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### The psychology of creativity : moods, minds, and motives

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## REFERENCES

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References marked with an asterisk indicate studies included in the meta-analysis reported in Chapter 2.

- \*Abele, A. (1992). Positive and negative mood influences on creativity: Evidence for asymmetrical effects. *Polish Psychological Bulletin, 23*, 203–221.
- \*Abele, A. (1995). *Stimmung und Leistung [Mood and performance]*. Göttingen, Germany: Hogrefe-Verlag.
- \*Adaman, J. E., & Blaney, P. H. (1995). The effects of musical mood induction on creativity. *Journal of Creative Behavior, 29*, 95–108.
- \*Akinola, M., & Mendes, W. B. (2007, January). *Stress and cognitive processing: The effects of challenge and threat responses on creativity and declarative memory*. Poster presented at the annual conference of the Society for Personality and Social Psychology, Memphis, TN.
- Akinola, M., & Mendes, W. B. (2008). The dark side of creativity: Biological vulnerability and negative emotions lead to greater artistic creativity. *Personality and Social Psychology Bulletin, 34*, 1677–1686.
- Alloy, L. B., Abramson, L. Y., & Viscusi, D. (1981). Induced mood and the illusion of control. *Journal of Personality and Social Psychology, 41*, 1129–1140.
- Amabile, T. M. (1983). The social psychology of creativity: A componential conceptualization. *Journal of Personality and Social Psychology, 45*, 357–376.
- Amabile, T. M. (1985). Motivation and creativity: Effects of motivational orientation on creative writers. *Journal of Personality and Social Psychology, 48*, 393–397.
- Amabile, T. M. (1996). *Creativity in context: Update to "The social psychology of creativity."* Boulder, CO: Westview Press.
- \*Amabile, T. M., Barsade, S. G., Mueller, J. S., & Staw, B. M. (2005). Affect and creativity at work. *Administrative Science Quarterly, 50*, 367–403.
- Ambady, N., & Gray, H. M. (2002). On being sad and mistaken: Mood effects on the accuracy of thin-slice judgments. *Journal of Personality and Social Psychology, 83*, 947–961.
- Amodio, D. M., Shah, J. Y., Sigelman, J., Brazy, P. C., & Harmon Jones, E. (2004). Implicit regulatory focus associated with asymmetrical frontal cortical activity. *Journal of Experimental Social Psychology, 40*, 225–232.
- Anderson, N., De Dreu, C. K. W., & Nijstad, B. A. (2004). The routinization of innovation research: A constructively critical review of the state-of-the-science. *Journal of Organizational Behavior, 25*, 147–173.
- \*Anderson, T. A., & Pratarelli, M. E. (1999). Affective information in videos: Effects on cognitive performance and gender. *North American Journal of Psychology, 1*, 17–28.
- Ashby, F. G., Isen, A. M., & Turken, A. U. (1999). A neuropsychological theory of positive affect and its influence on cognition. *Psychological Review, 106*, 529–550.
- Ashby, F. G., Valentin, V. V., & Turken, A. U. (2002). The effects of positive affect and arousal and working memory and executive attention: Neurobiology and computational models. In S. C. Moore & M. Oaksford (Eds.), *Emotional cognition: From brain to behaviour* (pp. 245–287). Amsterdam: John Benjamins.
- Baas, M., De Dreu, C. K. W., & Nijstad, B. A. (2008). A meta-analysis of 25 years of research on mood

## References

---

- and creativity: Hedonic tone, activation, or regulatory focus? *Psychological Bulletin*, 134, 739-756.
- Baas, M., De Dreu, C. K. W., & Nijstad, B. A. (2009a). Simmering blues and depleting displeasure: How sadness and anger influence creativity *Manuscript under review*.
- Baas, M., De Dreu, C. K. W., & Nijstad, B. A. (2009b). When avoidance motivation promotes creativity: The role of motivational orientation and regulatory success. *Manuscript under review*.
- Baas, M., De Dreu, C. K. W., & Nijstad, B. A. (2010). Stemming, motivationele oriëntatie, fit en creativiteit: De rol van mentale activering. *Gedrag en Organisatie*.
- Baddeley, A. (2000). The episodic buffer: A new component of working memory. *Trends in Cognitive Sciences*, 4, 417-423.
- \*Baer, M., Oldham, G. R., & Cummings, A. (2003). [Dispositional affectivity and creativity]. Unpublished raw data.
- Barrett, L. F. (2006). Valence is a basic building block of emotional life. *Journal of Research in Personality*, 40, 35-55.
- Barrett, L. F., & Russell, J. A. (1998). Independence and bipolarity in the structure of current affect. *Journal of Personality and Social Psychology*, 74, 967-984.
- Barron, F., & Harrington, D. M. (1981). Creativity, intelligence, and personality. *Annual Review of Psychology*, 32, 439-476.
- \*Bartolic, E. I., Basso, M. R., Schefft, B. K., Glauser, T., & Titanic Schefft, M. (1999). Effects of experimentally-induced emotional states on frontal lobe cognitive task performance. *Neuropsychologia*, 37, 677- 683.
- Basden, B. H., Basden, D. R., Bryner, S., & Thomas, R. L., III. (1997). A comparison of group and individual remembering: Does collaboration disrupt retrieval strategies? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 23, 1176-1189.
- Berlyne, D. E. (1967). Arousal and reinforcement. In D. Levine (Ed.), *Nebraska Symposium on Motivation* (pp. 1-110). Lincoln: University of Nebraska Press.
- Berridge, C. W., & Waterhouse, B. D. (2003). The locus coeruleus-noradrenergic system: Modulation of behavioral state and statedependent cognitive processes. *Brain Research Reviews*, 42, 33-84.
- Blake, T. M., Varnhagen, C. K., & Parent, M. B. (2001). Emotionally arousing pictures increase blood glucose levels and enhance recall. *Neurobiology of Learning and Memory*, 75, 262-273.
- Bless, H. (2001). Mood and the use of general knowledge structures. In L. L. Martin & G. L. Clore (Eds.), *Theories of mood and cognition: A user's guidebook* (pp. 9-26). Mahwah, NJ: Erlbaum.
- Bless, H., Bohner, G., Schwarz, N., & Strack, F. (1990). Mood and persuasion: A cognitive response analysis. *Personality and Social Psychology Bulletin*, 16, 331-345.
- Bless, H., Clore, G. L., Schwarz, N., Golisano, V., Rabe, C., & Wölk, M. (1996). Mood and the use of scripts: Does a happy mood really lead to mindlessness? *Journal of Personality and Social Psychology*, 71, 665-679.
- Boden, M. A. (1998). Creativity and artificial intelligence. *Artificial Intelligence*, 103, 347-356.
- Bodenhausen, G. V., Kramer, G. P., & Süsner, K. (1994). Happiness and stereotypic thinking in social judgment. *Journal of Personality and Social Psychology*, 66, 621-632.
- \*Bolte, A., Goschke, T., & Kuhl, J. (2003). Emotion and intuition: Effects of positive and negative mood on implicit judgments of semantic coherence. *Psychological Science*, 14, 416-421.

- Bowden, E. M., Jung-Beeman, M., Fleck, J., & Kounios, J. (2005). New approaches to demystifying insight. *Trends in Cognitive Sciences*, 9, 322–328.
- Bower, G. H. (1981). Mood and memory. *American Psychologist*, 36, 129–148.
- Bower, G. H., & Forgas, J. P. (2001). Mood and social memory. In J. P. Forgas (Ed.), *The handbook of affect and social cognition* (pp. 95–120). Mahwah, NJ: Erlbaum.
- Bransford, J. D., & Stein, B. S. (1984). *The ideal problem solver*. New York: Freeman.
- Brehm, J. W. (1999). The intensity of emotion. *Personality and Social Psychology Review*, 3, 2–22.
- Brenner, E. (2000). Mood induction in children: Methodological issues and clinical implications. *Review of General Psychology*, 4, 264–283.
- Brief, A. P., Burke, M. J., George, J. M., Robinson, B. S., & Webster, J. (1988). Should negative affectivity remain an unmeasured variable in the study of job stress? *Journal of Applied Psychology*, 73, 193–198.
- Brief, A. P., & Weiss, H. M. (2002). Organizational behavior: Affect in the workplace. *Annual Review of Psychology*, 53, 279–307.
- Broadbent, D. E. (1972). *Decision and stress*. New York: Academic Press.
- Brockner, J., & Higgins, E. T. (2001). Regulatory focus theory: Implications for the study of emotions at work. *Organizational Behavior and Human Decision Processes*, 86, 35–66.
- Brown, J. S., & Jacobs, A. (1949). The role of fear in the motivation and acquisition of responses. *Journal of Experimental Psychology*, 37, 1277–1296.
- Browne, B. A., & Cruse, D. F. (1988). The incubation effect: Illusion or illumination. *Human Performance*, 1, 177–185.
- Brusselmans, H. (n.d.). Retrieved July 27, 2009, from <http://www.hermanbrusselmans.com/quotes/>
- Burke, M. J., Brief, A. P., George, J. M., Roberson, L., & Webster, J. (1989). Measuring affect at work: Confirmatory analyses of competing mood structures with conceptual linkage to cortical regulatory systems. *Journal of Personality and Social Psychology*, 57, 1091–1102.
- Cacioppo, J. T., Gardner, W. L., & Berntson, G. G. (1999). The affect system has parallel and integrative processing components: Form follows function. *Journal of Personality and Social Psychology*, 76, 839 – 855.
- \*Carlsson, I. (2002). Anxiety and flexibility of defense related to high or low creativity. *Creativity Research Journal*, 14, 341–349.
- \*Carlsson, I., Wendt, P. E., & Risberg, J. (2000). On the neurobiology of creativity. Differences in frontal activity between high and low creative subjects. *Neuropsychologia*, 38, 873–885.
- Carnevale, P. J., & Isen, A. M. (1986). The influence of positive affect and visual access on the discovery of integrative solutions in bilateral negotiations. *Organizational Behavior and Human Decision Processes*, 37, 1–13.
- Carnevale, P. J., & Probst, T. M. (1998). Social values and social conflict in creative problem solving and categorization. *Journal of Personality and Social Psychology*, 74, 1300–1309.
- Carson, S. H., Peterson, J. B., & Higgins, D. M. (2003). Decreased latent inhibition is associated with increased creative achievement in high-functioning individuals. *Journal of Personality and Social Psychology*, 85, 499–506.
- Carver, C. S. (2004). Negative affects deriving from the behavioral approach system. *Emotion*, 4, 3–22.
- Carver, C. S. (2006). Approach, avoidance, and the self-regulation of affect and action. *Motivation &*

## References

---

- Emotion*, 30, 105–110.
- Carver, C. S. (2009). Threat sensitivity, incentive sensitivity, and the experience of relief. *Journal of Personality*, 77, 125-138.
- Carver, C. S., & Harmon-Jones, E. (2009). Anger is an approach related affect: Evidence and implications. *Psychological Bulletin*, 135, 183-204.
- Carver, C. S., & Scheier, M. F. (1981). *Attention and self-regulation: A control-theory approach to human behavior*. New York: Springer-Verlag.
- Carver, C. S., & White, T. L. (1994). Behavioral inhibition, behavioral activation, and affective responses to impending reward and punishment: The BIS/BAS Scales. *Journal of Personality and Social Psychology*, 67, 319–333.
- Chaiken, S., & Trope, Y. (Eds.). (1999). *Dual-process theories in social psychology*. New York: Guilford.
- Chamberlain, S. R., Muller, U., Blackwell, A. D., Robbins, T. W., & Sahakian, B. J. (2006). Noradrenergic modulation of working memory and emotional memory in humans. *Psychopharmacology*, 188, 387–407.
- Christie, I. C., & Friedman, B. H. (2004). Autonomic specificity of discrete emotion and dimensions of affective space: A multivariate approach. *International Journal of Psychophysiology*, 51, 143–153.
- \*Clapham, M. M. (2001). The effects of affect manipulation and information exposure on divergent thinking. *Creativity Research Journal*, 13, 335–350.
- Clore, G. L., Schwarz, N., & Conway, M. (1994). Cognitive causes and consequences of emotion. In R. S. Wyer & T. K. Srull (Eds.), *Handbook of social cognition* (2nd ed., Vol. 1, pp. 323–417). Hillsdale, NJ: Erlbaum.
- Cohen, J. (1988). *Statistical power analysis for the behavioral sciences* (2nd ed.). Hillsdale, NJ: Erlbaum.
- Colzato, L. S., Van Wouwe, N. C., & Hommel, B. (2007). Feature binding and affect: Emotional modulation of visuo-motor integration. *Neuropsychologia*, 45, 440–446.
- Cooper, H., & Hedges, L. V. (Eds.). (1994). *The handbook of research synthesis*. New York: Russell Sage Foundation.
- Coskun, H., Paulus, P. B., Brown, V., & Sherwood, J. J. (2000). Cognitive stimulation and problem presentation in idea-generating groups. *Group Dynamics: Theory, Research, and Practice*, 4, 307–329.
- Cretenet, J., & Dru, V. (2009). Influence of peripheral and motivational cues on rigid-flexible functioning: Perceptual, behavioral, and cognitive aspects. *Journal of Experimental Psychology: General*, 138, 201-217.
- Cropanzano, R., Weiss, H. M., Hale, J. M. S., & Reb, J. (2003). The structure of affect: Reconsidering the relationship between negative and positive affectivity. *Journal of Management*, 29, 831–857.
- Crowe, E., & Higgins, E. T. (1997). Regulatory focus and strategic inclinations: Promotion and prevention in decision-making. *Organizational Behavior and Human Decision Processes*, 69, 117–132.
- Csikszentmihalyi, M. (1996). *Creativity: Flow and the psychology of discovery and invention*. New York: HarperCollins.
- Damasio, A. R. (2001). Some notes on brain, imagination and creativity. In K. Pfenninger & V. R.

- Shubik (Eds.), *The origins of creativity* (pp. 59–68). Oxford, United Kingdom: Oxford University Press.
- Davidson, R. J. (2000). Affective style, psychopathology, and resilience: Brain mechanisms and plasticity. *American Psychologist*, *55*, 1196–1214.
- Davidson, R. J., Ekman, P., Saron, C., Senulis, J., & Friesen, W. V. (1990). Approach/withdrawal and cerebral asymmetry: Emotional expression and brain physiology. *Journal of Personality and Social Psychology*, *58*, 330–341.
- Davidson, R. J., & Irwin, W. (1999). The functional neuroanatomy of emotion and affective style. *Trends in Cognitive Sciences*, *3*, 11–21.
- Davidson, R. J., Jackson, D. C., & Kalin, N. H. (2000). Emotion, plasticity, context and regulation: Perspectives from affective neuroscience. *Psychological Bulletin*, *126*, 890–906.
- De Bono, E., (1970). *Lateral thinking: Creativity step-by-step*. New York: Harper and Row.
- \*De Dreu, C. K. W. (2006). [Creative drawings in angry and relaxed moods]. Unpublished raw data.
- \*De Dreu, C. K. W., Baas, M., & Nijstad, B. A. (2007, January). *Mood-creativity link revisited: Hedonic tone and activation level in the mood-creativity link*. Paper presented at the annual conference of the Society for Personality and Social Psychology, Memphis, TN.
- De Dreu, C. K. W., Baas, M., & Nijstad, B. A. (2008). Hedonic tone and activation in the mood-creativity link: Towards a dual pathway to creativity model. *Journal of Personality and Social Psychology*, *94*, 739–756.
- \*De Dreu, C. K. W., & Nijstad, B. A. (2008). Mental set and creative thought in social conflict: Threat-rigidity versus motivated focus. *Journal of Personality and Social Psychology*, *95*, 648–661.
- De Dreu, C. K. W., Nijstad, B. A., & Baas, M. (2009). Creative flow-from-fit: Behavioral activation, processing mode, and creativity. Unpublished manuscript, University of Amsterdam.
- Depue, R. A., & Iacono, W. G. (1989). Neurobehavioral aspects of affective disorders. *Annual Review of Psychology*, *40*, 457–492.
- Derryberry, D., & Reed, M. A. (1998). Anxiety and attentional focusing: Trait, state and hemispheric influences. *Personality and Individual Differences*, *25*, 745–761.
- Derryberry, D., & Tucker, D. M. (1994). Motivating the focus of attention. In P. M. Niedenthal & S. Kitayama (Eds.), *The heart's eye: Emotional influences in perception and attention* (pp. 167–196). San Diego, CA: Academic Press.
- DeSteno, D., Petty, R. E., Wegener, D. T., & Rucker, D. D. (2000). Beyond valence in the perception of likelihood: The role of emotion specificity. *Journal of Personality and Social Psychology*, *78*, 397–416.
- De Vet, A. J., & De Dreu, C. K. W. (2007). The influence of articulation, self-monitoring ability, and sensitivity to others on creativity. *European Journal of Social Psychology*, *37*, 747–760.
- Diehl, M., & Stroebe, W. (1991). Productivity loss in idea-generating groups: Tracking down the blocking effect. *Journal of Personality and Social Psychology*, *61*, 392–403.
- Dietrich, A. (2004). The cognitive neuroscience of creativity. *Psychonomic Bulletin & Review*, *11*, 1011–1026.
- Dreisbach, G., & Goschke, T. (2004). How positive affect modulates cognitive control: Reduced perseveration at the cost of increased distractibility. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *30*, 343–353.
- Duncker, K. (1945). On problem solving. *Psychological Monographs*, *58*(5).

## References

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- Dutton, K. A., & Brown, J. D. (1997). Global self-esteem and specific self-views as determinants of people's reactions to success and failure. *Journal of Personality and Social Psychology, 73*, 139-148.
- Duval, S. J., & Tweedie, R. (2000). Trim and fill: A simple funnel-plotbased method of testing and adjusting for publication bias in metaanalysis. *Biometrics, 56*, 455-463.
- Dweck, C. S. (1975). The role of expectations and attributions in the alleviation of learned helplessness. *Journal of Personality and Social Psychology, 31*, 674-685.
- Easterbrook, J. A. (1959). The effect of emotion on cue utilization and the organization of behavior. *Psychological Review, 66*, 183-201.
- Eisenberger, R., & Rhoades, L. (2001). Incremental effects of reward on creativity. *Journal of Personality and Social Psychology, 81*, 728-741.
- Ekstrom, R. B., French, J. W., Harman, M. H., & Dermen, D. (1976). *Manual for kit of factor-referenced cognitive tests*. Princeton, NJ: Educational Testing Service.
- Elliot, A. J. (Ed.). (2008). *Handbook of approach and avoidance motivation*. New York: Psychology Press.
- Elliot, A. J., & Thrash, T. M. (2002). Approach-avoidance motivation in personality: Approach and avoidance temperaments and goals. *Journal of Personality and Social Psychology, 82*, 804-818.
- \*Erez, A., & Isen, A. M. (2002). The influence of positive affect on the components of expectancy motivation. *Journal of Applied Psychology, 87*, 1055-1067.
- \*Estrada, C. A., Isen, A. M., & Young, M. J. (1994). Positive affect improves creative problem solving and influences reported source of practice satisfaction in physicians. *Motivation and Emotion, 18*, 285-299.
- Eysenck, H. J. (1993). Creativity and personality: Suggestions for a theory. *Psychological Inquiry, 4*, 147-178.
- Feist, G. J. (1998). A meta-analysis of personality in scientific and artistic creativity. *Personality and Social Psychology Review, 2*, 290-309.
- Ferry, G. (2007). *Max Perutz and the secret of life*. London, Pimlico.
- Fiedler, K. (1988). Emotional mood, cognitive style, and behavior regulation. In K. Fiedler & J. P. Forgas (Eds.), *Affect, cognition, and social behavior* (pp. 100-119). Toronto, Ontario, Canada: Hogrefe.
- Fiedler, K. (2000). Toward an account of affect and cognition phenomena using the BIAS computer algorithm. In J. P. Forgas (Ed.), *Feeling and thinking: The role of affect in social cognition* (pp. 223-252). Paris: Cambridge University Press.
- \*Filipowicz, A. (2006). From positive affect to creativity: The surprising role of surprise. *Creativity Research Journal, 18*, 141-152.
- Fishbach, A., & Labroo, A. A. (2007). Be better or be merry: How mood affects self-control. *Journal of Personality and Social Psychology, 93*, 158-173.
- Fitzsimons, G. M., Chartrand, T. L., Fitzsimons, G. J. (2008). Automatic effects of brand exposure on motivated behavior: How Apple makes you "think different". *Journal of Consumer Research, 35*, 21-35.
- Flaherty, A. W. (2005). Frontotemporal and dopaminergic control of idea generation and creative drive. *Journal of Comparative Neurology, 493*, 147-153.



- Floresco, S. B., & Phillips, A. G. (2001). Delay-dependent modulation of memory retrieval by infusion of a dopamine D1 agonist into the rat medial prefrontal cortex. *Behavioral Neuroscience, 115*, 934–939.
- Fodor, E. M., & Carver, R. A. (2000). Achievement and power motives, performance feedback, and creativity. *Journal of Research in Personality, 34*, 380–396.
- \*Fong, C. T. (2006). The effects of emotional ambivalence on creativity. *Academy of Management Journal, 49*, 1016–1030.
- Forgas, J. P. (1995). Mood and judgment: The affect infusion model (AIM). *Psychological Bulletin, 116*, 39–66.
- Forgas, J. P. (Ed.). (2001). *The handbook of affect and social cognition*. Mahwah, NJ: Erlbaum.
- Forgas, J. P. (2002). Feeling and doing: Affective influences on interpersonal behavior. *Psychological Inquiry, 13*, 1–28.
- Forgas, J. P. (2007). When sad is better than happy: Negative affect can improve the quality and effectiveness of persuasive messages and social influence strategies. *Journal of Experimental Social Psychology, 43*, 513–528.
- Förster, J. (2009). Relations between perceptual and conceptual scope: How global versus local processing fits a focus on similarity versus dissimilarity. *Journal of Experimental Psychology: General, 138*, 88–111.
- Förster, J., Epstude, K., & Özelsel, A. (2009). Why love has wings and sex has not: How reminders of love and sex influence creative and analytic thinking. *Personality and Social Psychology Bulletin, 35*, 1479–1491.
- Förster, J., Friedman, R. S., & Liberman, N. (2004). Temporal construal effects on abstract and concrete thinking: Consequences for insight and creative cognition. *Journal of Personality and Social Psychology, 87*, 177–189.
- Förster, J., Friedman, R. S., Özelsel, A., & Denzler, M. (2006). Enactment of approach and avoidance behavior influences the scope of perceptual and conceptual attention. *Journal of Experimental Social Psychology, 42*, 133–146.
- Förster, J., Grant, H., Idson, L. C., & Higgins, E. T. (2001). Success/failure feedback, expectancies, and approach/avoidance motivation: How regulatory focus moderates classic relations. *Journal of Experimental Social Psychology, 37*, 253–260.
- Förster, J., & Higgins, E. T. (2005). How global vs. local processing fits regulatory focus. *Psychological Science, 16*, 631–636.
- Förster, J., Higgins, E. T., & Idson, L. C. (1998). Approach and avoidance strength during goal attainment: Regulatory focus and the “goal looms larger” effect. *Journal of Personality and Social Psychology, 75*, 1015–1031.
- Förster, J., Liberman, N., & Higgins, E. T. (2005). Accessibility from active and fulfilled goals. *Journal of Experimental Social Psychology, 41*, 220–239.
- Fortunato, V. J. (2004). A comparison of the construct validity of three measures of negative affectivity. *Educational and Psychological Measurement, 64*, 271–289.
- Fredrickson, B. L. (2001). The role of positive emotions in positive psychology: The broaden-and-build theory of positive emotions. *American Psychologist, 56*, 218–226.
- Fredrickson, B. L., & Branigan, C. (2005). Positive emotions broaden the scope of attention and thought–action repertoires. *Cognition and Emotion, 19*, 313–332.

## References

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- Fredrickson, B. L., Mancuso, R. A., Branigan, C., & Tugade, M. (2000). The undoing effect of positive emotions. *Motivation and Emotion, 24*, 237–258.
- Friedman, R. S., Fishbach, A., Förster, J., & Werth, L. (2003). Attentional priming effects on creativity. *Creativity Research Journal, 15*, 277–286.
- Friedman, R. S., & Förster, J. (2000). The effects of approach and avoidance motor actions on the elements of creative insight. *Journal of Personality and Social Psychology, 79*, 477–492.
- \*Friedman, R. S., & Förster, J. (2001). The effects of promotion and prevention cues on creativity. *Journal of Personality and Social Psychology, 81*, 1001–1013.
- Friedman, R. S., & Förster, J. (2002). The influence of approach and avoidance motor actions on creative cognition. *Journal of Experimental Social Psychology, 38*, 41–55.
- Friedman, R. S., & Förster, J. (2005a). The influence of approach and avoidance cues on attentional flexibility. *Motivation and Emotion, 29*, 69–81.
- Friedman, R. S., & Förster, J. (2005b). Effects of motivational cues on perceptual asymmetry: Implications for creativity and analytical problem solving. *Journal of Personality and Social Psychology, 88*, 263–275.
- Friedman, R. S., & Förster, J. (2008). Activation and measurement of motivational states. In A. J. Elliot (Ed.), *Handbook of approach and avoidance motivation* (pp. 235–248). New York: Psychology Press.
- \*Friedman, R. S., Förster, J., & Denzler, M. (2007). Interactive effects of mood and task framing on creative generation. *Creativity Research Journal, 19*, 141–162.
- Frijda, N. H. (1986). *The emotions*. New York: Cambridge University Press.
- Frijda, N. H. (1993). Moods, emotion episodes, and emotions. In M. Lewis & J. M. Haviland (Eds.), *Handbook of emotions* (pp. 381–403). New York: Guilford Press.
- Frijda, N. H., Kuipers, P., & ter Schure, E. (1989). Relations among emotion, appraisal, and emotional action readiness. *Journal of Personality and Social Psychology, 57*, 212–228.
- Gailliot, M. T., Baumeister, R. F., DeWall, C. N., Maner, J. K., Plant, E. A., Tice, D. M., et al. (2007). Self-control relies on glucose as a limited energy source: Willpower is more than a metaphor. *Journal of Personality and Social Psychology, 92*, 325–336.
- Galton, F. (1869). *Hereditary genius: An inquiry into its laws and consequences*. London: Macmillan.
- \*Gasper, K. (2000). How thought and differences in emotional attention influence the role of affect in processing and judgment: When attempts to be reasonable fail. *Dissertation Abstracts International: Section B. The Sciences and Engineering, 60*(11-B), 5834.
- \*Gasper, K. (2003). When necessity is the mother of invention: Mood and problem solving. *Journal of Experimental Social Psychology, 39*, 248–262.
- Gasper, K. (2004a). Do you see what I see? Affect and visual information processing. *Cognition and Emotion, 18*, 405–421.
- \*Gasper, K. (2004b). Permission to seek freely? The effect of happy and sad moods on generating old and new ideas. *Creativity Research Journal, 16*, 215–229.
- Gasper, K., & Clore, G. L. (2002). Attending to the big picture: Mood and global versus local processing of visual information. *Psychological Science, 13*, 34–40.
- Geer, J. H. (1965). The development of a scale to measure fear. *Behaviour Research and Therapy, 3*, 45–53.
- Gendolla, G. H. E. (2000). On the impact of mood on behavior: An integrative theory and a review.

- Review of General Psychology*, 4, 378–408.
- Gendolla, G. H. E., & Brinkmann, K. (2005). The role of mood states in self-regulation: Effects on action preferences and resource mobilization. *European Psychologist*, 10, 187–198.
- George, J. M., & Zhou, J. (2001). When openness to experience and conscientiousness are related to creative behavior: An interactional approach. *Journal of Applied Psychology*, 86, 513–524.
- \*George, J. M., & Zhou, J. (2002). Understanding when bad moods foster creativity and good ones don't: The role of context and clarity of feelings. *Journal of Applied Psychology*, 87, 687–697.
- \*George, J. M., & Zhou, J. (2007). Dual tuning in a supportive context: Joint contributions of positive mood, negative mood, and supervisory behaviors to employee creativity. *Academy of Management Journal*, 50, 605–622.
- Gerrards-Hesse, A., Spies, K., & Hesse, F. W. (1994). Experimental inductions of emotional states and their effectiveness: A review. *British Journal of Psychology*, 85, 55–78.
- Gilhooly, K. J., & Murphy, P. (2005). Differentiating insight from noninsight problems. *Thinking and Reasoning*, 11, 279–302.
- Goldman-Rakic, P. S. (1996). Regional and cellular fractionation of working memory. *Proceedings of the National Academy of Sciences, USA*, 93, 13473–13480.
- \*Goritz, A. S., & Moser, K. (2003). Mood and flexibility in categorization: A conceptual replication. *Perceptual and Motor Skills*, 97, 107–119.
- Goschke, T. (2006, June). Affective modulation of selective attention and background-monitoring. Invited talk presented in the Experimenteel Psychologische Onderzoekschool (EPOS) symposium, *Affective modulation of cognitive performance*. Leiden University, Leiden, the Netherlands.
- \*Grawitch, M. J., Munz, D. C., Elliott, E. K., & Mathis, A. (2003). Promoting creativity in temporary problem-solving groups: The effects of positive mood and autonomy in problem definition on idea-generating performance. *Group Dynamics: Theory, Research, and Practice*, 7, 200–213.
- \*Grawitch, M. J., Munz, D. C., & Kramer, T. J. (2003). Effects of member mood states on creative performance in temporary workgroups. *Group Dynamics: Theory, Research, and Practice*, 7, 41–54.
- Gray, J. A. (1982). *The neuropsychology of anxiety*. New York: Oxford University Press.
- Gray, J. A. (1990). Brain systems that mediate both emotion and cognition. *Cognition and Emotion*, 4, 269–288.
- \*Greene, T. R., & Noice, H. (1988). Influence of positive affect upon creative thinking and problem solving in children. *Psychological Reports*, 63, 895–898.
- Griskevicius, V., Cialdini, R. B., & Tenrick, D. T. (2006). Peacocks, Picasso, and parental investment: The effects of romantic motives on creativity. *Journal of Personality and Social Psychology*, 91, 63–76.
- Guilford, J. P. (1950). Creativity. *American Psychologist*, 5, 444–454.
- Guilford, J. P. (1967). *The nature of human intelligence*. New York: McGraw-Hill.
- Hall, J. A., Tickle-Degnen, L., Rosenthal, R., & Mosteller, F. (1994). Hypotheses and problems in research synthesis. In H. Cooper & L. V. Hedges (Eds.), *The handbook of research synthesis* (pp. 17–28). New York: Russell Sage Foundation.
- Harmon-Jones, E., & Sigelman, J. (2001). State anger and prefrontal brain activity: Evidence that

## References

---

- insult-related relative left-prefrontal activation is associated with experienced anger and aggression. *Journal of Personality and Social Psychology*, *80*, 797–803.
- Hedges, L. V., & Olkin, I. (1985). *Statistical methods for meta-analysis*. New York: Academic Press.
- Heller, W. (1993). Neuropsychological mechanisms of individual differences in emotion, personality, and arousal. *Neuropsychology*, *7*, 476–489.
- Heller, W., & Nitschke, J. B. (1997). Regional brain activity in emotion: A framework for understanding cognition in depression. *Cognition and Emotion*, *11*, 637–661.
- Heller, W., Nitschke, J. B., Etienne, M. A., & Miller, G. A. (1997). Patterns of regional brain activity differentiate types of anxiety. *Journal of Abnormal Psychology*, *106*, 376–385.
- Henriques, J. B., Glowacki, J. M., & Davidson, R. J. (1994). Reward fails to alter response bias in depression. *Journal of Abnormal Psychology*, *103*, 460–466.
- Higgins, E. T. (1997). Beyond pleasure and pain. *American Psychologist*, *52*, 1280–1300.
- Higgins, E. T. (2001). Promotion and prevention experiences: Relating emotions to nonemotional motivational states. In J. P. Forgas (Ed.), *Handbook of affect and social cognition* (pp. 186–211). Mahwah, NJ: Erlbaum.
- Higgins, E. T. (2005). Value from regulatory fit. *Current Directions in Psychological Science*, *14*, 209–213.
- Higgins, E. T. (2006). Value from hedonic experience and engagement. *Psychological Review*, *113*, 439–460.
- Hirt, E. R., Devers, E. E., & McCrea, S. M. (2008). I want to be creative: Exploring the role of hedonic contingency theory in the positive mood-cognitive flexibility link. *Journal of Personality and Social Psychology*, *94*, 214–230.
- \*Hirt, E. R., Levine, G. M., McDonald, H. E., Melton, R. J., & Martin, L. L. (1997). The role of mood in quantitative and qualitative aspects of performance: Single or multiple mechanisms? *Journal of Experimental Social Psychology*, *33*, 602–629.
- \*Hirt, E. R., Melton, R. J., McDonald, H. E., & Harackiewicz, J. M. (1996). Processing goals, task interest, and the mood–performance relationship: A mediational analysis. *Journal of Personality and Social Psychology*, *71*, 245–261.
- Hocevar, D., & Bachelor, P. (1989). A taxonomy and critique of measurements used in the study of creativity. In J. A. Glover, R. R. Ronning, & C. R. Reynolds (Eds.), *Handbook of creativity* (pp. 53–75). New York: Plenum Press.
- Hoffman, J. (2009). Q&A: Chemistry in the kitchen. *Nature*, *457*, 267.
- Hunter, J. E., & Schmidt, F. L. (1990). *Methods of meta-analysis: Correcting error and bias in research findings*. Newbury Park, CA: Sage.
- Idson, L.C., & Higgins, E.T. (2000). How current feedback and chronic effectiveness influence motivation: Everything to gain versus everything to lose. *European Journal of Social Psychology*, *30*, 583–592.
- Idson, L. C., Liberman, N., & Higgins, E. T. (2000). Distinguishing gains from non-losses and losses from non-gains: A regulatory focus perspective on hedonic intensity. *Journal of Experimental Social Psychology*, *36*, 252–274.
- Isen, A. M. (1990). The influence of positive and negative affect on cognitive organization: Some implications for development. In N. L. Stein, B. Leventhal, & T. Trabasso (Eds.), *Psychological and biological approaches to emotion* (pp. 75–94). Hillsdale, NJ: Erlbaum.

- Isen, A. M. (1999). Positive affect. In T. Dalgleish & M. J. Power (Eds.), *Handbook of cognition and emotion* (pp. 521–539). New York: Wiley.
- Isen, A. M. (2000a). Positive affect and decision making. In M. Lewis & J. M. Haviland-Jones (Eds.), *Handbook of emotions* (2nd ed., pp. 417–435). New York: Guilford Press.
- Isen, A. M. (2000b). Some perspectives on positive affect and selfregulation. *Psychological Inquiry*, *11*, 184–187.
- Isen, A. M., & Baron, R. A. (1991). Positive affect as a factor in organizational behavior. *Research in Organizational Behavior*, *13*, 1–53.
- \*Isen, A. M., & Daubman, K. A. (1984). The influence of affect on categorization. *Journal of Personality and Social Psychology*, *47*, 1206–1217.
- \*Isen, A. M., Daubman, K. A., & Nowicki, G. P. (1987). Positive affect facilitates creative problem solving. *Journal of Personality and Social Psychology*, *52*, 1122–1131.
- \*Isen, A. M., Johnson, M. M., Mertz, E., & Robinson, G. F. (1985). The influence of positive affect on the unusualness of word associations. *Journal of Personality and Social Psychology*, *48*, 1413–1426.
- \*Isen, A. M., Labroo, A. A., & Durlach, P. (2004). An influence of product and brand name on positive affect: Implicit and explicit measures. *Motivation and Emotion*, *28*, 43–63.
- Isen, A. M., & Levin, P. F. (1972). Effect of feeling good on helping: Cookies and kindness. *Journal of Personality and Social Psychology*, *21*, 384–388.
- Isen, A. M., Niedenthal, P. M., & Cantor, N. (1992). An influence of positive affect on social categorization. *Motivation and Emotion*, *16*, 65–78.
- Izard, C. E., & Ackerman, B. P. (2000). Motivational, organizational, and regulatory functions of discrete emotions. In M. Lewis & J. M. Haviland-Jones (Eds.), *Handbook of emotions* (2nd ed., pp. 253–322). New York: Guilford Press.
- James, K., Brodersen, M., & Jacob, E. (2004). Workplace affect and workplace creativity: A review and preliminary model. *Human Performance*, *17*, 169–194.
- Jamison, K. R. (1993). *Touched with fire: Manicdepressive illness and the artistic temperament*. New York: Free Press.
- \*Jausovec, N. (1989). Affect in analogical transfer. *Creativity Research Journal*, *2*, 255–266.
- Johnson, B. T., Mullen, B., & Salas, E. (1995). Comparison of three major meta-analytic approaches. *Journal of Applied Psychology*, *80*, 94–106.
- Judge, T. A., Thoresen, C. J., Bono, J. E., & Patton, G. K. (2001). The job satisfaction–job performance relationship: A qualitative and quantitative review. *Psychological Bulletin*, *127*, 376–407.
- Kahn, B. E., & Isen, A. M. (1993). The influence of positive-affect on variety seeking among safe, enjoyable products. *Journal of Consumer Research*, *20*, 257–270.
- Kasof, J. (1997). Creativity and breadth of attention. *Creativity Research Journal*, *10*, 303–315.
- \*Katz, H. E. (1996). Mood and divergent thinking: One role of affect in creativity. *Dissertation Abstracts International: Section B. The Sciences and Engineering*, *56*(10-B), 5836.
- Kaufmann, G. (2003). Expanding the mood–creativity equation. *Creativity Research Journal*, *15*, 131–135.
- \*Kaufmann, G., & Vosburg, S. K. (1997). “Paradoxical” mood effects on creative problem-solving. *Cognition and Emotion*, *11*, 151–170.
- \*Kaufmann, G., & Vosburg, S. K. (2002). The effects of mood on early and late idea production.

## References

---

- Creativity Research Journal*, 14, 317–330.
- \*Kavanagh, D. J. (1987). Mood, persistence, and success. *Australian Journal of Psychology*, 39, 307–318.
- Kenny, D. A., Kashy, D. A., & Bolger, N. (1998). Data analysis in social psychology. In D. Gilbert, S. T. Fiske, & G. Lindzey (Eds.), *Handbook of social psychology* (4<sup>th</sup> ed., Vol. 1, pp. 233–265). New York: McGraw-Hill.
- Kimberg, D. Y., D'Esposito, M., & Farah, M. J. (1997). Effects of bromocriptine on human subjects depend on working memory capacity. *Neuroreport*, 8, 3581–3585.
- Kirschbaum, C., Pirke, K. M., & Hellhammer, D. H. (1993). The “Trier Social Stress Test”—a tool for investigating psychobiological stress responses in a laboratory setting. *Neuropsychobiology*, 28, 76–81.
- \*Kline, L. M., Greene, T. R., & Noice, H. (1990). The influence of violent video material on cognitive task performance. *Psychology in the Schools*, 27, 228–232.
- Klinger, E. (1975). Consequences of commitment to and disengagement from incentives. *Psychological Review*, 82, 1–25.
- Knoblich, G., Ohlsson, S., Haider, H., & Rhenius, D. (1999). Constraint relaxation and chunk decomposition in insight problem solving. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 25, 1534–1555.
- Koch, S., Holland, R. W., Hengstler, M., & Van Knippenberg, A. (2009). Body locomotion as regulatory process: Stepping backward enhances cognitive control. *Psychological Science*, 20, 549–550.
- Lamm, H., & Trommsdorff, G. (1973). Group versus individual performance on tasks requiring ideational proficiency (brainstorming): A review. *European Journal of Social Psychology*, 3, 361–388.
- Lang, P. J., Bradley, M. M., & Cuthbert, B. N. (1990). Emotion, attention, and the startle reflex. *Psychological Review*, 97, 377–395.
- Lang, P. J., Greenwald, M. K., Bradley, M. M., & Hamm, A. O. (1993). Looking at pictures: Affective, facial, visceral, and behavioral reactions. *Psychophysiology*, 30, 261–273.
- LeDoux, J. E. (1995). Emotion: Clues from the brain. *Annual Review of Psychology*, 46, 209–235.
- Lerner, J. S., & Keltner, D. (2000). Beyond valence: Toward a model of emotion-specific influences on judgment and choice. *Cognition and Emotion*, 14, 473–493.
- Lerner, J. S., & Keltner, D. (2001). Fear, anger, and risk. *Journal of Personality and Social Psychology*, 81, 146–159.
- Lerner, J. S., & Tiedens, L. Z. (2006). Portrait of the angry decision maker: How appraisal tendencies shape anger's influence on cognition. *Journal of Behavioral Decision Making*, 19, 115–137.
- Levenson, R. W., Ekman, P., & Friesen, W. V. (1990). Voluntary facial action generates emotion-specific autonomic nervous system activity. *Psychophysiology*, 27, 363–384.
- \*Long, L., & Staats, S. (2006). *Mood variability, positive and negative affect, and creativity: Does a relationship exist within a non-clinical population?* Unpublished manuscript, Ohio State University at Newark.
- Luu, P., Tucker, D. M., & Derryberry, D. (1998). Anxiety and the motivational basis of working memory. *Cognitive Therapy and Research*, 22, 577–594.
- Lyubomirsky, S., King, L., & Diener, E. (2005). The benefits of frequent positive affect: Does happiness lead to success? *Psychological Bulletin*, 131, 803–855.

- Mackie, D. M., & Worth, L. T. (1989). Processing deficits and the mediation of positive affect in persuasion. *Journal of Personality and Social Psychology*, *57*, 27–40.
- Mad Men (2007). *Episode 1: Smoke gets in your eyes*. North Vancouver, British Columbia, Canada: Lionsgate Television.
- \*Madjar, N., & Oldham, G. R. (2002). Preliminary tasks and creative performance on a subsequent task: Effects of time on preliminary tasks and amount of information about the subsequent task. *Creativity Research Journal*, *14*, 239–251.
- \*Madjar, N., Oldham, G. R., & Pratt, M. G. (2002). There's no place like home? The contributions of work and nonwork creativity support to employees' creative performance. *Academy of Management Journal*, *45*, 757–767.
- Mano, H. (1992). Judgments under distress: Assessing the role of unpleasantness and arousal in judgment formation. *Organizational Behavior and Human Decision Processes*, *52*, 216–245.
- Mano, H. (1997). Affect and persuasion: The influence of pleasantness and arousal on attitude formation and message elaboration. *Psychology & Marketing*, *14*, 315–335.
- Martin, L. L. (2001). Mood as input: A configural view of mood effects. In L. L. Martin & G. L. Clore (Eds.), *Theories of mood and cognition: A user's guidebook* (pp. 135–157). Mahwah, NJ: Erlbaum.
- Martin, L. L., & Stoner, P. (1996). Mood as input: What we think about how we feel determines how we think. In L. L. Martin & A. Tesser (Eds.), *Striving and feeling: Interactions among goals, affect, and selfregulation* (pp. 279–301). Mahwah, NJ: Erlbaum.
- Martin, L. L., Ward, D. W., Achée, J. W., & Wyer, R. S. (1993). Mood as input: People have to interpret the motivational implications of their moods. *Journal of Personality and Social Psychology*, *64*, 317–326.
- Martin, M. (1990). On the induction of mood. *Clinical Psychology Review*, *10*, 669–697.
- Martindale, C. (1995). Creativity and connectionism. In S. M. Smith, T. B. Ward, & R. A. Finke (Eds.), *The creative cognition approach* (pp. 249–268). Cambridge, MA: Bradford.
- Martindale, C. (1999). The biological basis of creativity. In R. J. Sternberg (Ed.), *Handbook of creativity* (pp. 137–152). Cambridge, UK: Cambridge University Press.
- Matt, G. E., & Cook, T. D. (1994). Threats to the validity of research syntheses. In H. Cooper & L. V. Hedges (Eds.), *The handbook of research synthesis* (pp. 503–520). New York: Russell Sage Foundation.
- \*Matthews, G. (1986a). The effects of anxiety on intellectual performance: When and why are they found? *Journal of Research in Personality*, *20*, 385–401.
- \*Matthews, G. (1986b). The interactive effects of extraversion and arousal on performance: Are creativity tests anomalous? *Personality and Individual Differences*, *7*, 751–761.
- Mayer, J. D., Gaschke, Y. N., Braverman, D. L., & Evans, T. W. (1992). Mood-congruent judgment is a general effect. *Journal of Personality and Social Psychology*, *63*, 119–132.
- McCrae, R. R. (1987). Creativity, divergent thinking, and openness to experience. *Journal of Personality and Social Psychology*, *52*, 1258–1265.
- McGrath, R. E., & Meyer, G. J. (2006). When effect sizes disagree: The case of *r* and *d*. *Psychological Methods*, *11*, 386–401.
- Mednick, S. A. (1962). The associative basis of the creative process. *Psychological Review*, *69*, 220–232.

## References

---

- Mednick, S. A., & Mednick, M. T. (1967). *Examiners' manual remote associations test*. Boston, MA: Houghton Mifflin.
- Melton, R. J. (1995). The role of positive affect in syllogism performance. *Personality and Social Psychology Bulletin, 21*, 788–794.
- Mehta, R., & Zhu, R. J. (2009). Blue or red? Exploring the effect of color on cognitive task performances. *Science, 323*, 1226–1229.
- \*Mijares Colmenares, B. E., Masten, W. G., & Underwood, J. R. (1993). Effects of trait anxiety and the Scamper technique on creative thinking of intellectually gifted students. *Psychological Reports, 72*, 907–912.
- \*Mikulincer, M., Kedem, P., & Paz, D. (1990a). Anxiety and categorization: I. The structure and boundaries of mental categories. *Personality and Individual Differences, 11*, 805–814.
- \*Mikulincer, M., Kedem, P., & Paz, D. (1990b). The impact of trait anxiety and situational stress on the categorization of natural objects. *Anxiety Research, 2*, 85–101.
- \*Mikulincer, M., Paz, D., & Kedem, P. (1990c). Anxiety and categorization: II. Hierarchical levels of mental categories. *Personality and Individual Differences, 11*, 815–821.
- \*Mikulincer, M., & Sheffi, E. (2000). Adult attachment style and cognitive reactions to positive affect: A test of mental categorization and creative problem solving. *Motivation and Emotion, 24*, 149–174.
- \*Mitchell, J. E., & Madigan, R. J. (1984). The effects of induced elation and depression on interpersonal problem solving. *Cognitive Therapy and Research, 8*, 277–285.
- Mowrer, O. H. (1960). *Learning theory and behavior*. New York: Wiley.
- Mumford, M. D. (2001). Something old, something new: Revisiting Guilford's conception of creative problem solving. *Creativity Research Journal, 13*, 267–276.
- Mumford, M. D. (2003). Where have we been, where are we going? Taking stock in creativity research. *Creativity Research Journal, 15*, 107–120.
- Mumford, M. D., & Gustafson, S. B. (1988). Creativity syndrome: Integration, application, and innovation. *Psychological Bulletin, 103*, 27–43.
- Muraven, M., & Baumeister, R. F. (2000). Self-regulation and depletion of limited resources: Does self-control resemble a muscle? *Psychological Bulletin, 126*, 247–259.
- Murphy, F. C., Nimmo-Smith, I., & Lawrence, A. D. (2003). Functional neuroanatomy of emotions. A meta-analysis. *Cognitive, Affective and Behavioral Neuroscience, 3*, 207–233.
- \*Murray, N., Sujan, H., Hirt, E. R., & Sujan, M. (1990). The influence of mood on categorization: A cognitive flexibility interpretation. *Journal of Personality and Social Psychology, 59*, 411–425.
- National Research Council (1992). *Combining information: Statistical issues and opportunities for research*. Washington, DC: National Academy Press.
- Nemeth, C. J., & Ormiston, M. (2007). Creative idea generation: Harmony versus stimulation. *European Journal of Social Psychology, 37*, 524–535.
- Newell, A., & Simon, H. A. (1972). *Human problem solving*. Englewood Cliffs, NJ: Prentice-Hall.
- Nijstad, B. A., De Dreu, C. K. W., Rietzschel, E. F., & Baas, M. (2010). The dual-pathway to creativity model: Creative ideation as a function of flexibility and persistence. *European Review of Social Psychology, 10*, 186–213.
- Nijstad, B. A., & Stroebe, W. (2006). How the group affects the mind: A cognitive model of idea generation in groups. *Personality and Social Psychology Review, 10*, 186–213.



- Nijstad, B. A., Stroebe, W., & Lodewijckx, H. F. M. (1999). Persistence of brainstorming groups: How do people know when to stop? *Journal of Experimental Social Psychology, 35*, 165–185.
- Nijstad, B. A., Stroebe, W., & Lodewijckx, H. F. M. (2003). Production blocking and idea generation: Does blocking interfere with cognitive processes? *Journal of Experimental Social Psychology, 39*, 531–548.
- \*Orenbakh, G. (1999). *The effects of emotions on creativity*. Unpublished doctoral dissertation, Adelphi University.
- Ormerod, T. C., MacGregor, J. N., & Chronicle, E. P. (2002). Dynamics and constraints in insight problem solving. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 28*, 791–799.
- Osborn, A. F. (1953). *Applied imagination*. New York: Scribner.
- Pally, S. (1955). Cognitive rigidity as a function of threat. *Journal of Personality, 23*, 346–355.
- Parrott, W. G. (2001). *Emotions in social psychology: Essential readings*. Philadelphia: Psychology Press.
- Paulus, P. B., & Nijstad, B. A. (2003). *Group creativity: Innovation through collaboration*. New York: Oxford University Press.
- Perkins, D. N. (1981). *The mind's best work*. Cambridge, MA, US: Harvard University Press.
- Phan, K. L., Wager, T. D., Taylor, S. F., & Liberzon, I. (2004). Functional neuroimaging studies of human emotions. *CNS Spectrum, 9*, 258–266.
- \*Phillips, L. H., Bull, R., Adams, E., & Fraser, L. (2002). Positive mood and executive function: Evidence from Stroop and fluency tasks. *Emotion, 2*, 12–22.
- Pickering, A. D. & Gray, J. A. (1999). The neuroscience of personality. In L. A. Pervin & O. P. John (Eds.). *Handbook of personality: Theory and research* (2<sup>nd</sup> ed., pp. 277–299). New York: Guilford Press.
- Posner, M. I. (1973). *Cognition: An introduction*. Glenview, IL: Scott, Foresman.
- Posner, J., Russell, J. A., & Peterson, B. S. (2005). The circumplex model of affect: An integrative approach to affective neuroscience, cognitive development, and psychopathology. *Development and Psychopathology, 17*, 715–734.
- Prentice, D. A., & Miller, D. T. (1992). When small effects are impressive. *Psychological Bulletin, 112*, 160–164.
- Probst, T. M., Stewart, S. M., Gruys, M. L., & Tierney, B. W. (2007). Productivity, counterproductivity and creativity: The ups and downs of job insecurity. *Journal of Occupational and Organizational Psychology, 80*, 479–497.
- Richard, F. D., Bond, C. F., Jr., & Stokes-Zoota, J. J. (2003). One hundred years of social psychology quantitatively described. *Review of General Psychology, 7*, 331–363.
- Rietzschel, E. F., De Dreu, C. K. W., & Nijstad, B. A. (2007a). Personal need for structure and creative performance: The moderating influence of fear of invalidity. *Personality and Social Psychology Bulletin, 33*, 855–866.
- Rietzschel, E. F., Nijstad, B. A., & Stroebe, W. (2007b). The effects of knowledge activation on the quantity and quality of ideas. *Journal of Experimental Social Psychology, 43*, 933–946.
- Robbins, T. W. (1984). Cortical noradrenaline, attention and arousal. *Psychological Medicine, 14*, 13–21.

## References

---

- Roenker, D. L., Thompson, C. P., & Brown, S. C. (1971). Comparison of measures for the estimation of clustering in free recall. *Psychological Bulletin*, *76*, 45–48.
- Rosch, E. (1975). Cognitive representations of semantic categories. *Journal of Experimental Psychology: General*, *104*, 192–233.
- Roseman, I. J., Wiest, C., & Swartz, T. S. (1994). Phenomenology, behaviors, and goals differentiate discrete emotions. *Journal of Personality and Social Psychology*, *67*, 206–221.
- Rosenthal, R. (1991). *Meta-analytic procedures for social research* (2<sup>nd</sup> ed.). Newbury Park, CA: Sage.
- Rosenthal, R. (1994). Parametric measures of effect size. In H. Cooper & L. V. Hedges (Eds.), *The handbook of research synthesis* (pp. 231–244). New York: Russell Sage Foundation.
- Rottenberg, J., Ray, R. D., & Gross, J. J. (2007). Emotion elicitation using films. In J. A. Coan & J. J. B. Allen (Eds.), *The handbook of emotion elicitation and assessment* (pp. 9–28). New York: Oxford University Press.
- Rowe, G., Hirsh, J. B., Anderson, A. K. (2007). Positive affect increases the breadth of attentional selection. *Proceedings of the National Academy of Sciences, USA*, *104*, 383–388.
- Ruder, M., & Bless, H. (2003). Mood and the reliance on the ease of retrieval heuristic. *Journal of Personality and Social Psychology*, *85*, 20–32.
- Runco, M. A. (2004). Creativity. *Annual Review of Psychology*, *55*, 657–687.
- Russ, S. W. (1993). *Affect and creativity: The role of affect and play in the creative process*. Hillsdale, NJ: Erlbaum.
- Russ, S. W., & Grossman McKee, A. (1990). Affective expression in children's fantasy play, primary process thinking on the Rorschach, and divergent thinking. *Journal of Personality Assessment*, *54*, 756–771.
- \*Russ, S. W., & Kaugars, A. S. (2001). Emotion in children's play and creative problem solving. *Creativity Research Journal*, *13*, 211–219.
- Russ, S. W., Robins, A. L., & Christiano, B. A. (1999). Pretend play: Longitudinal prediction of creativity and affect in fantasy in children. *Creativity Research Journal*, *12*, 129–139.
- Russell, J. A. (1979). Affective space is bipolar. *Journal of Personality and Social Psychology*, *37*, 345–356.
- Russell, J. A., & Barrett, L. F. (1999). Core affect, prototypical emotional episodes, and other things called emotion: Dissecting the elephant. *Journal of Personality and Social Psychology*, *76*, 805–819.
- Scherer, K. R., Wallbott, H. G., & Summerfield, A. B. (1986). *Experiencing emotions: A cross-cultural study*. Cambridge: Cambridge University Press.
- \*Schlauch, C. (2004). *Affect and information processing outcomes: The influence of valence and activation*. Unpublished doctoral dissertation, University of Akron, Ohio.
- Schmidt, F. L., & Hunter, J. E. (1999). Comparison of three meta-analysis methods revisited: An analysis of Johnson, Mullen, and Salas (1995). *Journal of Applied Psychology*, *84*, 144–148.
- Schmidt, L. A., & Trainor, L. J. (2001). Frontal brain electrical activity (EEG) distinguishes valence and intensity of musical emotions. *Cognition and Emotion*, *15*, 487–500.
- Scholer, A. A., & Higgins, E. T. (2008). Distinguishing levels of approach and avoidance: An analysis using regulatory focus theory. In A. J. Elliot (Ed.), *Handbook of approach and avoidance motivation* (pp. 489–503). New York: Psychology Press.
- Schooler, J. W. (2002). Verbalization produces a transfer inappropriate processing shift. *Applied*

- Cognitive Psychology*, 16, 989–997.
- Schooler, J. W., & Melcher, J. (1995). The ineffability of insight. In S. M. Smith, M. Steven, T. B. Ward, & R. A. Finke (Eds.), *The creative cognition approach* (pp. 97–133). Cambridge, US: The MIT Press.
- Schwarz, N. (1990). Feelings as information: Informational and motivational functions of affective states. In E. T. Higgins & R. Sorrentino (Eds.), *Handbook of motivation and cognition* (Vol. 2, pp. 527–561). New York: Guilford Press.
- Schwarz, N., & Bless, H. (1991). Happy and mindless, but sad and smart? The impact of affective states on analytic reasoning. In J. P. Forgas (Ed.), *Emotion and social judgments* (pp. 55–71). Elmsford, NY: Pergamon Press.
- Schwarz, N., & Clore, G. L. (1983). Mood, misattribution, and judgments of well-being: Informative and directive functions of affective states. *Journal of Personality and Social Psychology*, 45, 513–523.
- Schwarz, N., & Clore, G. L. (1996). Feelings and phenomenal experiences. In E. T. Higgins & A. Kruglanski (Eds.), *Social psychology: A handbook of basic principles* (pp. 433–465). New York: Guilford Press.
- Semin, G. R., Higgins, T., de Montes, L. G., Estourget, Y., & Valencia, J. F. (2005). Linguistic signatures of regulatory focus: How abstraction fits promotion more than prevention. *Journal of Personality and Social Psychology*, 89, 36–45.
- Shah, J., Higgins, E. T., & Friedman, R. S. (1998). Performance incentives and means: How regulatory focus influences goal attainment. *Journal of Personality and Social Psychology*, 74, 285–293.
- Shalley, C., Zhou, J., & Oldham, G. (2004). The effects of personal and contextual characteristics on creativity: Where should we go from here? *Journal of Management*, 30, 933–958.
- Shapiro, P. J., & Weisberg, R. W. (1999). Creativity and bipolar diathesis: Common behavioural and cognitive components. *Cognition and Emotion*, 13, 741–762.
- Simonton, D. K. (1977). Creative productivity, age, and stress: A biographical time-series analysis of 10 classical composers. *Journal of Personality and Social Psychology*, 35, 791–804.
- Simonton, D. K. (1992). The social context of career success and course for 2,026 scientists and inventors. *Personality and Social Psychology Bulletin*, 18, 452–463.
- Simonton, D. K. (1997). Creative productivity: A predictive and explanatory model of career trajectories and landmarks. *Psychological Review*, 104, 66–89.
- Simonton, D. K. (2003). Scientific creativity as constrained stochastic behavior: The integration of product, person, and process perspectives. *Psychological Bulletin*, 129, 475–494.
- Sio, U. N., & Ormerod, T. C. (2009). Does incubation enhance problem solving? A meta-analytic review. *Psychological Bulletin*, 135, 94–120.
- Small, D. A., & Lerner, J. S. (2008). Emotional policy: Personal sadness and anger shape judgments about a welfare case. *Political Psychology*, 29, 149–168.
- \*Smith, B. L. (1993). Interpersonal behaviors that damage the productivity of creative problem solving groups. *Journal of Creative Behavior*, 27, 171–187.
- Smith, C. A., & Ellsworth, P. C. (1985). Patterns of cognitive appraisal in emotion. *Journal of Personality and Social Psychology*, 48, 813–838.
- Smith, K. L., Michael, W. B., & Hocevar, D. (1990). Performance on creativity measures with

## References

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- examination-taking instructions intended to induce high or low levels of test anxiety. *Creativity Research Journal*, 3, 265–280.
- Smith, S. M., & Blankenship, S. E. (1991). Incubation and the persistence of fixation in problem solving. *The American Journal of Psychology*, 104, 61–87.
- Soldat, A. S., & Sinclair, R. C. (2001). Colors, smiles and frowns: External affective cues can directly affect responses to persuasive communications in a mood-like manner without affecting mood. *Social Cognition*, 19, 49–469.
- Spencer, S. J., Zanna, M. P., & Fong, G. T. (2005). Establishing a causal chain: Why experiments are often more effective than mediational analyses in examining psychological processes. *Journal of Personality and Social Psychology*, 89, 845–851.
- Spielberger, C. D. (1968). *State-Trait Anxiety Inventory*. Palo Alto, CA: Consulting Psychologists Press.
- Spielberger, C. D., Gorsuch, R. L., & Lushene, R. E. (1970). *Manual for the State-Trait Inventory*. Palo Alto, CA: Consulting Psychologists Press.
- Staw, B. M., & Barsade, S. G. (1993). Affect and managerial performance: A test of the sadder-but-wiser vs. happier-and-smarter hypotheses. *Administrative Science Quarterly*, 38, 304–331.
- Staw, B. M., Sandelands, L. E., & Dutton, J. E. (1981). Threat-rigidity effects in organizational behavior: A multilevel analysis. *Administrative Science Quarterly*, 26, 501–524.
- Stemmler, G. (1989). The autonomic differentiation of emotions revisited: Convergent and discriminant validation. *Psychophysiology*, 26, 617–632.
- Sternberg, R. J., & Lubart, T. I. (1999). The concept of creativity: Prospects and paradigms. In R. J. Sternberg (Ed.), *Handbook of creativity* (pp. 3–15). New York: Cambridge University Press.
- Strack, F., Schwarz, N., & Gschneidinger, E. (1985). Happiness and reminiscing: The role of time perspective, affect, and mode of thinking. *Journal of Personality and Social Psychology*, 49, 1460–1469.
- \*Strauss, H., Hadar, M., Shavit, H., & Itskowitz, R. (1981). Relationship between creativity, repression, and anxiety in first graders. *Perceptual and Motor Skills*, 53, 275–282.
- Stroebe, W., & Diehl, M. (1991). You can't beat good experiments with correlational evidence: Mullen, Johnson, and Salas's meta-analytic misinterpretations. *Basic and Applied Social Psychology*, 12, 25–32.
- Ten Hoopen, P., & Janssen Groesbeek, M. (2008). *Oh, wat zijn we creatief! Het grote creativiteitsonderzoek bij ondernemend Nederland*. Amsterdam: Business Contact.
- Thayer, R. E. (1989). *The biopsychology of mood and arousal*. New York: Oxford University Press.
- Thompson, M. M., Naccarato, M. E., Parker, K. C. H., & Moskowitz, G. B. (2001). The personal need for structure and personal fear of invalidity measures: Historical perspectives, current applications, and future directions. In G. B. Moskowitz (Ed.), *Cognitive social psychology: The Princeton symposium on the legacy and future of social cognition* (pp. 19–39). Mahwah, NJ: Erlbaum.
- Tiedens, L. Z. (2001). The effect of anger on the hostile inferences of aggressive and non-aggressive people: Specific emotions, cognitive processing, and chronic accessibility. *Motivation and Emotion*, 25, 233–251.
- Tiedens, L. Z., & Linton, S. (2001). Judgment under emotional certainty and uncertainty: The effects of specific emotions on information processing. *Journal of Personality and Social Psychology*, 81, 973–988.

- \*Tighe, E. (1992). *The motivational influences of mood on creativity*. Unpublished doctoral dissertation, Brandeis University, Waltham, Massachusetts.
- Torrance, E. P. (1966). *Torrance tests of creativity*. Princeton, NJ: Personnel Press.
- Treffinger, D. J. (1987). Research on creativity assessment. In S. G. Isaksen (Ed.), *Frontiers of creativity research: Beyond the basics* (pp. 103–119). Buffalo, NY: Bearly.
- Usher, M., Cohen, J. D., Servan Schreiber, D., Rajkowski, J., & Aston Jones, G. (1999). The role of locus coeruleus in the regulation of cognitive performance. *Science*, *283*, 549–554.
- Van-Dijk, D., & Kluger, A. N. (2004). Feedback sign effect on motivation: Is it moderated by regulatory focus? *Applied Psychology: An International Review*, *53*, 113-135.
- Velten, E. (1968). A laboratory task for induction of mood states. *Behaviour Research and Therapy*, *6*, 473–482.
- Verduyn, P., Delvaux, E., Van Coillie, H., Tuerlinckx, F., & Van Mechelen, I. (2009). Predicting the duration of emotional experience: Two experience sampling studies. *Emotion*, *9*, 83-91.
- \*Verhaeghen, P., Joormann, J., & Khan, R. (2005). Why we sing the blues: The relation between self-reflective rumination, mood, and creativity. *Emotion*, *5*, 226–232.
- Vise, D. A. (2005). *The Google story*. New York: Random House.
- \*Vosburg, S. K. (1998a). The effects of positive and negative mood on divergent-thinking performance. *Creativity Research Journal*, *11*, 165–172.
- \*Vosburg, S. K. (1998b). Mood and the quantity and quality of ideas. *Creativity Research Journal*, *11*, 315–331.
- Wacker, J., Heldmann, M., & Stemmler, G. (2003). Separating emotion and motivational direction in fear and anger: Effects on frontal asymmetry. *Emotion*, *3*, 167–193.
- Ward, T. B. (1994). Structured imagination: The role of category structure in exemplar generation. *Cognitive Psychology*, *27*, 1–40.
- Ward, T. B., Smith, S. M., & Finke, R. A. (1999). Creative cognition. In R. J. Sternberg (Ed.), *Handbook of creativity* (pp. 189-212). New York: Cambridge University Press.
- Watson, D., Clark, L. A., & Tellegen, A. (1988). Development and validation of brief measures of positive and negative affect: The PANAS scales. *Journal of Personality and Social Psychology*, *54*, 1063–1070.
- Watson, D., Wiese, D., Vaidya, J., & Tellegen, A. (1999). The two general activation systems of affect: Structural findings, evolutionary considerations, and psychobiological evidence. *Journal of Personality and Social Psychology*, *76*, 820–838.
- Weisberg, R. W. (1994). Genius and madness? A quasi-experimental test of the hypothesis that manic-depression increases creativity. *Psychological Science*, *5*, 361–367.
- White, M. (2001). *Rivals: Conflict as the fuel of science*. London: Secker & Warburg.
- Wickens, C. D. (1984). Processing resources in attention. In R. Parasuraman (Ed.), *Varieties of attention*. Florida: Academic Press.
- Wickens, C. D., & Kessel, C. (1980). Processing resource demands of failure detection in dynamic systems. *Journal of Experimental Psychology: Human Perception and Performance*, *6*, 564–577.
- Woodman, R. W., Sawyer, J. E., & Griffin, R. W. (1993). Toward a theory of organizational creativity. *Academy of Management Review*, *18*, 293–321.
- Xie, B., & Salvendy, G. (2000). Review and reappraisal of modeling and predicting mental workload

## References

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- in single- and multi-task environments. *Work and Stress*, 14, 74-99.
- Yerkes, R. M., & Dodson, J. D. (1908). The relation of strength of stimulus to rapidity of habit formation. *Journal of Comparative Neurology and Psychology*, 18, 459-482.
- Zeigarnik, B. (1927). Das Behalten erledigter und unerledigter Handlungen [The memory of completed and uncompleted actions]. *Psychologische Forschung*, 9, 1-85.
- \*Zenasni, F., & Lubart, T. (2002). Effects of mood states on creativity. *Current Psychology Letters: Behaviour, Brain and Cognition*, 8, 33-50.
- \*Zenasni, F., & Lubart, T. (2006). *Emotional state, individual emotional characteristics and creative potential: Two kinds of processes?* Manuscript submitted for publication.
- Zervos, C. (1946). Conversation avec Picasso. In A. H. Barr Jr. (Ed. & Trans.), *Picasso: Fifty years of his art*. New York: Museum of Modern Art.
- Zhou, J., & George, J. M. (2001). When job dissatisfaction leads to creativity: Encouraging the expression of voice. *Academy of Management Journal*, 44, 682-696.
- \*Ziv, A. (1983). The influence of humorous atmosphere on divergent thinking. *Contemporary Educational Psychology*, 8, 68-75.