



Universiteit  
Leiden

The Netherlands

## **The drive to control : how affect and motivation regulate cognitive control**

Steenbergen, H. van

### **Citation**

Steenbergen, H. van. (2012, January 17). *The drive to control : how affect and motivation regulate cognitive control*. Retrieved from <https://hdl.handle.net/1887/18365>

Version: Not Applicable (or Unknown)

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/18365>

**Note:** To cite this publication please use the final published version (if applicable).

# References



- Abel, M. H. & Maxwell, D. (2002). Humor and affective consequences of a stressful task. *Journal of Social and Clinical Psychology, 21*, 165-190.
- Ach, N. (1935). Analyse des Willens [Analysis of the will]. In E. Abderhalden (Ed.), *Handbuch der biologischen Arbeitsmethoden (Vol. VI)* (Berlin: Urban & Schwarzenberg).
- Agnew, N. & Agnew, M. (1963). Drive level effects on tasks of narrow and broad attention. *Quarterly Journal of Experimental Psychology, 15*, 58-62.
- Akçay, C. & Hazeltine, E. (2007). Conflict monitoring and feature overlap: Two sources of sequential modulations. *Psychonomic Bulletin & Review, 14*, 742-748.
- Alexander, G. E., DeLong, M. R., & Strick, P. L. (1986). Parallel organization of functionally segregated circuits linking basal ganglia and cortex. *Annual Review of Neuroscience, 9*, 357-381.
- Alexander, J. K., Hillier, A., Smith, R. M., Tivarus, M. E., & Beversdorf, D. Q. (2007). Beta-adrenergic modulation of cognitive flexibility during stress. *Journal of Cognitive Neuroscience, 19*, 468-478.
- Anderson, K. J. (1990). Arousal and the inverted-U hypothesis - A critique of Neiss reconceptualizing arousal. *Psychological Bulletin, 107*, 96-100.
- Andrews, P. W. & Thomson, J. A. (2009). The bright side of being blue: Depression as an adaptation for analyzing complex problems. *Psychological Review, 116*, 620-654.
- Aristotle (1934). *Aristotle in 23 Volumes*. (vols. 19) Cambridge, MA: Harvard University Press.
- Aristotle (2009). *The Nicomachean ethics*. Oxford: Oxford University Press.
- Aron, A., Fisher, H., Mashek, D. J., Strong, G., Li, H. F., & Brown, L. L. (2005). Reward, motivation, and emotion systems associated with early-stage intense romantic love. *Journal of Neurophysiology, 94*, 327-337.
- 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.
- Aston-Jones, G. & Cohen, J. D. (2005). An integrative theory of locus coeruleus-norepinephrine function: Adaptive gain and optimal performance. *Annual Review of Neuroscience, 28*, 403-450.
- Aston-Jones, G., Rajkowski, J., Kubiak, P., Valentino, R. J., & Shipley, M. T. (1996). Role of the locus coeruleus in emotional activation. In *Emotional Motor System Progress in Brain Research* (pp. 379-402). Amsterdam: Elsevier Science Publ.
- Azim, E., Mobbs, D., Jo, B., Menon, V., & Reiss, A. L. (2005). Sex differences in brain activation elicited by humor. *Proceedings of the National Academy of Sciences of the United States of America, 102*, 16496-16501.
- Baddeley, A. D. (1972). Selective attention and performance in dangerous environments. *British Journal of Psychology, 63*, 537-546.
- Barbano, M. F. & Cador, M. (2007). Opioids for hedonic experience and dopamine to get ready for it. *Psychopharmacology, 191*, 497-506.
- Bartels, A. & Zeki, S. (2000). The neural basis of romantic love. *Neuroreport, 11*, 3829-3834.
- Basar-Eroglu, C. & Demiralp, T. (2001). Event-related theta oscillations: an integrative and comparative approach in the human and animal brain. *International Journal of Psychophysiology, 39*, 167-195.

- Baumeister, R. F., Heatherton, T. F., & Tice, D. M. (1994). *Losing control: How and why people fail at self-regulation*. San Diego, CA: Academic Press.
- Beach, F. A. (1976). Sexual attractivity, proceptivity, and receptivity in female mammals. *Hormones and Behavior*, 7, 105-138.
- Beatty, J. & Lucero-Wagoner, B. (2000). The pupillary system. In J.T.Cacioppo, L. G. Tassinary, & G. Berntson (Eds.), *Handbook of Psychophysiology* (pp. 142-162). Cambridge: Cambridge University Press.
- Beatty, J. (1982). Task-evoked pupillary responses, processing load, and the structure of processing resources. *Psychological bulletin*, 91, 276-292.
- Beauchamp, M. H. & Anderson, V. (2010). SOCIAL: An integrative framework for the development of social skills. *Psychological Bulletin*, 136, 39-64.
- Beaver, J. D., Lawrence, A. D., Van Ditzhuijzen, J., Davis, M. H., Woods, A., & Calder, A. J. (2006). Individual differences in reward drive predict neural responses to images of food. *Journal of Neuroscience*, 26, 5160-5166.
- Beck, A. T. (1976). *Cognitive therapy and the emotional disorders*. New York: International Universities Press.
- Beckmann, C. F., Jenkinson, M., & Smith, S. M. (2003). General multilevel linear modeling for group analysis in FMRI. *Neuroimage*, 20, 1052-1063.
- Berkman, E. T. & Lieberman, M. D. (2010). Approaching the bad and avoiding the good: Lateral prefrontal cortical asymmetry distinguishes between action and valence. *Journal of Cognitive Neuroscience*, 22, 1970-1979.
- Berlyne, D. E. (1960). *Conflict, Arousal, and Curiosity*. New York: McGraw-Hill.
- Berridge, K. C. (2007). The debate over dopamine's role in reward: the case for incentive salience. *Psychopharmacology*, 191, 391-431.
- Berridge, K. C. & Robinson, T. E. (2003). Parsing reward. *Trends in Neurosciences*, 26, 507-513.
- Bocanegra, B. R. & Zeelenberg, R. (2009). Dissociating emotion-induced blindness and hypervision. *Emotion*, 9, 865-873.
- Booij, L., van der Does, A. J. W., Haffmans, P. M. J., & Riedel, W. J. (2005). Acute tryptophan depletion in depressed patients treated with a selective serotonin-noradrenalin reuptake inhibitor: Augmentation of antidepressant response? *Journal of Affective Disorders*, 86, 305-311.
- Booij, L., van der Does, A. J. W., Haffmans, P. M. J., Riedel, W. J., Fekkes, D., & Blom, M. J. B. (2005). The effects of high-dose and low-dose tryptophan depletion on mood and cognitive functions of remitted depressed patients. *Journal of Psychopharmacology*, 19, 267-275.
- Booij, L., van der Does, A. J. W., & Riedel, W. J. (2003). Monoamine depletion in psychiatric and healthy populations: review. *Molecular Psychiatry*, 8, 951-973.
- Booij, L., van der Does, A. J. W., Spinhoven, P., & McNally, R. J. (2005). Acute tryptophan depletion as a model of depressive relapse - Behavioural specificity and ethical considerations. *British Journal of Psychiatry*, 187, 148-154.
- Botvinick, M., Nystrom, L. E., Fissell, K., Carter, C. S., & Cohen, J. D. (1999). Conflict monitoring versus selection-for-action in anterior cingulate cortex. *Nature*, 402, 179-181.

- Botvinick, M. M. (2007). Conflict monitoring and decision making: Reconciling two perspectives on anterior cingulate function. *Cognitive Affective & Behavioral Neuroscience*, 7, 356-366.
- Botvinick, M. M., Braver, T. S., Barch, D. M., Carter, C. S., & Cohen, J. D. (2001). Conflict monitoring and cognitive control. *Psychological Review*, 108, 624-652.
- Bradley, M. M. (2000). Emotion and motivation. In J.T.Cacioppo, L. G. Tassinary, & G. G. Berntson (Eds.), *Handbook of Psychophysiology* (2nd ed., pp. 602-642). Cambridge: Cambridge University Press.
- Bradley, M. M., Miccoli, L., Escrig, M. A., & Lang, P. J. (2008). The pupil as a measure of emotional arousal and autonomic activation. *Psychophysiology*, 45, 602-607.
- Braver, T. S. & Cohen, J. D. (2000). On the control of control: The role of dopamine in regulating prefrontal function and working memory. In S.Monsell & J. Driver (Eds.), *Control of cognitive processes: attention and performance* (XVIII ed., pp. 713-737). London: The MIT Press.
- Brehm, J. W. & Self, E. A. (1989). The intensity of motivation. *Annual Review of Psychology*, 40, 109-131.
- Brehm, J. W., Wright, R. A., Solomon, S., Silka, L., & Greenberg, J. (1983). Perceived difficulty, energization, and the magnitude of goal valence. *Journal of Experimental Social Psychology*, 19, 21-48.
- Briand, L. A., Gritton, H., Howe, W. M., Young, D. A., & Sarter, M. (2007). Modulators in concert for cognition: Modulator interactions in the prefrontal cortex. *Progress in Neurobiology*, 83, 69-91.
- Brinkmann, K. & Gendolla, G. H. E. (2007). Dysphoria and mobilization of mental effort: Effects on cardiovascular reactivity. *Motivation and Emotion*, 31, 71-82.
- Brinkmann, K. & Gendolla, G. H. E. (2008). Does depression interfere with effort mobilization? Effects of dysphoria and task difficulty on cardiovascular response. *Journal of Personality and Social Psychology*, 94, 146-157.
- Broadbent, D. E. (1958). *Perception and Communication*. London: Pergamon.
- Bromberg-Martin, E. S., Matsumoto, M., & Hikosaka, O. (2010). Dopamine in motivational control: rewarding, aversive, and alerting. *Neuron*, 68, 815-834.
- Brown, G. G., Kindermann, S. S., Siegle, G. J., Granholm, E., Wong, E. C., & Buxton, R. B. (1999). Brain activation and pupil response during covert performance of the Stroop Color Word task. *Journal of the International Neuropsychological Society*, 5, 308-319.
- Brown, J. W., Reynolds, J. R., & Braver, T. S. (2007). A computational model of fractionated conflict-control mechanisms in task-switching. *Cognitive Psychology*, 55, 37-85.
- Bush, G., Luu, P., & Posner, M. I. (2000). Cognitive and emotional influences in anterior cingulate cortex. *Trends in Cognitive Sciences*, 4, 215-222.
- Cabanac, M. (1971). Physiological role of pleasure. *Science*, 173, 1103-&.
- Cabanac, M. (1992). Pleasure - the common currency. *Journal of Theoretical Biology*, 155, 173-200.
- Cabestrero, R., Crespo, A., & Quiros, P. (2009). Pupillary dilation as an index of task demands. *Perceptual and Motor Skills*, 109, 664-678.

- Callaway, E. (1959). The influence of amobarbital (amylobarbitone) and methamphetamine on the focus of attention. *Journal of Mental Science*, 105, 382-392.
- 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.
- Cattell, J. M. (1886). The time it takes to see and name objects. *Mind*, 11, 63-65.
- Cavanagh, J. F., Cohen, M. X., & Allen, J. J. B. (2009). Prelude to and resolution of an error: EEG phase synchrony reveals cognitive control dynamics during action monitoring. *Journal of Neuroscience*, 29, 98-105.
- Chajut, E. & Algom, D. (2003). Selective attention improves under stress: Implications for theories of social cognition. *Journal of Personality and Social Psychology*, 85, 231-248.
- Chen, Z. (2003). Attentional focus, processing load, and Stroop interference. *Perception & Psychophysics*, 65, 888-900.
- Chepenik, L. G., Cornew, L. A., & Farah, M. J. (2007). The influence of sad mood on cognition. *Emotion*, 7, 802-811.
- Christianson, S. A. (1992). Emotional stress and eyewitness memory - A critical review. *Psychological Bulletin*, 112, 284-309.
- Cohen, M. X. (2011). It's about time. *Frontiers in Human Neuroscience*, 5.
- Cohen, M. X., Elger, C. E., & Fell, J. (2009). Oscillatory activity and phase-amplitude coupling in the human medial frontal cortex during decision making. *Journal of Cognitive Neuroscience*, 21, 390-402.
- Cohen, M. X., Elger, C. E., & Ranganath, C. (2007). Reward expectation modulates feedback-related negativity and EEG spectra. *Neuroimage*, 35, 968-978.
- Cohen, M. X., Ridderinkhof, K. R., Haupt, S., Elger, C. E., & Fell, J. (2008). Medial frontal cortex and response conflict: Evidence from human intracranial EEG and medial frontal cortex lesion. *Brain Research*, 1238, 127-142.
- Cohen, N., Henik, A., & Mor, N. (2011). Can emotion modulate attention? Evidence for reciprocal links in the Attentional Network Test. *Experimental Psychology*, 58, 171-179.
- Cohen, S. (1980). Aftereffects of stress on human performance and social behavior - A review of research and theory. *Psychological Bulletin*, 88, 82-108.
- Collins, W. A., Welsh, D. R., & Furman, W. (2009). Adolescent romantic relationships. *Annual Review of Psychology*, 60, 631-652.
- Compton, R. J., Arnstein, D., Freedman, G., Dainer-Best, J., Liss, A., & Robinson, M. D. (2011). Neural and behavioral measures of error-related cognitive control predict daily coping with stress. *Emotion*, 11, 379-390.
- Cools, R. (2008). Role of dopamine in the motivational and cognitive control of behavior. *Neuroscientist*, 14, 381-395.
- Cools, R., Roberts, A. C., & Robbins, T. W. (2008). Serotonergic regulation of emotional and behavioural control processes. *Trends in Cognitive Sciences*, 12, 31-40.
- Cornelius, R. R. (2006). Magda Arnold's Thomistic theory of emotion, the self-ideal, and the moral dimension of appraisal. *Cognition & emotion*, 20, 976-1000.
- Damasio, A. (1994). *Descartes' Error: Emotion, Reason, and the Human Brain*. New York: Putnam.

- Danielmeier, C., Eichele, T., Forstmann, B. U., Tittgemeyer, M., & Ullsperger, M. (2011). Posterior medial frontal cortex activity predicts post-error adaptations in task-related visual and motor areas. *Journal of Neuroscience*, 31, 1780-1789.
- Davidson, R. J. (1993). Cerebral asymmetry and emotion - Conceptual and methodological conundrums. *Cognition & emotion*, 7, 115-138.
- Davidson, R. J. (2004). What does the prefrontal cortex "do" in affect: perspectives on frontal EEG asymmetry research. *Biological Psychology*, 67, 219-233.
- Davidson, R. J., Pizzagalli, D., Nitschke, J. B., & Putnam, K. (2002). Depression: Perspectives from affective neuroscience. *Annual Review of Psychology*, 53, 545-574.
- de Burgo, J. & Gendolla, G. H. E. (2009). Are moods motivational states? A study on effort-related cardiovascular response. *Emotion*, 9, 892-897.
- Derryberry, D. & Tucker, D. M. (1994). Motivating the focus of attention. In P.M.Niedental & S. Kitayama (Eds.), *The heart's eye: emotional influences in perception and action* (pp. 167-196). San Diego, California: Academic Press.
- Desimone, R. & Duncan, J. (1995). Neural mechanisms of selective visual attention. *Annual Review of Neuroscience*, 18, 193-222.
- di Pellegrino, G., Ciaramelli, E., & Ladavas, E. (2007). The regulation of cognitive control following rostral anterior cingulate cortex lesion in humans. *Journal of Cognitive Neuroscience*, 19, 275-286.
- Dreisbach, G. & Fischer, R. (2011). If it's hard to read... try harder! Processing fluency as signal for effort adjustments. *Psychological Research*, 75, 376-383.
- 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.
- Duncan, J. (1984). Selective attention and the organization of visual information. *Journal of Experimental Psychology-General*, 113, 501-517.
- Easterbrook, J. A. (1959). The effect of emotion on cue utilization and the organization of behavior. *Psychological review*, 66, 183-201.
- Egner, T. (2007). Congruency sequence effects and cognitive control. *Cognitive Affective & Behavioral Neuroscience*, 7, 380-390.
- Egner, T. (2008). Multiple conflict-driven control mechanisms in the human brain. *Trends in Cognitive Sciences*.
- Egner, T. & Hirsch, J. (2005). Cognitive control mechanisms resolve conflict through cortical amplification of task-relevant information. *Nature Neuroscience*, 8, 1784-1790.
- Eich, E., Ng, J. T. W., Macaulay, D., Percy, A. D., & Grebneva, I. (2007). Combining music with thought to change mood. In J.A.Coan & J. B. Allen (Eds.), *The handbook of emotion elicitation and assessment* (pp. 124-136). New York: Oxford University Press.
- Eriksen, B. A. & Eriksen, C. W. (1974). Effects of noise letters upon identification of a target letter in a nonsearch task. *Perception & Psychophysics*, 16, 143-149.
- Everling, S. & Fischer, B. (1998). The antisaccade: a review of basic research and clinical studies. *Neuropsychologia*, 36, 885-899.
- Evers, E. A. T., van der Veen, F. M., Jolles, J., Deutz, N. E. P., & Schmitt, J. A. J. (2009). The effect of acute tryptophan depletion on performance and the BOLD response during a



- Stroop task in healthy first-degree relatives of patients with unipolar depression. *Psychiatry Research: Neuroimaging*, 173, 52-58.
- Fekkes, D., Vandalen, A., Edelman, M., & Voskuilen, A. (1995). Validation of the determination of amino-acids in plasma by high-performance liquid-chromatography using automated precolumn derivatization with o-phthaldialdehyde. *Journal of Chromatography B: Biomedical Applications*, 669, 177-186.
- Festinger, L. (1957). *A theory of cognitive dissonance*. Stanford, CA: Stanford University Press.
- Finkelmeyer, A., Kellermann, T., Bude, D., Niessen, T., Schwenzler, M., Mathiak, K. et al. (2010). Effects of aversive odour presentation on inhibitory control in the Stroop colour-word interference task. *Bmc Neuroscience*, 11.
- Finucane, A. M., Whiteman, M. C., & Power, M. J. (2010). The effect of happiness and sadness on alerting, orienting, and executive attention. *Journal of Attention Disorders*, 13, 629-639.
- First, M. B., Spitzer, R. L., Gibbon, M., & Williams, J. B. W. (2005). *Structured Clinical Interview for DSM-IV Axis I Disorders, Patient edn (SCIDI/P)*. New York: Biometrics Research Department, NYSPI.
- Fischer, R., Dreisbach, G., & Goschke, T. (2008). Context-sensitive adjustments of cognitive control: Conflict-adaptation effects are modulated by processing demands of the ongoing task. *Journal of Experimental Psychology-Learning Memory and Cognition*, 34, 712-718.
- Fisher, H. E. (1998). Lust, attraction, and attachment in mammalian reproduction. *Human Nature-An Interdisciplinary Biosocial Perspective*, 9, 23-52.
- Fisher, H. E., Aron, A., & Brown, L. L. (2006). Romantic love: a mammalian brain system for mate choice. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 361, 2173-2186.
- Flanagan, O. J. (2007). *The really hard problem: Meaning in a material world*. Cambridge, MA: Massachusetts Institute of Technology.
- Fontaine, J. R. J., Scherer, K. R., Roesch, E. B., & Ellsworth, P. C. (2007). The world of emotions is not two-dimensional. *Psychological Science*, 18, 1050-1057.
- Forgas, J. P. (1995). Mood and judgment - the Affect infusion model (Aim). *Psychological bulletin*, 117, 39-66.
- Forster, S. E., Carter, C. S., Cohen, J. D., & Cho, R. Y. (2011). Parametric manipulation of the conflict signal and control-state adaptation. *Journal of Cognitive Neuroscience*, 23, 923-935.
- Frank, E., Prien, R. F., Jarrett, R. B., Keller, M. B., Kupfer, D. J., Lavori, P. W. et al. (1991). Conceptualization and rationale for consensus definitions of terms in major depressive disorder - remission, recovery, relapse, and recurrence. *Archives of General Psychiatry*, 48, 851-855.
- Frank, M. J. (2005). Dynamic dopamine modulation in the basal ganglia: A neurocomputational account of cognitive deficits in medicated and nonmedicated Parkinsonism. *Journal of Cognitive Neuroscience*, 17, 51-72.

- Franken, I. H. A. & Muris, P. (2006). Gray's impulsivity dimension: A distinction between reward sensitivity versus rash impulsiveness. *Personality and Individual Differences, 40*, 1337-1347.
- Franken, I. H. A., Muris, P., & Rassin, E. (2005). Psychometric properties of the Dutch BIS/BAS Scales. *Journal of Psychopathology and Behavioral Assessment, 27*, 25-30.
- 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., Mancuso, R. A., Branigan, C., & Tugade, M. M. (2000). The undoing effect of positive emotions. *Motivation and Emotion, 24*, 237-258.
- Friedman, R. S. & Forster, J. (2011). Limitations of the motivational intensity model of attentional tuning: Reply to Harmon-Jones, Gable, and Price (2011). *Psychological Bulletin, 137*, 513-516.
- Friston, K. J., Buechel, C., Fink, G. R., Morris, J., Rolls, E., & Dolan, R. J. (1997). Psychophysiological and modulatory interactions in neuroimaging. *Neuroimage, 6*, 218-229.
- Fusar-Poli, P., Allen, P., McGuire, P., Placentino, A., Cortesi, M., & Perez, J. (2006). Neuroimaging and electrophysiological studies of the effects of acute tryptophan depletion: a systematic review of the literature. *Psychopharmacology, 188*, 131-143.
- Gable, P. & Harmon-Jones, E. (2010a). The blues broaden, but the nasty narrows: Attentional consequences of negative affects low and high in motivational intensity. *Psychological Science, 21*, 211-215.
- Gable, P. & Harmon-Jones, E. (2010b). The motivational dimensional model of affect: Implications for breadth of attention, memory, and cognitive categorisation. *Cognition & emotion, 24*, 322-337.
- Gable, P. A. & Harmon-Jones, E. (2008). Approach-motivated positive affect reduces breadth of attention. *Psychological Science, 19*, 476-482.
- Garland, E. L., Fredrickson, B., Kring, A. M., Johnson, D. P., Meyer, P. S., & Penn, D. L. (2010). Upward spirals of positive emotions counter downward spirals of negativity: Insights from the broaden-and-build theory and affective neuroscience on the treatment of emotion dysfunctions and deficits in psychopathology. *Clinical Psychology Review, 30*, 849-864.
- Gasper, K. (2004). Do you see what I see? Affect and visual information processing. *Cognition & emotion, 18*, 405-421.
- 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.
- Gehring, W. J., Goss, B., Coles, M. G. H., Meyer, D. E., & Donchin, E. (1993). A neural system for error detection and compensation. *Psychological Science, 4*, 385-390.
- Gehring, W. J. & Willoughby, A. R. (2002). The medial frontal cortex and the rapid processing of monetary gains and losses. *Science, 295*, 2279-2282.
- Gendolla, G. H., Abele, A. E., & Krusken, J. (2001). The informational impact of mood on effort mobilization: a study of cardiovascular and electrodermal responses. *Emotion, 1*, 12-24.
- 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.
- Gendolla, G. H. E. & Krusken, J. (2002). The joint effect of informational mood impact and performance-contingent consequences on effort-related cardiovascular response. *Journal of Personality and Social Psychology, 83*, 271-283.
- Gendolla, G. H. E. & Richter, M. (2010). Effort mobilization when the self is involved: Some lessons from the cardiovascular system. *Review of general psychology, 14*, 212-226.
- Gendolla, G. H. E., Wright, R. A., & Richter, M. (2011). Effort intensity: Studies of cardiovascular response. In R. Ryan (Ed.), *The Oxford handbook on motivation* (New York: Oxford University Press).
- Goldfarb, L. & Henik, A. (2007). Evidence for task conflict in the Stroop effect. *Journal of Experimental Psychology-Human Perception and Performance, 33*, 1170-1176.
- Goschke, T. & Dreisbach, G. (2008). Conflict-triggered goal shielding: Response conflicts attenuate background monitoring for prospective memory cues. *Psychological Science, 19*, 25-32.
- Granholm, E., Asarnow, R. F., Sarkin, A. J., & Dykes, K. L. (1996). Pupillary responses index cognitive resource limitations. *Psychophysiology, 33*, 457-461.
- Granholm, E. & Steinhauer, S. R. (2004). Pupillometric measures of cognitive and emotional processes. *International Journal of Psychophysiology, 52*, 1-6.
- Gratton, G., Coles, M. G. H., & Donchin, E. (1983). A new method for off-line removal of ocular artifact. *Electroencephalography and Clinical Neurophysiology, 55*, 468-484.
- Gratton, G., Coles, M. G. H., & Donchin, E. (1992). Optimizing the use of information: Strategic control of activation of responses. *Journal of Experimental Psychology-General, 121*, 480-506.
- Gray, J. R. (1989). Fundamental systems of emotion in the mammalian brain. In D.S. Palermo (Ed.), *Coping with Uncertainty: Behavioral and Developmental Perspectives* (pp. 173-195). Hillsdale, NJ: Lawrence Erlbaum.
- Gray, J. R. (2004). Integration of emotion and cognitive control. *Current Directions in Psychological Science, 13*, 46-48.
- Greenwald, A. G. & Rosenberg, K. E. (1978). Sequential effects of distracting stimuli in a selective attention reaction time task. In J. Requin (Ed.), *Attention and performance VII* (pp. 487-504). Hillsdale, N.J: Erlbaum.
- Gruber, J., Mauss, I. B., & Tamir, M. (2011). A dark side of happiness? How, when, and why happiness is not always good. *Perspectives on Psychological Science, 6*, 222-233.
- Haber, S. N. & Knutson, B. (2010). The reward circuit: Linking primate anatomy and human imaging. *Neuropsychopharmacology, 35*, 4-26.
- Hajcak, G., McDonald, N., & Simons, R. F. (2004). Error-related psychophysiology and negative affect. *Brain and Cognition, 56*, 189-197.
- Hallett, P. E. (1978). Primary and secondary saccades to goals defined by instructions. *Vision Research, 18*, 1279-1296.
- Hamilton, M. (1960). A rating scale for depression. *Journal of Neurology Neurosurgery and Psychiatry, 23*, 56-62.

- Hanslmayr, S., Pastotter, B., Bauml, K. H., Gruber, S., Wimber, M., & Klimesch, W. (2008). The electrophysiological dynamics of interference during the stroop task. *Journal of Cognitive Neuroscience, 20*, 215-225.
- Harmon-Jones, E., Amodio, D. M., & Harmon-Jones, C. (2009). Action-based model of dissonance: A review, integration, and expansion of conceptions of cognitive conflict. In *Advances in Experimental Social Psychology* (pp. 119-166).
- Harmon-Jones, E. & Gable, P. A. (2009). Neural activity underlying the effect of approach-motivated positive affect on narrowed attention. *Psychological Science, 20*, 406-409.
- Harmon-Jones, E., Gable, P. A., & Price, T. F. (2011). Toward an understanding of the influence of affective states on attentional tuning: Comment on Friedman and Forster (2010). *Psychological Bulletin, 137*, 508-512.
- Hatfield, E. & Sprecher, S. (1986). Measuring passionate love in intimate-relationships. *Journal of Adolescence, 9*, 383-410.
- Heidegger, M. (1929). *Die Grundbegriffe der Metaphysik* (translated by William Blattner). In *Gesamtausgabe, Bd. 29-30* (pp. 99-103).
- Heinrich, S. P. (2007). A primer on motion visual evoked potentials. *Documenta Ophthalmologica, 114*, 83-105.
- Heinrich, S. P., Schilling, A. M., & Bach, M. (2006). Motion adaptation: net duration matters, not continuousness. *Experimental Brain Research, 169*, 461-466.
- Hill, R. D., van Boxtel, M. P. J., Ponds, R., Houx, P. J., & Jolles, J. (2005). Positive affect and its relationship to free recall memory performance in a sample of older Dutch adults from the Maastricht Aging Study. *International Journal of Geriatric Psychiatry, 20*, 429-435.
- Hillgruber, A. (1912). Fortlaufende Arbeit und Willensbetätigung [Continuous work and will performance]. *Untersuchungen zur Psychologie und Philosophie, 1*.
- Holmes, A. J., Bogdan, R., & Pizzagalli, D. A. (2010). Serotonin transporter genotype and action monitoring dysfunction: A possible substrate underlying increased vulnerability to depression. *Neuropsychopharmacology, 35*, 1186-1197.
- Holmes, A. J. & Pizzagalli, D. A. (2007). Task feedback effects on conflict monitoring and executive control: Relationship to subclinical measures of depression. *Emotion, 7*, 68-76.
- Holroyd, C. B. & Coles, M. G. H. (2002). The neural basis of human error processing: Reinforcement learning, dopamine, and the error-related negativity. *Psychological Review, 109*, 679-709.
- Holroyd, C. B., Pakzad-Vaezi, K. L., & Krigolson, O. E. (2008). The feedback correct-related positivity: Sensitivity of the event-related brain potential to unexpected positive feedback. *Psychophysiology, 45*, 688-697.
- Hommel, B., Proctor, R. W., & Vu, K. P. L. (2004). A feature-integration account of sequential effects in the Simon task. *Psychological Research-Psychologische Forschung, 68*, 1-17.
- Hull, C. L. (1943). *Principles of Behavior*. New York: Appleton-Century.
- Hutton, S. B. & Ettinger, U. (2006). The antisaccade task as a research tool in psychopathology: A critical review. *Psychophysiology, 43*, 302-313.
- 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.

- Jankowiak, W. R. & Fischer, E. F. (1992). A cross-cultural-perspective on romantic love. *Ethnology*, 31, 149-155.
- Jefferies, L. N., Smilek, D., Eich, E., & Enns, J. T. (2008). Emotional valence and arousal interact in attentional control. *Psychological Science*, 19, 290-295.
- Jenkinson, M., Bannister, P., Brady, M., & Smith, S. (2002). Improved optimization for the robust and accurate linear registration and motion correction of brain images. *Neuroimage*, 17, 825-841.
- Jenkinson, M. & Smith, S. (2001). A global optimisation method for robust affine registration of brain images. *Medical Image Analysis*, 5, 143-156.
- Jocham, G. & Ullsperger, M. (2009). Neuropharmacology of performance monitoring. *Neuroscience and Biobehavioral Reviews*, 33, 48-60.
- Kahneman, D. (1973). *Attention and effort*. Englewood Cliffs, New Jersey: Prentice-Hall.
- Kahneman, D. & Chajczyk, D. (1983). Tests of the automaticity of reading - dilution of Stroop effects by color-irrelevant stimuli. *Journal of Experimental Psychology-Human Perception and Performance*, 9, 497-509.
- Kerns, J. G., Cohen, J. D., MacDonald, A. W., Cho, R. Y., Stenger, V. A., & Carter, C. S. (2004). Anterior Cingulate conflict monitoring and adjustments in control. *Science*, 303, 1023-1026.
- Kesebir, P. & Diener, E. (2008). In pursuit of happiness: Empirical answers to philosophical questions. *Perspectives on Psychological Science*, 3, 117-125.
- Koole, S. L. & Jostmann, N. B. (2004). Getting a grip on your feelings: Effects of action orientation and external demands on intuitive affect regulation. *Journal of personality and social psychology*, 87, 974-990.
- Kornblum, S., Hasbroucq, T., & Osman, A. (1990). Dimensional overlap - Cognitive basis for stimulus-response compatibility - A model and taxonomy. *Psychological Review*, 97, 253-270.
- Kringelbach, M. L. & Berridge, K. C. (2009). Towards a functional neuroanatomy of pleasure and happiness. *Trends in Cognitive Sciences*, 13, 479-487.
- Kristjansson, A. (2007). Saccade landing point selection and the competition account of pro- and antisaccade generation: The involvement of visual attention - A review. *Scandinavian Journal of Psychology*, 48, 97-113.
- Kuhl, J. (2000). A functional-design approach to motivation and self-regulation: The dynamics of personality systems interactions. In M. Boekaerts, P. R. Pintrich, & M. Zeidner (Eds.), *Handbook of Self-regulation* (pp. 111-169). San Diego: Academic Press.
- Kuhl, J. & Kazen, M. (1999). Volitional facilitation of difficult intentions: Joint activation of intention memory and positive affect removes Stroop interference. *Journal of Experimental Psychology-General*, 128, 382-399.
- Kukla, A. (1972). Foundations of an attributional theory of performance. *Psychological Review*, 79, 454-&.
- Laberge, D., Brown, V., Carter, M., Bash, D., & Hartley, A. (1991). Reducing the effects of adjacent distractors by narrowing attention. *Journal of Experimental Psychology-Human Perception and Performance*, 17, 65-76.

- Lacey, J. I. (1967). Somatic response patterning and stress: Some revisions of activation theory. In M.H.Appley & R. Trumbull (Eds.), *Psychological Stress: Issues in Research* (pp. 14-38). New York: Appleton-Century-Crofts.
- Laeng, B., Orbo, M., Holmlund, T., & Miozzo, M. (2011). Pupillary Stroop effects. *Cognitive Processing*, 12, 13-21.
- Lang, P. J., Bradley, M. M., & Cuthbert, B. N. (2008). *International affective picture system (IAPS): Affective ratings of pictures and instruction manual. Technical Report A-8*. University of Florida, Gainesville, FL.
- Langeslag, S. J. E., Jansma, B. A., Franken, I. H. A., & Van Strien, J. W. (2007). Event-related potential responses to love-related facial stimuli. *Biological Psychology*, 76, 109-115.
- Larsen, J. T. & Norris, J. I. (2009). A facial electromyographic investigation of affective contrast. *Psychophysiology*, 46, 831-842.
- Larsen, R. J. & Diener, E. (1992). Promises and problems with the circumplex model of emotion. In M.S.Clark (Ed.), *Review of personality and social psychology: Emotion* (13 ed., pp. 25-59). Newbury Park, CA: Sage.
- Lavie, N. (2005). Distracted and confused?: Selective attention under load. *Trends in Cognitive Sciences*, 9, 75-82.
- Lazarus, R. S. (1991). *Emotion and Adaptation*. New York: Oxford University Press.
- Leknes, S. & Tracey, I. (2008). Science & society - A common neurobiology for pain and pleasure. *Nature Reviews Neuroscience*, 9, 314-320.
- Leppanen, J. M. (2006). Emotional information processing in mood disorders: a review of behavioral and neuroimaging findings. *Current Opinion in Psychiatry*, 19, 34-39.
- Levin, R. L., Heller, W., Mohanty, A., Herrington, J. D., & Miller, G. A. (2007). Cognitive deficits in depression and functional specificity of regional brain activity. *Cognitive Therapy and Research*, 31, 211-233.
- Lewin, K. (1935). *A Dynamic Theory of Personality*. New York: McGraw-Hill.
- Luck, S. J. (2005). *An Introduction to the Event-Related Potential Technique*. Cambridge, MA: The MIT Press.
- Luu, P., Collins, P., & Tucker, D. M. (2000). Mood, personality, and self-monitoring: Negative affect and emotionality in relation to frontal lobe mechanisms of error monitoring. *Journal of Experimental Psychology-General*, 129, 43-60.
- Luu, P., Tucker, D. M., & Makeig, S. (2004). Frontal midline theta and the error-related negativity: neurophysiological mechanisms of action regulation. *Clinical Neurophysiology*, 115, 1821-1835.
- Macleod, C. M. (1991). Half a century of research on the Stroop effect - An integrative review. *Psychological bulletin*, 109, 163-203.
- Magen, H. & Cohen, A. (2002). Action-based and vision-based selection of input: Two sources of control. *Psychological Research-Psychologische Forschung*, 66, 247-259.
- Magen, H. & Cohen, A. (2007). Modularity beyond perception: Evidence from single task interference paradigms. *Cognitive Psychology*, 55, 1-36.
- Mansouri, F. A., Tanaka, K., & Buckley, M. J. (2009). Conflict-induced behavioural adjustment: a clue to the executive functions of the prefrontal cortex. *Nature Reviews Neuroscience*, 10, 141-152.

- Martin, E. A. & Kerns, J. G. (2011). The influence of positive mood on different aspects of cognitive control. *Cognition & emotion*, 25, 265-279.
- Mashek, D., Aron, A., & Fisher, H. E. (2000). Identifying, evoking and measuring intense feelings of romantic love. *Representative Research in Social Psychology*, 24, 48-55.
- Mayberg, H. S., Liotti, M., Brannan, S. K., McGinnis, S., Mahurin, R. K., Jerabek, P. A. et al. (1999). Reciprocal limbic-cortical function and negative mood: Converging PET findings in depression and normal sadness. *American Journal of Psychiatry*, 156, 675-682.
- 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.
- Mayr, U. & Awh, E. (2009). The elusive link between conflict and conflict adaptation. *Psychological Research-Psychologische Forschung*, 73, 794-802.
- Mayr, U., Awh, E., & Laurey, P. (2003). Conflict adaptation effects in the absence of executive control. *Nature Neuroscience*, 6, 450-452.
- Meiran, N., Diamond, G. R., Todor, D., & Nemets, B. (2011). Cognitive rigidity in unipolar depression and obsessive compulsive disorder: Examination of task switching, Stroop, working memory updating and post-conflict adaptation. *Psychiatry Research*, 185, 149-156.
- Mendelsohn, D., Riedel, W. J., & Sambeth, A. (2009). Effects of acute tryptophan depletion on memory, attention and executive functions: A systematic review. *Neuroscience and Biobehavioral Reviews*, 33, 926-952.
- Miller, E. K. & Cohen, J. D. (2001). An integrative theory of prefrontal cortex function. *Annual Review of Neuroscience*, 24, 167-202.
- Miller, G. (2000). *The mating mind: How sexual choice shaped the evolution of human nature*. London: The Random House Group, Ltd.
- Mitchell, R. L. C. & Phillips, L. H. (2007). The psychological, neurochemical and functional neuroanatomical mediators of the effects of positive and negative mood on executive functions. *Neuropsychologia*, 45, 617-629.
- Mobbs, D., Greicius, M. D., bdel-Azim, E., Menon, V., & Reiss, A. L. (2003). Humor modulates the mesolimbic reward centers. *Neuron*, 40, 1041-1048.
- Montgomery, S. A. & Asberg, M. (1979). New depression scale designed to be sensitive to change. *British Journal of Psychiatry*, 134, 382-389.
- Morris, W. N. (1992). A functional analysis of the role of mood in affective systems. In M.S.Clark (Ed.), *Review of Personality and Social Psychology* (13 ed., pp. 256-293). Newbury Park, CA: Sage.
- Morsella, E., Feinberg, G. H., Cigarchi, S., Newton, J. W., & Williams, L. E. (2011). Sources of avoidance motivation: Valence effects from physical effort and mental rotation. *Motivation and Emotion*.
- Munoz, D. P. & Everling, S. (2004). Look away: The anti-saccade task and the voluntary control of eye movement. *Nature Reviews Neuroscience*, 5, 218-228.
- Munte, T. F., Heldmann, M., Hinrichs, H., Marco-Pallares, J., Kramer, U. M., Sturm, V. et al. (2008). Nucleus accumbens is involved in human action monitoring: evidence from invasive electrophysiological recordings. *Frontiers in Human Neuroscience*, 1.

- Naccache, L., Dehaene, S., Cohen, L., Habert, M. O., Guichart-Gomez, E., Galanaud, D. et al. (2005). Effortless control: executive attention and conscious feeling of mental effort are dissociable. *Neuropsychologia*, *43*, 1318-1328.
- Neiss, R. (1988). Reconceptualizing arousal - Psychobiological states in motor performance. *Psychological Bulletin*, *103*, 345-366.
- Neiss, R. (1990). Ending arousals reign of error - A reply. *Psychological Bulletin*, *107*, 101-105.
- Nestler, E. J. & Carlezon, W. A. (2006). The mesolimbic dopamine reward circuit in depression. *Biological Psychiatry*, *59*, 1151-1159.
- Nietzsche, F. (1968). Also sprach Zarathustra, Vom Lesen und Schreiben. In *Nietzsche, Werke, Kritische Gesamtausgabe, VI I* (pp. 45).
- Nolen-Hoeksema, S., Wisco, B. E., & Lyubomirsky, S. (2008). Rethinking rumination. *Perspectives on Psychological Science*, *3*, 400-424.
- Norman, D. A. & Shallice, T. (1986). Attention to action: Willed and automatic control of behavior. In R.J.Davidson, G. E. Schwartz, & D. Shapiro (Eds.), *Consciousness and Self-Regulation* (pp. 1-18). New York: Plenum Press.
- Notebaert, W., Gevers, W., Verbruggen, F., & Liefvooghe, B. (2006). Top-down and bottom-up sequential modulations of congruency effects. *Psychonomic Bulletin & Review*, *13*, 112-117.
- Notebaert, W., Houtman, F., Van Opstal, F., Gevers, W., Fias, W., & Verguts, T. (2009). Post-error slowing: An orienting account. *Cognition*, *111*, 275-279.
- Notebaert, W. & Verguts, T. (2008). Cognitive control acts locally. *Cognition*, *106*, 1071-1080.
- Ochsner, K. N. & Gross, J. J. (2005). The cognitive control of emotion. *Trends in Cognitive Sciences*, *9*, 242-249.
- Öhman, A., Flykt, A., & Esteves, F. (2001). Emotion drives attention: Detecting the snake in the grass. *Journal of Experimental Psychology-General*, *130*, 466-478.
- Olk, B. & Kingstone, A. (2003). Why are antisaccades slower than prosaccades? A novel finding using a new paradigm. *Neuroreport*, *14*, 151-155.
- Olvet, D. M. & Hajcak, G. (2008). The error-related negativity (ERN) and psychopathology: Toward an endophenotype. *Clinical Psychology Review*, *28*, 1343-1354.
- Onton, J., Delorme, A., & Makeig, S. (2005). Frontal midline EEG dynamics during working memory. *Neuroimage*, *27*, 341-356.
- Osinsky, R., Schmitz, A., Alexander, N., Kuepper, Y., Kozyra, E., & Hennig, J. (2009). TPH2 gene variation and conflict processing in a cognitive and an emotional Stroop task. *Behavioural Brain Research*, *198*, 404-410.
- Pacheco-Unguetti, A. P., Acosta, A., Callejas, A., & Lupianez, J. (2010). Attention and anxiety: Different attentional functioning under state and trait anxiety. *Psychological Science*, *21*, 298-304.
- Papez, J. W. (1937). A proposed mechanism of emotion. *Archives of Neurology and Psychiatry*, *38*, 725-743.
- Paus, T. (2001). Primate anterior cingulate cortex: Where motor control, drive and cognition interface. *Nature Reviews Neuroscience*, *2*, 417-424.
- Peavler, W. S. (1974). Individual differences in pupil size and performance. In M.P.Janisse (Ed.), *Pupillary dynamics and behavior* (pp. 159-175). New York: Plenum.



- Pecher, C., Lemerrier, C., & Cellier, J. M. (2009). Emotions drive attention: Effects on driver's behaviour. *Safety Science*, *47*, 1254-1259.
- Pessoa, L. (2008). On the relationship between emotion and cognition. *Nature Reviews Neuroscience*, *9*, 148-158.
- Pessoa, L. (2009). How do emotion and motivation direct executive control? *Trends in Cognitive Sciences*, *13*, 160-166.
- Pessoa, L., Kastner, S., & Ungerleider, L. G. (2003). Neuroimaging studies of attention: From modulation of sensory processing to top-down control. *Journal of Neuroscience*, *23*, 3990-3998.
- Philippot, P. & Brutoux, F. (2008). Induced rumination dampens executive processes in dysphoric young adults. *Journal of Behavior Therapy and Experimental Psychiatry*, *39*, 219-227.
- Phillips, A. G. (1984). Brain reward circuitry - A case for separate systems. *Brain Research Bulletin*, *12*, 195-201.
- Pizzagalli, D. A. (2011). Frontocingulate dysfunction in depression: Toward biomarkers of treatment response. *Neuropsychopharmacology*, *36*, 183-206.
- Pizzagalli, D. A., Peccoralo, L. A., Davidson, R. J., & Cohen, J. D. (2006). Resting anterior cingulate activity and abnormal responses to errors in subjects with elevated depressive symptoms: A 128-channel EEG study. *Human Brain Mapping*, *27*, 185-201.
- Poock, G. K. (1973). Information-processing vs pupil diameter. *Perceptual and Motor Skills*, *37*, 1000-1002.
- 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.
- Posner, M. I. & Snyder, C. R. (1975). Attention and cognitive control. In R.L.Solso (Ed.), *Information Processing and Cognition* ( Hillsdale, NJ: Erlbaum.
- Pourtois, G., Vocat, R., N'Diaye, K., Spinelli, L., Seeck, M., & Vuilleumier, P. (2010). Errors recruit both cognitive and emotional monitoring systems: Simultaneous intracranial recordings in the dorsal anterior cingulate gyrus and amygdala combined with fMRI. *Neuropsychologia*, *48*, 1144-1159.
- Purmann, S., Badde, S., & Wendt, M. (2009). Adjustments to recent and frequent conflict reflect two distinguishable mechanisms. *Psychonomic Bulletin & Review*, *16*, 350-355.
- Reis, H. T. & Aron, A. (2008). Love what is it, why does it matter, and how does it operate? *Perspectives on Psychological Science*, *3*, 80-86.
- Reisenzein, R. (1992). A structuralist reconstruction of Wundt's three-dimensional theory of emotion. In H.Westmeyer (Ed.), *The structuralist program in psychology: Foundations and applications* (pp. 141-189). Toronto, Ontario, Canada: Hogrefe & Huber.
- Rhodewalt, F. & Comer, R. (1979). Induced-compliance attitude-change - Once more with feeling. *Journal of Experimental Social Psychology*, *15*, 35-47.
- Ridderinkhof, K. R., Ullsperger, M., Crone, E. A., & Nieuwenhuis, S. (2004). The role of the medial frontal cortex in cognitive control. *Science*, *306*, 443-447.
- Robbins, T. W. & Arnsten, A. F. T. (2009). The neuropsychopharmacology of fronto-executive function: Monoaminergic modulation. *Annual Review of Neuroscience*, *32*, 267-287.

- Rogers, M. A., Kasai, K., Koji, M., Fukuda, R., Iwanami, A., Nakagome, K. et al. (2004). Executive and prefrontal dysfunction in unipolar depression: a review of neuropsychological and imaging evidence. *Neuroscience Research*, *50*, 1-11.
- Rowe, G., Hirsh, J. B., & Anderson, A. K. (2007). Positive affect increases the breadth of attentional selection. *Proceedings of the National Academy of Sciences of the United States of America*, *104*, 383-388.
- Ruhe, H. G., Mason, N. S., & Schene, A. H. (2007). Mood is indirectly related to serotonin, norepinephrine and dopamine levels in humans: A meta-analysis of monoamine depletion studies. *Molecular Psychiatry*, *12*, 331-359.
- Russell, J. A. (1980). A circumplex model of affect. *Journal of personality and social psychology*, *39*, 1161-1178.
- Russell, J. A. (2003). Core affect and the psychological construction of emotion. *Psychological Review*, *110*, 145-172.
- Russell, J. A., Weis, A., & Mendelsohn, G. A. (1989). Affect grid: a single-item scale of pleasure and arousal. *Journal of Personality and Social Psychology*, *57*, 493.
- Rusting, C. L. (1998). Personality, mood, and cognitive processing of emotional information: Three conceptual frameworks. *Psychological Bulletin*, *124*, 165-196.
- Sanderman, R., Arrindell, W. A., Ranchor, A. V., Eysenck, H. J., & Eysenck, S. B. G. (1995). *Het meten van de persoonlijkheidskenmerken met de Eysenck Personality Questionnaire (EPQ). Een handleiding. [Measuring personality using the Eysenck Personality Questionnaire (EPQ). A manual.]*. Groningen, The Netherlands: University of Groningen, Northern Centre for Healthcare Research.
- Savine, A. C. & Braver, T. S. (2010). Motivated cognitive control: Reward incentives modulate preparatory neural activity during task-switching. *Journal of Neuroscience*, *30*, 10294-10305.
- Scherbaum, S., Fischer, R., Dshemuchadse, M., & Goschke, T. (2011). The dynamics of cognitive control: Evidence for within-trial conflict adaptation from frequency-tagged EEG. *Psychophysiology*, *48*, 591-600.
- Schimmack, U. (2005). Attentional interference effects of emotional pictures: Threat, negativity, or arousal? *Emotion*, *5*, 55-66.
- Schmitt, J. A. J., Jorissen, B. L., Sobczak, S., van Boxtel, M. P. J., Hogervorst, E., Deutz, N. E. P. et al. (2000). Tryptophan depletion impairs memory consolidation but improves focussed attention in healthy young volunteers. *Journal of Psychopharmacology*, *14*, 21-29.
- Schmitz, T. W., De Rosa, E., & Anderson, A. K. (2009). Opposing influences of affective state valence on visual cortical encoding. *Journal of Neuroscience*, *29*, 7199-7207.
- Schott, B. H., Minuzzi, L., Krebs, R. M., Elmenhorst, D., Lang, M., Winz, O. H. et al. (2008). Mesolimbic functional magnetic resonance imaging activations during reward anticipation correlate with reward-related ventral striatal dopamine release. *Journal of Neuroscience*, *28*, 14311-14319.
- Schultz, W. (2006). Behavioral theories and the neurophysiology of reward. *Annual Review of Psychology*, *57*, 87-115.
- Schultz, W. (2007). Behavioral dopamine signals. *Trends in Neurosciences*, *30*, 203-210.

- Schwarz, N. (1990). Feelings as information: Information and motivational functions of affective states. In E.T.Higgins & R. M. Sorrentino (Eds.), *Motivation and cognition: Foundations of social behavior* (2 ed., pp. 527-561). New York: Guilford 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.
- Seligman, M. E. P. & Csikszentmihalyi, M. (2000). Positive psychology - An introduction. *American Psychologist*, 55, 5-14.
- Shackman, A. J., Salomons, T. V., Slagter, H. A., Fox, A. S., Winter, J. J., & Davidson, R. J. (2011). The integration of negative affect, pain and cognitive control in the cingulate cortex. *Nature Reviews Neuroscience*, 12, 154-167.
- Shiffrin, R. M. & Schneider, W. (1977). Controlled and automatic human information-processing 2. Perceptual learning, automatic attending, and a general theory. *Psychological Review*, 84, 127-190.
- Siegle, G. J., Steinhauer, S. R., & Thase, M. E. (2004). Pupillary assessment and computational modeling of the Stroop task in depression. *International Journal of Psychophysiology*, 52, 63-76.
- Simon, J. R. & Rudell, A. P. (1967). Auditory S-R compatibility - Effect of an irrelevant cue on information processing. *Journal of Applied Psychology*, 51, 300-304.
- Smith, S. M. (2002). Fast robust automated brain extraction. *Human Brain Mapping*, 17, 143-155.
- Smith, S. M., Jenkinson, M., Woolrich, M. W., Beckmann, C. F., Behrens, T. E. J., Johansen-Berg, H. et al. (2004). Advances in functional and structural MR image analysis and implementation as FSL. *Neuroimage*, 23, S208-S219.
- Solomon, R. C. (2007). *True to our Feelings: What our feelings are really telling us*. New York: Oxford University Press.
- Spape, M. M. & Hommel, B. (2008). He said, she said: Episodic retrieval induces conflict adaptation in an auditory Stroop task. *Psychonomic Bulletin & Review*, 15, 1117-1121.
- Steinhauer, S. R., Siegle, G. J., Condray, R., & Pless, M. (2004). Sympathetic and parasympathetic innervation of pupillary dilation during sustained processing. *International Journal of Psychophysiology*, 52, 77-86.
- Stroop, J. R. (1992). Studies of interference in serial verbal reactions (Reprinted from Journal Experimental-Psychology, Vol 18, Pg 643-662, 1935). *Journal of Experimental Psychology-General*, 121, 15-23.
- Sturmer, B., Seiss, E., & Leuthold, H. (2005). Executive control in the Simon task: A dual-task examination of response priming and its suppression. *European Journal of Cognitive Psychology*, 17, 590-618.
- Tallis, F. (2005a). Crazy for you. *Psychologist*, 18, 72-74.
- Tallis, F. (2005b). *Love sick*. London: Arrow Books Ltd.
- Tamir, M., Chiu, C. Y., & Gross, J. J. (2007). Business or pleasure? Utilitarian versus hedonic considerations in emotion regulation. *Emotion*, 7, 546-554.
- Tamir, M., Mitchell, C., & Gross, J. J. (2008). Hedonic and instrumental motives in anger regulation. *Psychological Science*, 19, 324-328.

- Taylor, S. F., Martis, B., Fitzgerald, K. D., Welsh, R. C., Abelson, J. L., Liberzon, I. et al. (2006). Medial frontal cortex activity and loss-related responses to errors. *Journal of Neuroscience*, 26, 4063-4070.
- Tennov, D. (1979). *Love and Limerence: The Experience of Being in Love*. New York: Stein and Day.
- Teufel, H. J. & Wehrhahn, C. (2000). Evidence for the contribution of S cones to the detection of flicker brightness and red-green. *Journal of the Optical Society of America A-Optics Image Science and Vision*, 17, 994-1006.
- Thayer, R. E. (1989). *The Biopsychology of Mood and Activation*. New York: Oxford University Press.
- Tootell, R. B. H., Reppas, J. B., Kwong, K. K., Malach, R., Born, R. T., Brady, T. J. et al. (1995). Functional-analysis of human MT and related visual cortical areas using Magnetic-Resonance-Imaging. *Journal of Neuroscience*, 15, 3215-3230.
- Treue, S. (2001). Neural correlates of attention in primate visual cortex. *Trends in Neurosciences*, 24, 295-300.
- Tucker, D. M. & Williamson, P. A. (1984). Asymmetric neural control-systems in human self-regulation. *Psychological Review*, 91, 185-215.
- Ullsperger, M., Bylsma, L. M., & Botvinick, M. M. (2005). The conflict adaptation effect: It's not just priming. *Cognitive Affective & Behavioral Neuroscience*, 5, 467-472.
- Ullsperger, M. & von Cramon, D. Y. (2006). The role of intact frontostriatal circuits in error processing. *Journal of Cognitive Neuroscience*, 18, 651-664.
- van der Does, A. J. W. (2001). The effects of tryptophan depletion on mood and psychiatric symptoms. *Journal of Affective Disorders*, 64, 107-119.
- van Steenbergen, H., Band, G. P. H., & Hommel, B. (2009). Reward counteracts conflict adaptation: evidence for a role of affect in executive control. *Psychological Science*, 20, 1473-1477.
- van Steenbergen, H., Band, G. P. H., & Hommel, B. (2010). In the mood for adaptation: How affect regulates conflict-driven control. *Psychological Science*, 21, 1629-1634.
- van Veen, V., Krug, M. K., Schooler, J. W., & Carter, C. S. (2009). Neural activity predicts attitude change in cognitive dissonance. *Nature Neuroscience*, 12, 1469-1475.
- van Wouwe, N. C., Band, G. P. H., & Ridderinkhof, K. R. (2011). Positive affect modulates flexibility and evaluative control. *Journal of Cognitive Neuroscience*, 23, 524-539.
- Verbruggen, F., Notebaert, W., Liefvooghe, B., & Vandierendonck, A. (2006). Stimulus- and response-conflict-induced cognitive control in the flanker task. *Psychonomic Bulletin & Review*, 13, 328-333.
- Verguts, T. & Notebaert, W. (2009). Adaptation by binding: a learning account of cognitive control. *Trends in Cognitive Sciences*, 13, 252-257.
- Vroon, P. A. (1993). *De Groene Amsterdammer*, 27 januari 1993.
- Vuilleumier, P., Armony, J., & Dolan, R. (2003). Reciprocal links between emotion and attention. In R.S.J.Frackowiak (Ed.), *Human Brain Function* (pp. 419-444). San Diego: Academic Press.
- Wachtel, P. L. (1967). Conceptions of broad and narrow attention. *Psychological Bulletin*, 68, 417-429.

- Wager, T. D., Phan, K. L., Liberzon, I., & Taylor, S. F. (2003). Valence, gender, and lateralization of functional brain anatomy in emotion: a meta-analysis of findings from neuroimaging. *Neuroimage*, *19*, 513-531.
- Wang, C. M., Ulbert, I., Schomer, D. L., Marinkovic, K., & Halgren, E. (2005). Responses of human anterior cingulate cortex microdomains to error detection, conflict monitoring, stimulus-response mapping, familiarity, and orienting. *Journal of Neuroscience*, *25*, 604-613.
- Waterman, A. S. (1993). Two conceptions of happiness - Contrasts of personal expressiveness (eudaimonia) and hedonic enjoyment. *Journal of personality and social psychology*, *64*, 678-691.
- Watson, D. & Tellegen, A. (1985). Toward a consensual structure of mood. *Psychological bulletin*, *98*, 219-235.
- Wendt, M., Heldmann, M., Munte, T. F., & Kluwe, R. H. (2007). Disentangling sequential effects of stimulus- and response-related conflict and stimulus-response repetition using brain potentials. *Journal of Cognitive Neuroscience*, *19*, 1104-1112.
- Westermann, R., Spies, K., Stahl, G., & Hesse, F. W. (1996). Relative effectiveness and validity of mood induction procedures: A meta-analysis. *European Journal of Social Psychology*, *26*, 557-580.
- Winkielman, P., Schwarz, N., Fazendeiro, T., & Reber, R. (2003). The hedonic marking of processing fluency: Implications for evaluative judgment. In J. Musch & K. C. Klauer (Eds.), *The psychology of evaluation: Affective processes in cognition and emotion* (pp. 189-217). Mahwah, NJ: Lawrence Erlbaum.
- Woolrich, M. W., Behrens, T. E. J., Beckmann, C. F., Jenkinson, M., & Smith, S. M. (2004). Multilevel linear modelling for FMRI group analysis using Bayesian inference. *Neuroimage*, *21*, 1732-1747.
- Woolrich, M. W., Ripley, B. D., Brady, M., & Smith, S. M. (2001). Temporal autocorrelation in univariate linear modeling of FMRI data. *Neuroimage*, *14*, 1370-1386.
- Worsley, K. J. (2001). Statistical analysis of activation images. In P. M. Jezzard, P. M. Matthews, & S. M. Smith (Eds.), *Functional MRI: An Introduction to Methods*. (pp. 251-270). Oxford: Oxford University Press.
- Wright, R. A. & Kirby, L. D. (2001). Effort determination of cardiovascular response: An integrative analysis with applications in social psychology. *Advances in Experimental Social Psychology*, *Vol 33*, 33, 255-307.
- Yantis, S. & Jonides, J. (1990). Abrupt visual onsets and selective attention - Voluntary versus automatic allocation. *Journal of Experimental Psychology-Human Perception and Performance*, *16*, 121-134.
- Yeung, N., Botvinick, M. M., & Cohen, J. D. (2004). The neural basis of error detection: Conflict monitoring and the error-related negativity. *Psychological Review*, *111*, 931-959.
- Yik, M. S. M., Russell, J. A., & Barrett, L. F. (1999). Structure of self-reported current affect: Integration and beyond. *Journal of personality and social psychology*, *77*, 600-619.



