried college students. *Population and Environment*, *4*, 174–188.
- Frank, M.J., & Claus, E.D. (2006). Anatomy of a decision: Striato-orbitofrontal interactions in reinforcement learning, decision making, and reversal. *Psychological Review*, *113*, 300–326.
- Fromme, K., Katz, E.C., & Rivet, K. (1997). Outcome expectancies and risk-taking behavior. *Cognitive Therapy & Research*, *21*, 421–442.
- Furby, L., & Beyth-Marom, R. (1992). Risk taking in adolescence: A decision-making perspective. *Developmental Review*, *12*, 1–44.
- Galvan, A., Hare, T.A., Parra, C.E., Penn, J., Voss, H., Glover, G., & Casey, B.J. (2006). Earlier development of the accumbens relative to orbitofrontal cortex might underlie risk-taking behavior in adolescents. *Journal of Neuroscience*, *26*, 6885–6892.
- Gardner, M., & Steinberg, L. (2005). Peer influence on risk taking, risk preference, and risky decision making in adolescence and adulthood: An experimental study. *Developmental Psychology*, *41*, 625–635.
- Garon, N., & Moore, C. (2004). Complex decision-making in early childhood. *Brain and Cognition*, *55*, 158–170.
- Geary, D.C. (2005). *The origin of mind: Evolution of brain, cognition, and general intelligence*. Washington, DC: American Psychological Association.
- Gerrard, M., Gibbons, F.X., Benthin, A.C., & Hessling, R.M. (1996). A longitudinal study of the reciprocal nature of risk behaviors and cognitions in adolescents: What you do shapes what you think and vice versa. *Health Psychology*, *15*, 344–354.
- Gerrard, M., Gibbons, F.X., Brody, G.H., Murry, V.M., Cleveland, M.J., & Wills, T.A. (in press). A theory-based dual focus alcohol intervention for pre-adolescents: The strong African-American families program. *Journal of Addictive Behavior*.
- Gibbons, F.X., Gerrard, M., Blanton, H., & Russell, D.W. (1998). Reasoned action and social reaction: Willingness and intention as independent predictors of health risk. *Journal of Personality and Social Psychology*, *74*, 1164–1181.
- Gibbons, F.X., Gerrard, M., & Lane, D.J. (2003). A social reaction model of adolescent health risk. In J. Suls, & K.A. Wallston (Eds.), *Social psychological foundations of health and illness. Blackwell series in health psychology and behavioral medicine* (pp. 107–136). Malden, MA: Blackwell.
- Gibbons, F.X., Gerrard, M., Vande Lune, L.S., Wills, T.A., Brody, G., & Conger, R.D. (2004). Context and cognitions: Environmental risk, social influence, and adolescent substance use. *Personality and Social Psychology Bulletin*, *30*, 1048–1061.
- Gigerenzer, G., & Regier, T. (1996). How do we tell an association from a rule? Comment on Sloman (1996). *Psychological Bulletin*, *119*, 23–26.
- Gigerenzer, G., & Selten, R. (2001). *Bounded rationality: The adaptive toolbox*. Cambridge, MA: MIT Press.
- Gigerenzer, G., Todd, P.M., & the ABC Group (1999). *Simple heuristics that make us smart*. New York: Oxford University Press.
- Gilovich, T., Griffin, D.W., & Kahneman, D. (2002). *Heuristic and biases: The psychology of intuitive judgment*. New York: Cambridge University Press.
- Gilpin, E.A., & Pierce, J.P. (2003). Concurrent use of tobacco products by California adolescents. *Preventive Medicine*, *36*, 575–584.
- Goldberg, J.H., Halpern-Felsher, B.L., & Millstein, S.G. (2002). Beyond invulnerability: The importance of benefits in adolescents' decision to drink alcohol. *Health Psychology*, *21*, 477–484.
- Gottfredson, M.R., & Hirschi, T. (1990). *A general theory of crime*. Stanford, CA: Stanford University Press.
- Greenberg, M.T., Domitrovich, C., & Bumbarger, B. (2000). The prevention of mental disorders in school-aged children: Current state of the field. *Prevention and Treatment*, *4*(1), Article 0001a. Retrieved June 6, 2006, from <http://journals.apa.org/prevention/volume4/pre0040001a.html>.
- Greenberg, M.T., Kusche, C.A., Cook, E.T., & Quamma, J.P. (1995). Promoting emotional competence in school-aged children: The effects of the PATHS curriculum. *Development and Psychology*, *7*, 117–136.
- Greening, L., & Stoppelbein, L. (2000). Young drivers' health attitudes and intentions to drink and drive. *Journal of Adolescent Health*, *27*, 94–101.
- Grisso, T., Steinberg, L., Woolard, J., Cauffman, E., Scott, E., Graham, S., Lexcen, F., Reppucci, N.D., & Schwartz, R. (2003). Juveniles' competence to stand trial: A comparison of adolescents' and

- adults' capacities as trial defendants. *Law and Human Behavior*, 27, 333–363.
- Grube, J. (2005, May). *Youth drinking rates and problems: A comparison of European countries and the United States*. Washington, DC: U.S. Department of Justice, Office of Justice Programs, Office of Juvenile Justice and Delinquency Prevention.
- Gullone, E., & Moore, S. (2000). Adolescent risk-taking and the five-factor model of personality. *Journal of Adolescence*, 23, 393–407.
- Haines, B.A., & Moore, C. (2003). Integrating themes from cognitive and social cognitive development into the study of judgment and decision making. In S.L. Schneider & J. Shanteau (Eds.), *Emerging perspectives on judgment and decision research* (pp. 246–286). New York: Cambridge University Press.
- Halpern-Felsher, B.L., Biehl, M., Kropp, R.Y., & Rubinstein, M.L. (2004). Perceived risks and benefits of smoking: Differences among adolescents with different smoking experiences and intentions. *Preventive Medicine*, 39, 559–567.
- Halpern-Felsher, B.L., & Cauffman, E. (2001). Costs and benefits of a decision: Decision-making competence in adolescents and adults. *Journal of Applied Developmental Psychology*, 22, 257–273.
- Halpern-Felsher, B.L., Millstein, S.G., Ellen, J.M., Adler, N., Tschann, J., & Biehl, M. (2001). The role of behavioral experience in judging risks. *Health Psychology*, 20, 120–126.
- Harman, G. (1986). *Change in view*. Cambridge, MA: MIT Press.
- Hemmelstein, N. (1995). Adolescent marijuana use and perception of risk. *Journal of Alcohol & Drug Education*, 41, 1–15.
- Herrnstein, R.J., & Prelec, D. (1992). A theory of addiction. In G. Loewenstein & J. Elster (Eds.), *Choice over time* (pp. 331–361). New York: Russell Sage Press.
- Hertwig, R., Barron, G., Weber, E.U., & Erev, I. (2004). Decisions from experience and the effect of rare events in risky choice. *Psychological Science*, 15, 534–539.
- Hoemann, H.W., & Ross, B.M. (1982). Children's concepts of chance and probability. In C.J. Brainerd (Ed.), *Children's logical and mathematical cognition* (pp. 95–121). New York: Springer-Verlag.
- Hooper, C.J., Luciana, M., Conklin, H.M., & Yarger, R.S. (2004). Adolescents' performance on the Iowa Gambling Task: Implications for the development of decision-making and ventromedial prefrontal cortex. *Developmental Psychology*, 40, 1148–1158.
- Horvath, P., & Zuckerman, M. (1993). Sensation seeking, risk appraisal, and risky behavior. *Personality and Individual Differences*, 14, 41–52.
- Huba, G.J., Wingard, J.A., & Bentler, P.M. (1979). Beginning adolescent drug use and peer-adult interaction patterns. *Journal of Consulting and Clinical Psychology*, 47, 265–276.
- Huber, B.L., & Huber, O. (1987). Development of the concepts of comparative subjective probability. *Journal of Experimental Child Psychology*, 44, 304–316.
- Inhelder, B., Sinclair, H., & Bovet, M. (1974). *Learning and the development of cognition*. Cambridge, MA: Harvard University Press.
- Isen, A.M., & Labroo, A.A. (2003). Some ways in which positive affect facilitates decision making and judgment. In S. Schneider & J. Shanteau (Eds.), *Emerging perspectives on judgment and decision research* (pp. 365–393). NY, Cambridge.
- Jacobs, J.E., & Klaczynski, P.A. (2002). The development of judgment and decision-making during childhood and adolescence. *Current Directions in Psychological Science*, 11, 145–149.
- Jacobs, J.E., & Klaczynski, P.A. (2005). *The development of judgment and decision making in children and adolescents*. Mahwah, NJ: Erlbaum.
- Jacobs, J.E., & Potenza, M. (1991). The use of judgment heuristics to make social and object decisions: A developmental perspective. *Child Development*, 62, 166–178.
- Janz, N.K., & Becker, M.H. (1984). The health belief model: A decade later. *Health Education Quarterly*, 11, 1–47.
- Johnson, R.J., McCaul, K.D., & Klein, W.M.P. (2002). Risk involvement and risk perception among adolescents and young adults. *Journal of Behavioral Medicine*, 25, 67–82.
- Johnston, L.D., O'Malley, P.M., Bachman, J.G., & Schulenberg, J.E. (2004). *Monitoring the Future national survey results on drug use, 1975–2003: Volume I, Secondary school students* (NIH Publication No. 04-5507). Bethesda, MD: National Institute on Drug Abuse.
- Kahneman, D. (2003). A perspective on judgment and choice: Mapping bounded rationality. *American Psychologist*, 58, 697–720.
- Katz, E.C., Fromme, K., & D'Amico, E.J. (2000). Effects of outcome expectancies and personality on young adults' illicit drug use, heavy drinking, and risky sexual behavior. *Cognitive Therapy & Research*, 24, 1–22.
- Keating, D.P. (1980). Thinking processes in adolescence. In J. Adelson (Ed.), *Handbook of adolescent psychology*. New York: Wiley.
- Kerkman, D.D., & Wright, J.C. (1988). An exegesis of two theories of compensational development: Sequential decision theory and information integration theory. *Developmental Review*, 8, 323–360.
- Kerr, A., & Zelazo, P.D. (2004). Development of “hot” executive function: The Children's Gambling Task. *Brain & Cognition*, 55, 148–157.
- Kershaw, T.S., Ethier, K.A., Niccolai, L.M., Lewis, J.B., & Ickovics, J.R. (2003). Misperceived risk among female adolescents: Social and psychological factors associated with sexual risk accuracy. *Health Psychology*, 22, 523–532.
- Kershaw, T.S., Niccolai, L.M., Ethier, K.A., Lewis, J.B., & Ickovics, J.R. (2003). Perceived susceptibility to pregnancy and sexually transmitted disease among pregnant and nonpregnant adolescents. *Journal of Community Psychology*, 31, 419–434.
- Kirby, D. (2001). Understanding what works and what doesn't work in reducing adolescent sexual risk-taking [electronic version]. *Family Planning Perspectives*, 33, 276–281.
- Klaczynski, P.A. (2001). Analytic and heuristic processing influences on adolescent reasoning and decision-making. *Child Development*, 72, 844–861.
- Klaczynski, P. (2005). Metacognition and cognitive variability: A dual-process model of decision making and its development. In J. Jacobs & P. Klaczynski (Eds.) *The development of judgment and decision making in children and adolescents* (pp. 39–76). Mahwah, NJ: Erlbaum.
- Klaczynski, P.A., & Cottrell, J.M. (2004). A dual-process approach to cognitive development: The case of children's understanding of sunk cost decisions. *Thinking and Reasoning*, 10, 147–174.
- Klaczynski, P.A., & Narasimham, G. (1998). Problem representations as mediators of adolescent deductive reasoning. *Developmental Psychology*, 34, 865–881.
- Klayman, J. (1985). Children's decision strategies and their adaptation to task characteristics. *Organizational Behavior & Human Decision Processes*, 35, 179–201.
- Kotchick, B.A., Shaffer, A., Forehand, R., & Miller, K.S. (2001). Adolescent sexual risk behavior: A multi-system perspective. *Clinical Psychology Review*, 21, 493–519.
- Lahey, B.B., Gordon, R.A., Loeber, R., Stouthamer-Loeber, M., & Farrington, D.P. (1999). Boys who join gangs: A prospective study of predictors of first gang entry. *Journal of Abnormal Child Psychology*, 27, 261–276.

- Lahti, J., Rääkkönen, K., Ekelund, J., Peltonen, L., Raitakari, O.T., & Keltikangas-Järvinen, L. (2006). Socio-demographic characteristics moderate the association between DRD4 and novelty seeking. *Personality and Individual Differences, 40*, 533–543.
- Lee, C., Su, Y., & Hazard, B.P. (1998). The contingent effects of risk perception on risk-taking behavior: Adolescent participative orientation and marijuana use. *Journal of Youth & Adolescence, 27*, 17–27.
- Levin, I., & Hart, S. (2003). Risk preferences in young children: Early evidence of individual differences in reaction to potential gains and losses. *Journal of Behavioral Decision Making, 16*, 397–413.
- Lloyd, F.J., & Reyna, V.F. (2001). A Web exercise in evidence-based medicine using cognitive theory. *Journal of General Internal Medicine, 16*, 94–99.
- Loewenstein, G. (1996). Out of control: Visceral influences on behavior. *Organizational Behavior and Human Decision Processes, 65*, 272–292.
- Loewenstein, G., & Elster, J. (1992). *Choice over time*. New York: Russell Sage Foundation.
- Loewenstein, G., & Schkade, D. (1999). Wouldn't it be nice? Predicting future feelings. In D. Kahneman & E. Diener (Eds.), *Well-being: The foundations of hedonic psychology* (pp. 85–105). New York: Russell Sage Foundation.
- Loewenstein, G.F., Weber, E.U., Hsee, C.K., & Welch, E.S. (2001). Risk as feelings. *Psychological Bulletin, 127*, 267–286.
- Lundborg, P., & Lindgren, B. (2002). Risk perceptions and alcohol consumption among young people. *Journal of Risk and Uncertainty, 25*, 165–183.
- Lynch, M.E., Coles, C.D., Corley, T., & Falek, A. (2003). Examining delinquency in adolescents differentially prenatally exposed to alcohol: The role of proximal and distal risk factors. *Journal of Studies on Alcohol, 64*, 678–686.
- March, J.G. (1988). Bounded rationality, ambiguity, and the engineering of choice. In D.E. Bell, H. Raiffa, & A. Tversky (Eds.), *Decision making: Descriptive, normative and prescriptive interactions* (pp. 33–58). Cambridge: Cambridge University Press.
- Markovits, H., & Dumas, C. (1999). Developmental patterns in the understanding of social and physical transitivity. *Journal of Experimental Child Psychology, 73*, 95–114.
- Maynard, R.A. (1997). *Kids having kids: Economic costs and social consequences of teen pregnancy*. Washington, DC: Urban Institute Press.
- McCaul, K.D., Sandgren, A.K., O'Neill, H.K., & Hinsz, V.B. (1993). The value of the theory of planned behavior, perceived control, and self-efficacy expectations for predicting health-protective behaviors. *Basic and Applied Social Psychology, 14*, 231–252.
- McIntyre, S., & West, P. (1992). What does the phrase “safer sex” mean to you? Understanding among Glaswegian 18 year olds in 1990. *AIDS, 7*, 121–126.
- Mellers, B.A. (2000). Choice and the relative pleasure of consequences. *Psychological Bulletin, 126*, 910–924.
- Menard, S. (2002, February). *Short- and long-term consequences of adolescent victimization. Youth Violence Research Bulletin*. Washington, DC: Office of Juvenile Justice and Delinquency Prevention and the Centers for Disease Control and Prevention.
- Metcalfe, J., & Mischel, W. (1999). A hot/cool system analysis of delay of gratification: Dynamics of willpower. *Psychological Review, 106*, 3–19.
- Milam, J.E., Sussman, S., Ritt-Olson, A., & Dent, C.W. (2000). Perceived invulnerability and cigarette smoking among adolescents. *Addictive Behaviors, 25*, 71–80.
- Millstein, S.G. (1993). Perceptual, attributional, and affective process in perceptions of vulnerability through the life span. In N.J. Bell & R.W. Bell (Eds.), *Adolescent risk taking* (pp. 55–65). Thousand Oaks, CA: Sage Publications.
- Millstein, S.G., & Halpern-Felsher, B.L. (2002a). Judgments about risk and perceived invulnerability in adolescents and young adults. *Journal of Research on Adolescence, 12*, 399–423.
- Millstein, S.G., & Halpern-Felsher, B.L. (2002b). Perceptions of risk and vulnerability. *Journal of Adolescent Health, 31*, 10–27.
- Millstein, S.G., & Igra, V. (1995). Theoretical models of adolescent risk-taking behavior. In S.E. Wallander & L. Siegel (Eds.), *Adolescent health problems: Behavioral perspectives* (pp. 52–71). New York: Guilford Press.
- Milne, S., Sheeran, P., & Orbell, S. (2000). Prediction and intervention in health-related behavior: A meta-analytic review of protection motivation theory. *Journal of Applied Social Psychology, 30*, 106–143.
- Moffitt, T.E. (1993). Adolescence-limited and life-course-persistent antisocial behavior: A developmental taxonomy. *Psychological Review, 100*, 674–701.
- Moffitt, T.E. (2003). Life-course persistent and adolescence-limited antisocial behavior. In B.B. Lahey, T.E. Moffitt, & A. Caspi (Eds.), *Causes of conduct disorder and juvenile delinquency* (pp. 49–75). New York: Guilford.
- Moffitt, T.E. (2005). The new look of behavioral genetics in developmental psychopathology: Gene–environment interplay in antisocial behaviors. *Psychological Bulletin, 131*, 533–554.
- Moore, C.F., Dixon, J.A., & Haines, B.A. (1991). Components of understanding in proportional reasoning: A fuzzy set representation of developmental progressions. *Child Development, 62*, 441–459.
- Morojele, N.K., & Stephenson, G.M. (1994). *Evaluation of the PROMIS Recovery Centre*. Canterbury, England: University of Kent.
- Moshman, D. (2004). From inference to reasoning: The construction of rationality. *Thinking and Reasoning, 10*, 221–239.
- Murphy, D.A., Rotheram-Borus, M.J., & Reid, H.M. (1998). Adolescent gender differences in HIV-related sexual risk acts, social-cognitive factors and behavioral skills. *Journal of Adolescence, 21*, 197–208.
- Namerow, P.B., Lawton, A.I., & Philliber, S.G. (1987). Teenagers' perceived and actual probabilities of pregnancy. *Adolescence, 22*, 475–485.
- National Center for Statistics and Analysis (2003). *Traffic safety facts—2003*. Washington, DC: National Highway Transportation and Safety Administration, U.S. Department of Transportation.
- National Research Council and Institute of Medicine. (2001). *Juvenile Crime, Juvenile Justice*. (J. McCord, C.S. Widom, & N.A. Crowell Eds.). Washington, DC: National Academy Press.
- Nisbett, R.E., & Ross, L. (1980). *Human inference: Strategies and shortcomings of social judgment*. Englewood Cliffs, NJ: Prentice-Hall.
- Nygaard, P., Waiters, E.D., Grube, J.W., & Keefe, D. (2003). Why do they do it? A qualitative study of adolescent drinking and driving. *Substance Use & Misuse, 38*, 835–863.
- Overton, W.F. (1990). *Reasoning, necessity, and logic: Developmental perspectives*. Hillsdale, NJ: Erlbaum.
- Overton, W.F., & Byrnes, J. (1991). Cognitive development. In R. Lerner, A. Petersen, & J. Brooks-Gunn (Eds.), *The encyclopedia of adolescence*. New York: Garland pp. 151–156.
- Parker, A.M., & Fischhoff, B. (2005). Decision-making competence: External validation through an individual-differences approach. *Journal of Behavioral Decision Making, 18*, 1–27.

- Parsons, J., Halkitis, P., Bimbi, D., & Borkowski, T. (2000). Perceptions of the benefits and costs associated with condom use and unprotected sex among late adolescent college students. *Journal of Adolescence, 23*, 377–391.
- Parsons, J.T., Siegel, A.W., & Cousins, J.H. (1997). Late adolescent risk-taking: Effects of perceived benefits and perceived risks on behavioral intentions and behavioral change. *Journal of Adolescence, 20*, 381–392.
- Payne, J.W., Bettman, J., & Johnson, E.J. (1993). *The adaptive decision maker*. Cambridge: Cambridge University Press.
- Peters, E., & Slovic, P. (2000). The springs of action: Affective and analytical information processing in choice. *Personality and Social Psychological Bulletin, 26*, 1465–1475.
- Quadrel, M.J. (1990). *Elicitation of adolescents' risk perceptions: Qualitative and quantitative dimensions*. Unpublished doctoral dissertation, Carnegie Mellon University.
- Quadrel, M.J., Fischhoff, B., & Davis, W. (1993). Adolescent (in)vulnerability. *American Psychologist, 48*, 102–116.
- Quine, W.V.O. (1964). *Word and object*. Cambridge, MA: MIT Press.
- Rachlin, H. (2000). *The science of self-control*. Cambridge, MA: Harvard University Press.
- Resnicow, K., Smith, M., Harrison, L., & Drucker, E. (1999). Correlates of occasional cigarette and marijuana use: Are teens harm reducing? *Addictive Behaviors, 24*, 251–266.
- Reyna, V.F. (1991). Class inclusion, the conjunction fallacy, and other cognitive illusions. *Developmental Review, 11*, 317–336.
- Reyna, V.F. (1995). Interference effects in memory and reasoning: A fuzzy-trace theory analysis. In F.N. Dempster & C.J. Brainerd (Eds.), *Interference and inhibition in cognition* (pp. 29–59). San Diego, CA: Academic Press.
- Reyna, V.F. (1996). Conceptions of memory development with implications for reasoning and decision making. *Annals of Child Development, 12*, 87–118.
- Reyna, V. (2004a). How people make decisions that involve risk: A dual-processes approach. *Current Directions in Psychological Science, 13*, 60–66.
- Reyna, V.F. (2004b). Why scientific research? The importance of evidence in changing educational practice. In P. McCardle & V. Chhabra (Eds.), *The voice of evidence in reading research* (pp. 47–58). Baltimore, MD: Brookes Publishing.
- Reyna, V.F. (2005). Fuzzy-trace theory, judgment, and decision-making: A dual-processes approach. In C. Izawa & N. Ohta (Eds.), *Human learning and memory: Advances in theory and application – The 4th Tsukuba International Conference on Memory* (pp. 239–256). Mahwah, NJ: Erlbaum.
- Reyna, V.F., & Adam, M.B. (2003). Fuzzy-trace theory, risk communication, and product labeling in sexually transmitted diseases. *Risk Analysis, 23*, 325–342.
- Reyna, V.F., Adam, M.B., Poirier, K., LeCroy, C.W., & Brainerd, C.J. (2005). Risky decision-making in childhood and adolescence: A fuzzy-trace theory approach. In J. Jacobs & P. Klaczynski (Eds.), *The development of judgment and decision-making in children and adolescents* (pp. 77–106). Mahwah, NJ: Erlbaum.
- Reyna, V.F., & Brainerd, C.J. (1991a). Fuzzy-trace theory and children's acquisition of scientific and mathematical concepts. *Learning and Individual Differences, 3*, 27–60.
- Reyna, V.F., & Brainerd, C.J. (1991b). Fuzzy-trace theory and framing effects in choice: Gist extraction, truncation, and conversion. *Journal of Behavioral Decision Making, 4*, 249–262.
- Reyna, V.F., & Brainerd, C.J. (1994). The origins of probability judgment: A review of data and theories. In G. Wright & P. Ayton (Eds.), *Subjective probability* (pp. 239–272). New York: Wiley.
- Reyna, V.F., & Brainerd, C.J. (1995). Fuzzy-trace theory: An interim synthesis. *Learning and Individual Differences, 7*, 1–75.
- Reyna, V.F., & Ellis, S.C. (1994). Fuzzy-trace theory and framing effects in children's risky decision making. *Psychological Science, 5*, 275–279.
- Reyna, V.F., & Kiernan, B. (1994). The development of gist versus verbatim memory in sentence recognition: Effects of lexical familiarity, semantic content, encoding instruction, and retention interval. *Developmental Psychology, 30*, 178–191.
- Reyna, V.F., & Kiernan, B. (1995). Children's memory and metaphorical interpretation. *Metaphor and Symbolic Activity, 10*, 309–331.
- Reyna, V.F., & Lloyd, F.J. (in press). Physician decision making and cardiac risk: Effects of knowledge, risk perception, risk tolerance, and fuzzy processing. *Journal of Experimental Psychology: Applied*.
- Reyna, V.F., Lloyd, F.J., & Brainerd, C.J. (2003). Memory, development, and rationality: An integrative theory of judgment and decision making. In S.L. Schneider & J. Shanteau (Eds.), *Emerging perspectives on judgment and decision research* (pp. 201–245). New York: Cambridge University Press.
- Reyna, V.F., Lloyd, F., & Whalen, P. (2001). Genetic testing and medical decision-making. *Archives of Internal Medicine, 161*, 2406–2408.
- Reyna, V.F., & Mattson, S. (1994, November). *Risk and biases in decision making*. Paper presented at the 35th Annual Meeting of the Psychonomic Society, St. Louis, MO.
- Reyna, V.F., & Mills, B. (in press). Interference processes in fuzzy-trace theory: Aging, Alzheimer's disease, and development. In C. MacLeod & D. Gorfein (Eds.), *The place of inhibition in cognition*. Washington, DC: American Psychological Association.
- Reyna, V.F., Mills, B., Estrada, S., & Brainerd, C.J. (in press). False memory in children: Data, theory, and legal implications. In M. Toglia & D. Read (Eds.), *The handbook of eyewitness psychology: Memory for events*. Mahwah, NJ: Erlbaum.
- Rhodes, R.E., & Courneya, K.S. (2004). Differentiating motivation and control in the theory of planned behavior. *Psychology, Health & Medicine, 9*, 205–215.
- Rice, C.L. (1995). *The effects of outcome attractiveness and framing on children's risky decision making*. Unpublished masters thesis, University of Arizona, Tucson.
- Ritov, I., & Baron, J. (1995). Outcome knowledge, regret, and omission bias. *Organizational Behavior and Human Decision Processes, 64*, 119–127.
- Rogers, R.W. (1983). Cognitive and physiological processes in fear appeals and attitude change: A revised theory of protection motivation. In J.T. Cacioppo, R.E. Petty, & D. Shapiro (Eds.), *Social psychophysiology: A sourcebook* (pp. 153–176). New York: Guilford.
- Rolison, M.R., & Scherman, A. (2002). Factors influencing adolescents' decisions to engage in risk-taking behavior. *Adolescence, 37*, 585–596.
- Rolison, M.R., & Scherman, A. (2003). College student risk-taking from three perspectives. *Adolescence, 38*, 689–704.
- Romer, D. (2003). *Reducing adolescent risk: Toward an integrated approach*. Thousand Oaks, CA: Sage Publications.
- Romer, D., & Jamieson, P. (2001). Do adolescents appreciate the risks of smoking? Evidence from a national survey. *Journal of Adolescent Health, 29*, 12–21.
- Rosenberg, P.S., Biggar, R.J., & Goedert J.J. (1994). Declining age at HIV infection in the United States. *New England Journal of Medicine, 330*, 789–790.

- Rothman, A.J., Klein, W.M., & Weinstein, N.D. (1996). Absolute and relative biases about personal risk. *Journal of Applied Social Psychology, 26*, 1213–1236.
- Rottenstreich, Y., & Hsee, C.K. (2001). Money, kisses, and electric shocks: On the affective psychology of risk. *Psychological Science, 12*, 185–190.
- Savage, L.J. (1972). *The foundations of statistics*. London: Wiley.
- Schlottmann, A. (2000). Children's judgments of gambles: A disordinal violation of utility. *Journal of Behavioral Decision Making, 13*, 77–89.
- Schlottmann, A. (2001). Children's probability intuitions: Understanding the expected value of complex gambles. *Child Development, 72*, 108–122.
- Schlottmann, A., & Anderson, N.A. (1994). Children's judgment of expected value. *Developmental Psychology, 30*, 56–66.
- Schlottmann, A., & Tring, J. (2005). How children reason about gains and losses: Framing effects in judgement and choice. *Swiss Journal of Psychology, 64*, 153–171.
- Seiden, R.H. (1978, Winter). Where are they now? A follow-up study of suicide attempters from the Golden Gate Bridge. *Suicide and Life-Threatening Behavior, 8*, 1–13.
- Shapiro, R., Siegel, A.W., Scovill, L.C., & Hays, J. (1998). Risk-taking patterns of female adolescents: What they do and why. *Journal of Adolescence, 24*, 143–159.
- Shedler, J., & Block, J. (1990). Adolescent drug use and psychological health: A longitudinal inquiry. *American Psychologist, 45*, 612–630.
- Sheppard, B.H., Hartwick, J., & Warshaw, P.R. (1988). The theory of reasoned action: A meta-analysis of past research with recommendations for modifications and future research. *Journal of Consumer Research, 15*, 325–343.
- Shure, M.B. (2003). A problem-solving approach to preventing early high-risk behaviors in children and preteens. In D. Romer (Ed.), *Reducing adolescent risk: Toward an integrated approach*. Thousand Oaks, CA: Sage Publications.
- Siegler, R.S. (1991). *Children's thinking* (2nd ed.). Upper Saddle River, NJ: Prentice-Hall.
- Sloman, S.A. (2002). Two systems of reasoning. In T. Gilovich, D. Griffin, & D. Kahneman (Eds.), *Heuristics and biases* (pp. 379–396). New York: Cambridge University Press.
- Sloman, S.A., Over, D., Slovak, L., & Stibel, J.M. (2003). Frequency illusions and other fallacies. *Organizational Behavior and Human Decision Processes, 91*, 296–309.
- Slovic, P. (1998). Do adolescent smokers know the risk? *Duke Law Journal, 47*, 1133–1141.
- Slovic, P. (2000). What does it mean to know a cumulative risk? Adolescents' perceptions of short-term and long-term consequences of smoking. *Journal of Behavioral Decision Making, 13*, 259–266.
- Slovic, P. (2001). *Smoking: Risk, perception, and policy*. Thousand Oaks, CA: Sage Publications.
- Slovic, P., Finucane, M., Peters, E., & MacGregor, D.G. (2004). Risk as analysis and risk as feelings: Some thoughts about affect, reason, risk, and rationality. *Risk Analysis, 24*, 1–12.
- Smith, A.M.A., & Rosenthal, D.A. (1995). Adolescents' perceptions of their risk environment. *Journal of Adolescence, 18*, 229–245.
- Smith, G., Gerrard, M., & Gibbons, F. (1997). Self-esteem and the relation between risk behavior and perceptions of vulnerability to unplanned pregnancy in college women. *Health Psychology, 16*, 137–146.
- Sneed, C.D., Morisky, D.E., Rotheram-Borus, M.J., Ebin, V., Malotte, C.K., Lyde, M., & Gill, J.K. (2001). 'Don't know' and 'didn't think of it': Condom use at first intercourse by Latino adolescents. *AIDS Care, 13*, 303–308.
- Spear, L.P. (2000). The adolescent brain and age-related behavioral manifestations. *Neuroscience and Biobehavioral Reviews, 24*, 417–463.
- Stacy, A.W., Bentler, P.M., & Flay, B.R. (1994). Attitudes and health behavior in diverse populations: Drunk driving, alcohol use, binge eating, marijuana use, and cigarette use. *Health Psychology, 13*, 73–85.
- Stanovich, K.E., & West, R.F. (2000). Individual differences in reasoning: Implications for the rationality debate? *Behavioral and Brain Sciences, 23*, 645–726.
- Steinberg, L. (2003). Is decision making the right framework for research on adolescent risk taking? In D. Romer (Ed.), *Reducing adolescent risk* (pp. 18–24). Thousand Oaks, CA: Sage.
- Steinberg, L. (2004). Risk taking in adolescence: What changes and why? *Annals of the New York Academy of Sciences, 1021*, 51–58.
- Steinberg, L. (2005). Cognitive and affective development in adolescence. *Trends in Cognitive Science, 9*, 69–74.
- Steinberg, L., Dahl, R., Keating, D., Kupfer, D.J., Masten, A.S., & Pine, D. (2004). The study of developmental psychopathology in adolescence: Integrating affective neuroscience with the study of context. In D. Cicchetti (Ed.), *Handbook of developmental psychopathology* (pp. 1–96). New York: Wiley.
- Steinberg, L., & Morris, A.S. (2001). Adolescent development. *Annual Review of Psychology, 52*, 83–110.
- Stone, E.R., Yates, J.F., & Parker, A.M. (1994). Risk communication: Absolute versus relative expressions of low-probability risks. *Organizational Behavior and Human Decision Processes, 60*, 387–408.
- Strunin, L., & Hingson, R. (1992). Alcohol, drugs, and adolescent sexual behavior. *International Journal of the Addictions, 27*, 129–146.
- Sutton, S. (2001). Health behavior: Psychosocial theories. In N.J. Smelser & P.B. Baltes (Eds.), *International encyclopedia of the social and behavioral sciences* (pp. 6499–6506). Oxford, England: Elsevier.
- Swisher, J.D., & Hu, T. (1983). Alternatives to drug abuse: Some are and some are not. *Research Monograph Series, 47*, 141–153.
- Tapert, S.F., Aarons, G.A., Sedlar, G.R., & Brown, S.A. (2001). Adolescent substance use and sexual risk taking behavior. *Journal of Adolescent Health, 28*, 181–189.
- Ten years ago, I tried to kill myself in the A lot. (2005, September 14). *Cornell Daily Sun*, p. 6.
- Turner, C., & McClure, R. (2003). Age and gender differences in risk taking behavior as an explanation for high incidence of motor vehicle crashes as a driver in young males. *Injury Control and Safety Promotion, 10*, 123–130.
- Tversky, A., & Kahneman, D. (1983). Extension versus intuitive reasoning: The conjunction fallacy in probability judgment. *Psychological Review, 90*, 293–315.
- Urberg, K., & Robbins, R.L. (1984). Perceived vulnerability in adolescents to the health consequences of cigarette smoking. *Preventive Medicine, 13*, 367–376.
- U.S. Department of Health and Human Services. (1994). *Preventing tobacco use among young people: A report of the surgeon general*. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health.
- U.S. Department of Health and Human Services. (2001). *Youth violence: A report of the surgeon general* (DHHS Publication. No. SG-YZ).

- Retrieved June 6, 2006 from <http://www.surgeongeneral.gov/library/youthviolence/toc.html>
- Vaillant, G.E. (2003). A 60-year follow-up of alcoholic men. *Addiction*, *98*, 1043–1051.
- Vaillant, G.E., & Hiller-Sturmhöfel (1996). The natural history of alcoholism. *Alcohol Health & Research World*, *20*, 152–161.
- van den Putte, B. (1993). *On the theory of reasoned action*. Unpublished doctoral dissertation, University of Amsterdam, The Netherlands.
- Vitaro, F., Brendgen, M., Ladouceur, R., & Tremblay, R.E. (2001). Gambling, delinquency, and drug use during adolescence: Mutual influences and common risk factors. *Journal of Gambling Studies*, *17*, 171–90.
- von Neumann, J., & Morgenstern, O. (1944). *Theory of games and economic behavior*. Princeton, NJ: Princeton University Press.
- von Winterfeldt, D., & Edwards, W. (1986). *Decision analysis and behavioral research*. Cambridge, England: Cambridge University Press.
- Ward, S.L., & Overton, W.F. (1990). Semantic familiarity, relevance, and the development of deductive reasoning. *Developmental Psychology*, *26*, 488–493.
- Weber, E.U., Shafir, S., & Blais, A. (2004). Predicting risk sensitivity in humans and lower animals: Risk as variance or coefficient of variation. *Psychological Review*, *111*, 430–445.
- Weinstein, N.D. (1980). Unrealistic optimism about future life events. *Journal of Personality and Social Psychology*, *39*, 806–820.
- Weinstein, N.D. (1982). Unrealistic optimism about susceptibility to health problems. *Journal of Behavioral Medicine*, *5*, 441–460.
- Weinstein, N.D. (1989). Optimistic biases about personal risks. *Science*, *246*, 1232–1233.
- Weinstein, N.D., & Lachendro, E. (1982). Egocentrism as a source of unrealistic optimism. *Personality and Social Psychology Bulletin*, *8*, 195–200.
- Weinstein, N.D., & Nicolich, M. (1993). Correct and incorrect interpretations of correlations between risk perceptions and risk behaviors. *Health Psychology*, *12*, 235–245.
- Weinstein, N.D., Rothman, A.J., & Nicolich, M. (1998). Use of correlational data to study effects of risk perceptions on precautionary behavior. *Psychology and Health*, *13*, 479–501.
- Weinstein, N.D., Slovic, P., & Gibson, G. (2004). Accuracy and optimism in smokers' beliefs about quitting. *Nicotine & Tobacco Research*, *6*, 375–380.
- Whaley, A.L. (2000). Differential risk perceptions for unintended pregnancy, STDs, and HIV/AIDS among urban adolescents: Some preliminary findings. *Journal of Genetic Psychology*, *161*, 435–452.
- Wild, T.C., Hinson, R., & Cunningham, J. (2001). Perceived vulnerability to alcohol-related harm in young adults: Independent effects of risky alcohol use and drinking motives. *Experimental & Clinical Psychopharmacology*, *9*, 117–125.
- Wilks, S.S. (1937). *Statistical inference*. Ann Arbor, MI: Edwards Brothers.
- Windschitl, P.D., Kruger, J., & Simms, E.N. (2003). The influence of egocentrism and focalism on people's optimism in competitions: When what affects us equally affects me more. *Journal of Personality and Social Psychology*, *85*, 389–408.
- Winer, G., & McGlone, C. (1993). On the uncertainty of conservation: Responses to misleading conservation questions. *Developmental Psychology*, *29*, 760–769.
- Wolford, C., & Swisher, J.D. (1986). Behavioral intention as an indicator of drug and alcohol use. *Journal of Drug Education*, *16*, 305–326.
- Yates, J.F. (1990). *Judgment and decision making*. Old Tappan, NJ: Prentice Hall.
- Yechiam, E., Busemeyer, J.R., Stout, J.C., & Bechara, A. (2005). Using cognitive models to map relations between neuropsychological disorders and human decision-making deficits. *Psychological Science*, *16*, 973–978.
- Zuckerman, M. (1979). *Sensation seeking: Beyond the optimal level of arousal*. Hillsdale, NJ: Erlbaum.
- Zuckerman, M. (1994). *Behavioral expressions and biosocial bases of sensation seeking*. New York: Cambridge University Press.
- Zuckerman, M. (1999). *Vulnerability to psychopathology: A biosocial model*. Washington, DC: American Psychological Association.
- Zuckerman, M. (2002). Personality and psychopathy: Shared behavioral and biological traits. In J. Glicksohn (Ed.), *The neurobiology of criminal behavior* (pp. 27–49). Dordrecht, The Netherlands: Kluwer Academic Publishers.