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## **Cognitive processes in social and moral decision making**

Rahal, R.M.

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## References

## References

- Aaldering, H., Greer, L. L., Van Kleef, G. A., & De Dreu, C. K. W. (2013). Interest (mis)alignments in representative negotiations: Do pro-social agents fuel or reduce inter-group conflict? *Organizational Behavior and Human Decision Processes*, 120(2), 240–250. <https://doi.org/10.1016/j.obhdp.2012.06.001>
- Abbink, K., Brandts, J., Herrmann, B., & Orzen, H. (2012). Parochial altruism in inter-group conflicts. *Economics Letters*, 117(1), 45–48. <https://doi.org/10.1016/j.econlet.2012.04.083>
- Aguiar, F., Brañas-Garza, P., Cobo-Reyes, R., Jimenez, N., & Miller, L. M. (2009). Are women expected to be more generous? *Experimental Economics*, 12(1), 93–98. <https://doi.org/10.1007/s10683-008-9199-z>
- Akerlof, G. A., & Kranton, R. E. (2000). Economics and identity. *The Quarterly Journal of Economics*, 115(3), 715–753.
- Allais, M. (1953). Le comportement de l'homme rationnel devant le risque: Critique des postulats et axiomes de l'école américaine [Rational behavior under risk - criticism of the postulates and axioms of the American school]. *Econometrica*, 21(4), 503–546. <https://doi.org/10.2307/1907921>
- Allport, G. W. (1954). *The nature of prejudice*. Reading, MA, USA: Addison-Wesley.
- Amodio, D. M. (2014). The neuroscience of prejudice and stereotyping. *Nature Reviews Neuroscience*, 15(10), 670–682. <https://doi.org/10.1038/nrn3800>
- Andreassi, J. L. (2010). Pupillary response and behaviour. In *Psychophysiology: Human behavior & physiological response* (pp. 350–371). Mahwah, NJ, USA: Lawrence Erlbaum Associates, Inc.
- Armel, K. C., Beaumel, A., & Rangel, A. (2008). Biasing simple choices by manipulating relative visual attention. *Judgment and Decision Making*, 3(5), 8.

- Arora, P., Logg, J., & Larrick, R. (2015). Acting for the greater good: Identification with group determines choices in sequential contribution dilemmas. *Journal of Behavioral Decision Making*, n/a-n/a. <https://doi.org/10.1002/bdm.1892>
- Ashby, N. J. S., Johnson, J. G., Krajbich, I., & Wedel, M. (2016). Applications and innovations of eye-movement research in judgment and decision making. *Journal of Behavioral Decision Making*, 29(2–3), 96–102. <https://doi.org/10.1002/bdm.1956>
- Ashton, M. C., & Lee, K. (2007). Empirical, theoretical, and practical advantages of the HEXACO model of personality structure. *Personality and Social Psychology Review*, 11(2), 150–166. <https://doi.org/10.1177/1088868306294907>
- Ashton, M. C., Lee, K., Perugini, M., Szarota, P., de Vries, R. E., Di Blas, L., ... De Raad, B. (2004). A six-factor structure of personality-descriptive adjectives: solutions from psycholexical studies in seven languages. *Journal of Personality and Social Psychology*, 86(2), 356–366. <https://doi.org/10.1037/0022-3514.86.2.356>
- Axelrod, R., & Hamilton, W. D. (1981). The evolution of cooperation. *Science*, 211(4489), 1390–1396. <https://doi.org/10.1126/science.7466396>
- Balliet, D., Tybur, J. M., & van Lange, P. A. M. (2016). Functional Interdependence Theory: An evolutionary account of social situations. *Personality and Social Psychology Review*. <https://doi.org/10.1177/1088868316657965>
- Balliet, D., Wu, J., & De Dreu, C. K. W. (2014). Ingroup favoritism in cooperation: A meta-analysis. *Psychological Bulletin*, 140(6), 1556–1581. <https://doi.org/10.1037/a0037737>
- Baluch, F., & Itti, L. (2011). Mechanisms of top-down attention. *Trends in Neurosciences*, 34(4), 210–224. <https://doi.org/10.1016/j.tins.2011.02.003>
- Baron, J. (2014). Moral judgment. In E. Zamir & D. Teichman, *The Oxford handbook of behavioral economics and the law*. Oxford, UK: Oxford University Press.

- Baron, J., & Spranca, M. (1997). Protected values. *Organizational Behavior and Human Decision Processes*, 70(1), 1–16. <https://doi.org/10.1006/obhd.1997.2690>
- Bartels, D. M. (2008). Principled moral sentiment and the flexibility of moral judgment and decision making. *Cognition*, 108(2), 381–417. <https://doi.org/10.1016/j.cognition.2008.03.001>
- Bartling, B., & Özdemir, Y. (2017). *The limits to moral erosion in markets: Social norms and the replacement excuse* (University of Zürich Working Paper Series No. 263). University of Zürich. Retrieved from <http://www.econ.uzh.ch/static/wp/econwp263.pdf>
- Basten, U., Biele, G., Heekeren, H. R., & Fiebach, C. J. (2010). How the brain integrates costs and benefits during decision making. *Proceedings of the National Academy of Sciences of the United States of America*, 107(50), 21767–21772. <https://doi.org/10.1073/pnas.0908104107>
- Battigalli, P., & Dufwenberg, M. (2007). Guilt in games. *American Economic Review*, 97(2), 170–176. <https://doi.org/10.1257/aer.97.2.170>
- Battigalli, P., & Dufwenberg, M. (2009). Dynamic psychological games. *Journal of Economic Theory*, 144(1), 1–35. <https://doi.org/10.1016/j.jet.2008.01.004>
- Beach, L. R., & Potter, R. E. (1992). The pre-choice screening of options. *Acta Psychologica*, 81(2), 115–126. [https://doi.org/10.1016/0001-6918\(92\)90002-U](https://doi.org/10.1016/0001-6918(92)90002-U)
- Beatty, J., & Lucero-Wagoner, B. (2000). The pupillary system. In J. T. Cacioppo, L. G. Tassinary, & G. G. Berntson, *Handbook of psychophysiology* (pp. 142–162). New York, NY, USA: Cambridge University Press.
- Bénabou, R., & Tirole, J. (2011). Identity, morals, and taboos: beliefs as assets. *The Quarterly Journal of Economics*, 126(2), 805–855.
- Bertrams, A., & Dickhäuser, O. (2009). Messung dispositioneller Selbstkontroll-Kapazität: Eine deutsche Kurzform der Self-Control Scale (SCS-K-D)

[Measuring dispositional self-control capacity: A German short version of the Self-Control Scale (SCS-K-D)]. *Diagnostica*, 55(1), 2–10.

- Bettman, J. R., Johnson, E. J., & Payne, J. W. (1990). A componential analysis of cognitive effort in choice. *Organizational Behavior and Human Decision Processes*, 45(1), 111–139. [https://doi.org/10.1016/0749-5978\(90\)90007-V](https://doi.org/10.1016/0749-5978(90)90007-V)
- Bhatia, S., & Mullett, T. (in press). Similarity and decision time in preferential choice. *Quarterly Journal of Experimental Psychology*. Retrieved from <http://journals.sagepub.com/doi/10.1177/1747021818763054>
- Björklund, F., Haidt, J., & Murphy, S. (2000). *Moral dumbfounding: when intuition finds no reason* (p. 29). Department of Psychology, Lund University.
- Blumenson, E., & Nilsen, E. (2010). Liberty lost: The moral case for marijuana law reform. *Indiana Law Journal*, 85, 279–300.
- Bodala, I. P., Ke, Y., Mir, H., Thakor, N. V., & Al-Nashash, H. (2014). Cognitive workload estimation due to vague visual stimuli using saccadic eye movements. *Conference Proceedings: ... Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual Conference, 2014*, 2993–2996. <https://doi.org/10.1109/EMBC.2014.6944252>
- Bogaert, S., Boone, C., & Declerck, C. H. (2008). Social value orientation and cooperation in social dilemmas: a review and conceptual model. *The British Journal of Social Psychology*, 47(3), 453–480. <https://doi.org/10.1348/014466607X244970>
- Böhm, R., Rockenbach, B., & Weiss, A. (2013). *Experimental evidence on identity biases in voting choices* (pp. 1–22). Cologne, Germany: University of Cologne. Retrieved from [http://www.behavecon.uni-koeln.de/fileadmin/wiso\\_fak/vhf/pdf/workingpaper/BoehmRockenbachWeissIdentityBiases.pdf](http://www.behavecon.uni-koeln.de/fileadmin/wiso_fak/vhf/pdf/workingpaper/BoehmRockenbachWeissIdentityBiases.pdf)

- Bolton, G. E., & Ockenfels, A. (2000). ERC: A theory of equity, reciprocity, and competition. *The American Economic Review*, *90*(1), 166–193.
- Branscombe, N. R., & Wann, D. L. (1994). Collective self-esteem consequences of outgroup derogation when a valued social identity is on trial. *European Journal of Social Psychology*, *24*(6), 641–657. <https://doi.org/10.1002/ejsp.2420240603>
- Brewer, M. B. (1979). In-group bias in the minimal intergroup situation: A cognitive-motivational analysis. *Psychological Bulletin*, *86*(2), 307–324. <https://doi.org/10.1037/0033-2909.86.2.307>
- Bucciarelli, M., Khemlani, S., & Johnson-Laird, P. N. (2008). The psychology of moral reasoning. *Judgment and Decision Making*, *3*(2), 121–139.
- Bundesverfassungsgericht. (2006). *Urteil des Ersten Senats vom 15. Februar 2006 [Decision of the First Chamber on February 15, 2006]*. 1 BvR 357/05 - Rn. (1-156). Retrieved from [http://www.bundesverfassungsgericht.de/SharedDocs/Entscheidungen/DE/2006/02/rs20060215\\_1bvr035705.html](http://www.bundesverfassungsgericht.de/SharedDocs/Entscheidungen/DE/2006/02/rs20060215_1bvr035705.html)
- Burnstein, E., Crandall, C., & Kitayama, S. (1994). Some neo-Darwinian decision rules for altruism: Weighing cues for inclusive fitness as a function of the biological importance of the decision. *Journal of Personality and Social Psychology*, *67*(5), 773–789.
- Busemeyer, J. R., & Townsend, J. T. (1993). Decision field theory: A dynamic-cognitive approach to decision making in an uncertain environment. *Psychological Review*, *100*(3), 432–459. <https://doi.org/10.1037/0033-295X.100.3.432>
- Cadinu, M. R., & Rothbart, M. (1996). Self-anchoring and differentiation processes in the minimal group setting. *Journal of Personality and Social Psychology*, *70*, 661–677. <https://doi.org/10.1037/0022-3514.70.4.661>

- Camerer, C. F., & Hogarth, R. M. (1999). The Effects of financial incentives in experiments: A review and capital-labor-production framework. *Journal of Risk and Uncertainty*, 19(1/3), 7–42.
- Camerer, C. F., Loewenstein, G., & Prelec, D. (2004). Neuroeconomics: Why economics needs brains. *The Scandinavian Journal of Economics*, 106(3), 555–579.
- Capraro, V., & Rand, D. G. (2017). *Do the Right Thing: Preferences for Moral Behavior, Rather Than Equity or Efficiency per se, Drive Human Prosociality* (SSRN Scholarly Paper No. ID 2965067). Rochester, NY: Social Science Research Network. Retrieved from <https://papers.ssrn.com/abstract=2965067>
- Carlsson, F., Daruvala, D., & Johansson-Stenman, O. (2005). Are people inequality-averse, or just risk-averse? *Economica*, 72(287), 375–396. <https://doi.org/10.1111/j.0013-0427.2005.00421.x>
- Cavanagh, J. F., Wiecki, T. V., Kochar, A., & Frank, M. J. (2014). Eye tracking and pupillometry are indicators of dissociable latent decision processes. *Journal of Experimental Psychology. General*, 143(4), 1476–1488. <https://doi.org/10.1037/a0035813>
- Chandon, P., Hutchinson, J. W., Bradlow, E. T., & Young, S. H. (2009). Does in-store marketing work? Effects of the number and position of shelf facings on brand attention and evaluation at the point of purchase. *Journal of Marketing*, 73(6), 1–17. <https://doi.org/10.1509/jmkg.73.6.1>
- Charness, N., Reingold, E. M., Pomplun, M., & Stampe, D. M. (2001). The perceptual aspect of skilled performance in chess: evidence from eye movements. *Memory & Cognition*, 29(8), 1146–1152.
- Chaudhuri, A. (2011). Sustaining cooperation in laboratory public goods experiments: a selective survey of the literature. *Experimental Economics*, 14(1), 47–83.
- Chen, Y., & Li, S. X. (2009). Group identity and social preferences. *The American Economic Review*, 99(1), 431–457. <https://doi.org/10.1257/aer.99.1.431>

- Christensen, J. F., & Gomila, A. (2012). Moral dilemmas in cognitive neuroscience of moral decision-making: a principled review. *Neuroscience and Biobehavioral Reviews*, 36(4), 1249–1264. <https://doi.org/10.1016/j.neubiorev.2012.02.008>
- Christie, R., & Geis, F. L. (1970). *Studies in machiavellianism*. New York, NY, USA: Academic Press.
- Ciaramelli, E., Muccioli, M., Làdavas, E., & di Pellegrino, G. (2007). Selective deficit in personal moral judgment following damage to ventromedial prefrontal cortex. *Social Cognitive and Affective Neuroscience*, 2(2), 84–92. <https://doi.org/10.1093/scan/nsm001>
- Conway, P., & Gawronski, B. (2013). Deontological and utilitarian inclinations in moral decision making: A process dissociation approach. *Journal of Personality and Social Psychology*, 104(2), 216–235. <https://doi.org/10.1037/a0031021>
- Corbetta, M., & Shulman, G. L. (2002). Control of goal-directed and stimulus-driven attention in the brain. *Nature Reviews. Neuroscience*, 3(3), 201–215. <https://doi.org/10.1038/nrn755>
- Crane, H. D. (1994). The Purkinje Image eyetracker, image stabilization, and related forms of stimulus manipulation}. In D. H. Kelly (Ed.), *Visual science and engineering: Models and applications* (pp. 15–89). New York, NY, USA: Marcel Dekker Inc.
- Crockett, M. J., Clark, L., Hauser, M. D., & Robbins, T. W. (2010). Serotonin selectively influences moral judgment and behavior through effects on harm aversion. *Proceedings of the National Academy of Sciences of the United States of America*, 107(40), 17433–17438. <https://doi.org/10.1073/pnas.1009396107>
- Cushman, F., & Young, L. (2009). The psychology of dilemmas and the philosophy of morality. *Ethical Theory and Moral Practice*, 12(1), 9–24. <https://doi.org/10.1007/s10677-008-9145-3>

- Cushman, F., Young, L., & Hauser, M. (2006). The role of conscious reasoning and intuition in moral judgment: Testing three principles of harm. *Psychological Science*, *17*(12), 1082–1089.
- Dale, R., Kehoe, C., & Spivey, M. J. (2007). Graded motor responses in the time course of categorizing atypical exemplars. *Memory & Cognition*, *35*(1), 15–28.
- Dana, J., Weber, R., & Kuang, J. (2007). Exploiting moral wiggle room: experiments demonstrating an illusory preference for fairness. *Economic Theory*, *33*(1), 67–80.
- Dawes, R. M. (1980). Social dilemmas. *Annual Review of Psychology*, *31*(1), 169–193. <https://doi.org/10.1146/annurev.ps.31.020180.001125>
- Day, R.-F. (2010). Examining the validity of the Needleman–Wunsch algorithm in identifying decision strategy with eye-movement data. *Decision Support Systems*, *49*(4), 396–403. <https://doi.org/10.1016/j.dss.2010.05.001>
- De Dreu, C. K. W. (2010). Social value orientation moderates ingroup love but not outgroup hate in competitive intergroup conflict. *Group Processes & Intergroup Relations*, *13*(6), 701–713. <https://doi.org/10.1177/1368430210377332>
- De Dreu, C. K. W., Aaldering, H., & Saygi, Ö. (2015). Conflict and negotiation within and between groups. In M. Mikulincer, P. R. Shaver, J. F. Dovidio, & J. A. Simpson (Eds.), *APA handbook of personality and social psychology, Volume 2: Group processes*. (pp. 151–176). Washington, DC: American Psychological Association. <https://doi.org/10.1037/14342-006>
- De Dreu, C. K. W., Dussel, D. B., & Velden, F. S. Ten. (2015). In intergroup conflict, self-sacrifice is stronger among pro-social individuals, and parochial altruism emerges especially among cognitively taxed individuals. *Frontiers in Psychology*, *06*(572). <https://doi.org/10.3389/fpsyg.2015.00572>

- De Dreu, C. K. W., & McCusker, C. (1997). Gain-loss frames and cooperation in two-person social dilemmas: A transformational analysis. *Journal of Personality and Social Psychology*, 72(5), 1093–1106. <https://doi.org/10.1037/0022-3514.72.5.1093>
- de Vries, R. E. (2013). The 24-item Brief HEXACO Inventory (BHI). *Journal of Research in Personality*, 47(6), 871–880. <https://doi.org/10.1016/j.jrp.2013.09.003>
- DeBruine, L. M. (2002). Facial resemblance enhances trust. *Proceedings of the Royal Society of London B: Biological Sciences*, 269(1498), 1307–1312. <https://doi.org/10.1098/rspb.2002.2034>
- Delabarre, E. B. (1898). A method of recording eye-movements. *The American Journal of Psychology*, 9(4), 572–574. <https://doi.org/10.2307/1412191>
- DellaVigna, S., List, J. A., & Malmendier, U. (2012). Testing for altruism and social pressure in charitable giving. *The Quarterly Journal of Economics*, 127(1), 1–56. <https://doi.org/10.1093/qje/qjr050>
- Deubel, H. (2008). The time course of presaccadic attention shifts. *Psychological Research*, 72(6), 630–640. <https://doi.org/10.1007/s00426-008-0165-3>
- Doosje, B., Ellemers, N., & Spears, R. (1995). Perceived intragroup variability as a function of group status and identification. *Journal of Experimental Social Psychology*, 31(5), 410–436. <https://doi.org/10.1006/jesp.1995.1018>
- DorrOUGH, A. R., & Glöckner, A. (2016). Multinational investigation of cross-societal cooperation. *Proceedings of the National Academy of Sciences of the United States of America*, 113(39), 10836–10841. <https://doi.org/10.1073/pnas.1601294113>
- Dovidio, J. F., Evans, N., & Tyler, R. B. (1986). Racial stereotypes: The contents of their cognitive representations. *Journal of Experimental Social Psychology*, 22, 22–37. [https://doi.org/10.1016/0022-1031\(86\)90039-9](https://doi.org/10.1016/0022-1031(86)90039-9)
- Dovidio, J. F., & Gaertner, S. L. (2010). Intergroup Bias. In S. T. Fiske, D. T. Gilbert, & G. Lindzey (Eds.), *Handbook of social psychology* (pp. 1084–1121).

Hoboken, NJ: John Wiley & Sons, Inc.  
<https://doi.org/10.1002/9780470561119.socpsy002029>

- Dubljević, V. (2017). Is it time to abandon the strong interpretation of the dual-process model in neuroethics? In E. Racine & J. Aspler (Eds.), *Debates about neuroethics* (pp. 129–140). Springer, Cham. [https://doi.org/10.1007/978-3-319-54651-3\\_9](https://doi.org/10.1007/978-3-319-54651-3_9)
- Duchowski, A. (2007). *Eye tracking methodology: Theory and practice*. London, UK: Springer.
- Duckitt, J., Wagner, C., du Plessis, I., & Birum, I. (2002). The psychological bases of ideology and prejudice: testing a dual process model. *Journal of Personality and Social Psychology*, *83*(1), 75–93.
- Duke, A. A., & Bègue, L. (2015). The drunk utilitarian: blood alcohol concentration predicts utilitarian responses in moral dilemmas. *Cognition*, *134*, 121–127. <https://doi.org/10.1016/j.cognition.2014.09.006>
- Eckel, C., & Grossman, P. (2008). Men, women and risk aversion: Experimental evidence. In C. R. Plott & V. L. Smith (Eds.), *Handbook of experimental economics results* (pp. 1061–1073). Elsevier.
- Edwards, W. (1954). The theory of decision making. *Psychological Bulletin*, *51*(4), 380–417.
- Ehrlich, D., Guttman, I., Schonbach, P., & Mills, J. (1957). Postdecision exposure to relevant information. *Journal of Abnormal Psychology*, *54*(1), 98–102.
- Ellemers, N., De Gilder, D., & Haslam, S. A. (2004). Motivating individuals and groups at work: A social identity perspective on leadership and group performance. *Academy of Management Review*, *29*(3), 459–478. <https://doi.org/10.5465/AMR.2004.13670967>
- Ellsberg, D. (1961). Risk, ambiguity, and the Savage axioms. *The Quarterly Journal of Economics*, *75*(4), 643–669. <https://doi.org/10.2307/1884324>

- Engbert, R., Nuthmann, A., Richter, E. M., & Kliegl, R. (2005). SWIFT: A dynamical model of saccade generation during reading. *Psychological Review*, 112(4), 777–813. <https://doi.org/10.1037/0033-295X.112.4.777>
- Engel, C. (2011). Dictator games: A meta study. *Experimental Economics*, 14(4), 583–610. <https://doi.org/10.1007/s10683-011-9283-7>
- Engelmann, D., & Strobel, M. (2004). Inequality aversion, efficiency, and maximin preferences in simple distribution experiments. *American Economic Review*, 94(4), 857–869. <https://doi.org/10.1257/0002828042002741>
- Ericsson, K., & Simon, H. (1993). *Protocol analysis: Verbal reports as data*. Cambridge, MA, USA: MIT Press.
- Euchner, E.-M., & Knill, C. (2015). Prostitution: sin, unavoidable evil, or recognized profession? - Oxford Scholarship. In C. Knill, C. Adam, & S. Hurka, *On the road to permissiveness? Change and convergence of moral regulation in Europe* (pp. 129–156). Oxford, UK: Oxford University Press.
- European Union Agency for Fundamental Rights. (2010). *The handbook on European non-discrimination law*. Luxembourg, Luxembourg: Publications Office of the European Union.
- Evans, A. M., Dillon, K. D., & Rand, D. G. (2015). Fast but not intuitive, slow but not reflective: Decision conflict drives reaction times in social dilemmas. *Journal of Experimental Psychology: General*, 144(5), 951–966. <https://doi.org/10.1037/xge0000107>
- Evans, J. S. B. T., & Stanovich, K. E. (2013). Dual-process theories of higher cognition: Advancing the debate. *Perspectives on Psychological Science*, 8(3), 223–241. <https://doi.org/10.1177/1745691612460685>
- Everett, J. a. C., Faber, N. S., & Crockett, M. (2015). Preferences and beliefs in ingroup favoritism. *Frontiers in Behavioral Neuroscience*, 9(15), 1–21. <https://doi.org/10.3389/fnbeh.2015.00015>

- Falk, A., & Fischbacher, U. (2006). A theory of reciprocity. *Games and Economic Behavior*, 54(2), 293–315. <https://doi.org/10.1016/j.geb.2005.03.001>
- Falk, A., & Szech, N. (2013). Morals and markets. *Science*, 340(6133), 707–711. <https://doi.org/10.1126/science.1231566>
- Fehr, E., & Fischbacher, U. (2004). Third-party punishment and social norms. *Evolution and Human Behavior*, 25(2), 63–87. [https://doi.org/10.1016/S1090-5138\(04\)00005-4](https://doi.org/10.1016/S1090-5138(04)00005-4)
- Fehr, E., & Schmidt, K. M. (1999). A theory of fairness, competition, and cooperation. *The Quarterly Journal of Economics*, 114(3), 817–868. <https://doi.org/10.1162/003355399556151>
- FeldmanHall, O., Dalgleish, T., & Mobbs, D. (2013). Alexithymia decreases altruism in real social decisions. *Cortex*, 49(3), 899–904. <https://doi.org/10.1016/j.cortex.2012.10.015>
- Fiedler, S., & Glöckner, A. (2012). The dynamics of decision making in risky choice: An eye-tracking analysis. *Frontiers in Psychology*, 3(335), 1–18. <https://doi.org/10.3389/fpsyg.2012.00335>
- Fiedler, S., & Glöckner, A. (2015). Attention and moral behavior. *Current Opinion in Psychology*, 6, 139–144. <https://doi.org/10.1016/j.copsy.2015.08.008>
- Fiedler, S., Glöckner, A., Nicklisch, A., & Dickert, S. (2013). Social value orientation and information search in social dilemmas: An eye-tracking analysis. *Organizational Behavior and Human Decision Processes*, 120(2), 272–284. <https://doi.org/10.1016/j.obhdp.2012.07.002>
- Fischbacher, U., Gächter, S., & Fehr, E. (2001). Are people conditionally cooperative? Evidence from a public goods experiment. *Economics Letters*, 71(3), 397–404. [https://doi.org/10.1016/S0165-1765\(01\)00394-9](https://doi.org/10.1016/S0165-1765(01)00394-9)
- Foddy, M., Platow, M. J., & Yamagishi, T. (2009). Group-based trust in strangers: The role of stereotypes and expectations. *Psychological Science*, 20(4), 419–422. <https://doi.org/10.1111/j.1467-9280.2009.02312.x>

- Foot, P. (1967). The problem of abortion and the doctrine of the double effect. *Oxford Review*, (5), 5–15. <https://doi.org/10.1093/0199252866.001.0001>
- Forsythe, R., Horowitz, J. L., Savin, N. E., & Sefton, M. (1994). Fairness in simple bargaining experiments. *Games and Economic Behavior*, 6(3), 347–369. <https://doi.org/10.1006/game.1994.1021>
- Foulsham, T., & Underwood, G. (2008). What can saliency models predict about eye movements? Spatial and sequential aspects of fixations during encoding and recognition. *Journal of Vision*, 8(2), 6.1-17. <https://doi.org/10.1167/8.2.6>
- Frost, R. O., & Shows, D. L. (1993). The nature and measurement of compulsive indecisiveness. *Behaviour Research and Therapy*, 31(7), 683-IN2. [https://doi.org/10.1016/0005-7967\(93\)90121-A](https://doi.org/10.1016/0005-7967(93)90121-A)
- Gaertner, S. L., Dovidio, J. F., Anastasio, P. A., Bachman, B. A., & Rust, M. C. (2011). The common ingroup identity model: Recategorization and the reduction of intergroup bias. *European Review of Social Psychology*. <https://doi.org/10.1080/14792779343000004>
- Galai, D., & Sade, O. (2006). The “Ostrich Effect” and the relationship between the liquidity and yields of financial assets. *The Journal of Business*, 79(5), 2741–2759.
- Geanakoplos, J., Pearce, D., & Stacchetti, E. (1989). Psychological games and sequential rationality. *Games and Economic Behavior*, 1(1), 60–79. [https://doi.org/10.1016/0899-8256\(89\)90005-5](https://doi.org/10.1016/0899-8256(89)90005-5)
- Gesetz zur Neuregelung von Luftsicherheitsaufgaben. LuftSiG, § 14 (2005). Retrieved from [http://www.bgbl.de/xaver/bgbl/start.xav?startbk=Bundesanzeiger\\_BGBI&jumpTo=bgbl105s0078.pdf](http://www.bgbl.de/xaver/bgbl/start.xav?startbk=Bundesanzeiger_BGBI&jumpTo=bgbl105s0078.pdf)
- Gigerenzer, G., & Selten, R. (2001). *Bounded rationality*. Cambridge, MA: MIT Press.

- Glaeser, E. L., Laibson, D. I., Scheinkman, J. A., & Soutter, C. L. (2000). Measuring trust. *Quarterly Journal of Economics*, 115(3), 811–846. <https://doi.org/10.1162/003355300554926>
- Glaholt, M. G., & Reingold, E. M. (2011). Eye movement monitoring as a process tracing methodology in decision making research. *Journal of Neuroscience, Psychology, and Economics*, 4(2), 125–146. <https://doi.org/10.1037/a0020692>
- Glaholt, M. G., Wu, M.-C., & Reingold, E. M. (2009). Predicting preference from fixations. *PsychNology Journal*, 7(2), 141–158.
- Glöckner, A., & Betsch, T. (2008). Multiple-reason decision making based on automatic processing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 34(5), 1055–1075. <https://doi.org/10.1037/0278-7393.34.5.1055>
- Glöckner, A., & Betsch, T. (2011). The empirical content of theories in judgment and decision making: Shortcomings and remedies. *Judgment and Decision Making*, 6(8), 711–721.
- Glöckner, A., Fiedler, S., Hochman, G., Ayal, S., & Hilbig, B. E. (2012). Processing differences between descriptions and experience: A comparative analysis using eye-tracking and physiological measures. *Frontiers in Psychology*, 3. <https://doi.org/10.3389/fpsyg.2012.00173>
- Glöckner, A., & Herbold, A. (2011). An eye-tracking study on information processing in risky decisions: Evidence for compensatory strategies based on automatic processes. *Journal of Behavioral Decision Making*, 98(1), 71–98. <https://doi.org/10.1002/bdm>
- Gluth, S., Rieskamp, J., & Büchel, C. (2012). Deciding when to decide: Time-variant sequential sampling models explain the emergence of value-based decisions in the human brain. *Journal of Neuroscience*, 32(31), 10686–10698. <https://doi.org/10.1523/JNEUROSCI.0727-12.2012>

- Goldin, C., & Rouse, C. (2000). Orchestrating impartiality: The impact of “blind” auditions on female musicians. *American Economic Review*, 90(4), 715–741. <https://doi.org/10.1257/aer.90.4.715>
- Goldstein, W. M., & Hogarth, R. M. (1997). *Research on judgment and decision making: Currents, connections, and controversies*. Cambridge, MA: Cambridge University Press.
- Golman, R., Hagmann, D., & Loewenstein, G. (2010). Information avoidance. *Review of General Psychology*, 14(4), 340–353. <https://doi.org/10.1037/a0021288>
- Graziano, W. G., Habashi, M. M., Sheese, B. E., & Tobin, R. M. (2007). Agreeableness, empathy, and helping: A person x situation perspective. *Journal of Personality and Social Psychology*, 93(4), 583–599. <https://doi.org/10.1037/0022-3514.93.4.583>
- Greene, J. D. (2007). Why are VMPFC patients more utilitarian? A dual-process theory of moral judgment explains. *Trends in Cognitive Sciences*, 11(8), 322–323. <https://doi.org/10.1016/j.tics.2007.06.004>
- Greene, J. D. (2008). The secret joke of Kant’s soul. In W. Sinnott-Armstrong (Ed.), *Moral Psychology, Vol. 3. The neuroscience of morality: Emotion, brain disorders, and development*. (pp. 35–80). Cambridge, MA: MIT Press.
- Greene, J. D. (2014). Beyond point-and-shoot morality: Why cognitive (neuro)science matters for ethics. *Ethics*, 124(4), 695–726. <https://doi.org/10.1086/675875>
- Greene, J. D., Cushman, F. A., Stewart, L. E., Lowenberg, K., Nystrom, L. E., & Cohen, J. D. (2009). Pushing moral buttons: The interaction between personal force and intention in moral judgment. *Cognition*, 111(3), 364–371. <https://doi.org/10.1016/j.cognition.2009.02.001>
- Greene, J. D., Morelli, S. A., Lowenberg, K., Nystrom, L. E., & Cohen, J. D. (2008). Cognitive load selectively interferes with utilitarian moral judgment. *Cognition*, 107(3), 1144–1154. <https://doi.org/10.1016/j.cognition.2007.11.004>

- Greene, J. D., Nystrom, L. E., Engell, A. D., Darley, J. M., & Cohen, J. D. (2004). The neural bases of cognitive conflict and control in moral judgment. *Neuron*, 44(2), 389–400. <https://doi.org/10.1016/j.neuron.2004.09.027>
- Greene, J. D., Sommerville, R. B., Nystrom, L. E., Darley, J. M., & Cohen, J. D. (2001). An fMRI investigation of emotional engagement in moral judgment. *Science*, 293(5537), 2105–2108. <https://doi.org/10.1126/science.1062872>
- Greiner, B. (2015). Subject pool recruitment procedures: Organizing experiments with ORSEE. *Journal of the Economic Science Association*, 1(1), 114–125. <https://doi.org/10.1007/s40881-015-0004-4>
- Grundgesetz. GG Art. 1 (1949). Retrieved from [http://www.gesetze-im-internet.de/gg/art\\_1.html](http://www.gesetze-im-internet.de/gg/art_1.html)
- Gul, F., & Pesendorfer, W. (2008). The case for mindless economics. In A. Caplin & A. Schotter, *The foundations of positive and normative economics: A handbook*. Oxford, UK: Oxford University Press.
- Güth, W., Ploner, M., & Regner, T. (2009). Determinants of in-group bias: Is group affiliation mediated by guilt-aversion? *Journal of Economic Psychology*, 30(5), 814–827. <https://doi.org/10.1016/j.joep.2009.07.001>
- Haidt, J. (2001). The emotional dog and its rational tail: A social intuitionist approach to moral judgment. *Psychological Review*, 108(4), 814–834. <https://doi.org/10.1037//0033-295X>
- Haidt, J., Koller, S. H., & Dias, M. G. (1993). Affect, culture, and morality, or is it wrong to eat your dog? *Journal of Personality and Social Psychology*, 65(4), 613–628.
- Halevy, N., Bornstein, G., & Sagiv, L. (2008). “In-group love” and “out-group hate” as motives for individual participation in intergroup conflict: A new game paradigm. *Psychological Science*, 19(4), 405–411. <https://doi.org/10.1111/j.1467-9280.2008.02100.x>

- Hamilton, K., Shih, S.-I., & Mohammed, S. (2016). The development and validation of the Rational and Intuitive Decision Styles Scale. *Journal of Personality Assessment*, 98(5), 523–535. <https://doi.org/10.1080/00223891.2015.1132426>
- Hammond, P. J. (1976). Changing tastes and coherent dynamic choice. *The Review of Economic Studies*, 43(1), 159–173. <https://doi.org/10.2307/2296609>
- Haran, U., Ritov, I., & Mellers, B. A. (2013). The role of actively open-minded thinking in information acquisition, accuracy, and calibration. *Judgment and Decision Making*, 8(3), 188.
- Hare, R. M. (1981). *Moral thinking: Its levels, method, and point*. Oxford, UK: Oxford University Press.
- Hart, W., Albarracín, D., Eagly, A. H., Brechan, I., Lindberg, M. J., & Merrill, L. (2009). Feeling validated versus being correct: a meta-analysis of selective exposure to information. *Psychological Bulletin*, 135(4), 555–588. <https://doi.org/10.1037/a0015701>
- Hartung, F.-M., & Renner, B. (2014). The Need to Belong and the Relationship Between Loneliness and Health. *Zeitschrift für Gesundheitspsychologie*, 22, 194–201.
- Hauser, M., Cushman, F., Young, L., Kang-Xing, J. R., & Mikhail, J. (2007). A dissociation between moral judgments and justifications. *Mind & Language*, 22(1), 1–21. <https://doi.org/10.1111/j.1468-0017.2006.00297.x>
- Henning, H., & Six, B. (2008). Machiavellismus. In A. Glöckner-Rist (Ed.), *Zusammenstellung sozialwissenschaftlicher Items und Skalen. ZIS Version 12.00*. Bonn, Germany: GESIS.
- Henrich, J., McElreath, R., Barr, A., Ensminger, J., Barrett, C., Bolyanatz, A., ... Ziker, J. (2006). Costly punishment across human societies. *Science*, 312(5781), 1767–1770. <https://doi.org/10.1126/science.1127333>

- Hertwig, R., & Engel, C. (2016). Homo ignorans: Deliberately choosing not to know. *Perspectives on Psychological Science*, 11(3), 359–372. <https://doi.org/10.1177/17456916166635594>
- Hertwig, R., & Ortmann, A. (2001). Experimental practices in economics: A methodological challenge for psychologists? *Behavioral and Brain Sciences*, 24(3), 383–403.
- Hewstone, M., Rubin, M., & Willis, H. (2002). Intergroup bias. *Annual Review of Psychology*, 53(1), 575–604. <https://doi.org/10.1146/annurev.psych.53.100901.135109>
- Hilbig, B. E., & Zettler, I. (2009). Pillars of cooperation: Honesty–Humility, social value orientations, and economic behavior. *Journal of Research in Personality*, 43(3), 516–519. <https://doi.org/10.1016/j.jrp.2009.01.003>
- Hochman, G., Glöckner, A., Fiedler, S., & Ayal, S. (2016). “I can see it in your eyes”: Biased processing and increased arousal in dishonest responses. *Journal of Behavioral Decision Making*, 29(2–3), 322–335. <https://doi.org/10.1002/bdm.1932>
- Hogg, M. A. (2000). Subjective uncertainty reduction through self-categorization: A motivational theory of social identity processes. *European Review of Social Psychology*, 11(1), 223–255. <https://doi.org/10.1080/14792772043000040>
- Hogg, M. A. (2016). Social Identity Theory. In *Understanding peace and conflict through Social Identity Theory* (pp. 3–17). Springer, Cham. [https://doi.org/10.1007/978-3-319-29869-6\\_1](https://doi.org/10.1007/978-3-319-29869-6_1)
- Holmqvist, K., Nyström, M., Andersson, R., Dewhurst, R., Jarodzka, H., & van de Weijer, J. (2011). *Eye tracking: A comprehensive guide to methods and measures*. Oxford, UK: Oxford University Press.
- Holt, C. A., & Laury, S. K. (2002). Risk aversion and incentive effects. *American Economic Review*, 92(5), 1644–1655. <https://doi.org/10.1257/000282802762024700>

- Huetting, F., Olivers, C. N. L., & Hartsuiker, R. J. (2011). Looking, language, and memory: Bridging research from the visual world and visual search paradigms. *Acta Psychologica*, 137(2), 138–150. <https://doi.org/10.1016/j.actpsy.2010.07.013>
- Huey, E. B. (1898). Preliminary experiments in the physiology and psychology of reading. *The American Journal of Psychology*, 9(4), 575–586. <https://doi.org/10.2307/1412192>
- Jacob, R. J. K., & Karn, K. S. (2003). Eye tracking in human-computer interaction and usability research: Ready to deliver the promises. *Mind*, 2(3), 573–605. <https://doi.org/10.1016/B978-044451020-4/50031-1>
- Javal, E. (1878). Essai sur la physiologie de la lecture [Essay on the Physiology of Reading]. *Annales d'Oculistique*, 79, 97–117.
- Jiang, T., Potters, J., & Funaki, Y. (2015). Eye-tracking social preferences. *Journal of Behavioral Decision Making*, 29(2–3), 157–168. <https://doi.org/10.1002/bdm.1899>
- Joo, S. J., Katz, L. N., & Huk, A. C. (2016). Decision-related perturbations of decision-irrelevant eye movements. *Proceedings of the National Academy of Sciences of the United States of America*, 113(7), 1925–1930. <https://doi.org/10.1073/pnas.1520309113>
- Just, M. A., & Carpenter, P. A. (1976). Eye fixations and cognitive processes. *Cognitive Psychology*, 8(4), 441–480. [https://doi.org/10.1016/0010-0285\(76\)90015-3](https://doi.org/10.1016/0010-0285(76)90015-3)
- Just, M. A., & Carpenter, P. A. (1980). A theory of reading: From eye fixations to comprehension. *Psychological Review*, 87, 329–354. <https://doi.org/10.1037/0033-295X.87.4.329>
- Kaas, L., & Manger, C. (2011). Ethnic Discrimination in Germany's Labour Market: A Field Experiment. *German Economic Review*, 13(1), 1–20. <https://doi.org/10.1111/j.1468-0475.2011.00538.x>

- Kahane, G., Wiech, K., Shackel, N., Farias, M., Savulescu, J., & Tracey, I. (2012). The neural basis of intuitive and counterintuitive moral judgment. *Social Cognitive and Affective Neuroscience*, 7(4), 393–402. <https://doi.org/10.1093/scan/nsr005>
- Kahn, P. H. (1992). Children's obligatory and discretionary moral judgments. *Child Development*, 63(2), 416–430.
- Kahneman, D. (2003). A perspective on judgment and choice: Mapping bounded rationality. *The American Psychologist*, 58(9), 697–720. <https://doi.org/10.1037/0003-066X.58.9.697>
- Kahneman, D., & Beatty, J. (1966). Pupil diameter and load on memory. *Science*, 154(3756), 1583–1585.
- Kandul, S., & Ritov, I. (2017). Close your eyes and be nice: Deliberate ignorance behind pro-social choices. *Economics Letters*, 153, 54–56. <https://doi.org/10.1016/j.econlet.2017.02.010>
- Kant, I. (1785). *Grundlegung zur Metaphysik der Sitten [Groundwork for the metaphysics of morals]*. (T. E. Hill, Jr. & A. Zweig, Eds., A. Zweig, Trans.). Oxford, UK: Oxford University Press.
- Kant, I. (1797). Über ein vermeintes Recht aus Menschenliebe zu lügen [On a supposed right to lie because of philanthropic concerns]. In J. W. Ellington (Trans.), *Grundlegung zur Metaphysik der Sitten [Groundwork for the metaphysics of morals]*. Indianapolis, IN, USA: Hackett Publishing Co, Inc.
- Karlsson, N., Loewenstein, G., & Seppi, D. (2009). The ostrich effect: Selective attention to information. *Journal of Risk and Uncertainty*, 38(2), 95–115.
- Kastner, R. M. (2010). Moral judgments and visual attention: An eye-tracking investigation. *Chrestomathy: Annual Review of Undergraduate Research*, School of Humanities and Social Sciences, School of Languages, Cultures, and World Affairs, 9, 114–28.

- Kawakami, K., Williams, A., Sidhu, D., Choma, B. L., Rodriguez-Bailón, R., Cañadas, E., ... Hugenberg, K. (2014). An eye for the I: Preferential attention to the eyes of ingroup members. *Journal of Personality and Social Psychology*, 107(1), 1–20. <https://doi.org/10.1037/a0036838>
- Kekes, J. (1987). Benevolence: A minor virtue. *Social Philosophy and Policy*, 4(2), 21–36. <https://doi.org/10.1017/S0265052500000522>
- Kelley, K., & Maxwell, S. E. (2003). Sample size for multiple regression: Obtaining regression coefficients that are accurate, not simply significant. *Psychological Methods*, 8(3), 305–321. <https://doi.org/10.1037/1082-989X.8.3.305>
- Kieslich, P. J., & Hilbig, B. E. (2014). Cognitive conflict in social dilemmas: An analysis of response dynamics. *Judgment and Decision Making*, 9(6), 510–522.
- Killgore, W. D. S., Killgore, D. B., Day, L. M., Li, C., Kamimori, G. H., & Balkin, T. J. (2007). The effects of 53 hours of sleep deprivation on moral judgment. *Sleep*, 30(3), 345–352.
- Kim, B., Seligman, D., & Kable, J. W. (2012). Preference reversals in decision making under risk are accompanied by changes in attention to different attributes. *Frontiers in Neuroscience*, 6. <https://doi.org/10.3389/fnins.2012.00109>
- Kim, R., Kleiman-Weiner, M., Abeliuk, A., Awad, E., Dsouza, S., Tenenbaum, J., & Rahwan, I. (2018). *A computational model of commonsense moral decision making* (No. 1801.04346v1). Cambridge MA, USA: Massachusetts Institute of Technology. Retrieved from <https://arxiv.org/abs/1801.04346>
- Kimbrough, E. O., Miller, J. B., & Vostroknutov, A. (2014). *Norms, frames and prosocial behavior in games*. Simon Fraser University, Bocconi University, Maastricht University. Retrieved from [http://www.tilburguniversity.edu/upload/09895bdf-165c-4c64-b150-43402c18119d\\_A.%20Vostroknutov-frames09.pdf](http://www.tilburguniversity.edu/upload/09895bdf-165c-4c64-b150-43402c18119d_A.%20Vostroknutov-frames09.pdf)

- Kimbrough, E. O., & Vostroknutov, A. (2016). Norms make preferences social. *Journal of the European Economic Association*, 14(3), 608–638. <https://doi.org/10.1111/jeea.12152>
- Klauer, K. C., Voss, A., Schmitz, F., & Teige-Mocigemba, S. (2007). Process components of the Implicit Association Test: A diffusion-model analysis. *Journal of Personality and Social Psychology*, 93(3), 353–368. <https://doi.org/10.1037/0022-3514.93.3.353>
- Klein, C. (2011). The dual track theory of moral decision-making: A critique of the neuroimaging evidence. *Neuroethics*, 4(2), 143–162. <https://doi.org/10.1007/s12152-010-9077-1>
- Koch, C., & Ullman, S. (1985). Shifts in selective visual attention: towards the underlying neural circuitry. *Human Neurobiology*, 4(4), 219–227.
- Koenigs, M., Young, L., Adolphs, R., Tranel, D., Cushman, F., Hauser, M., & Damasio, A. (2007). Damage to the prefrontal cortex increases utilitarian moral judgements. *Nature*, 446(7138), 908–911. <https://doi.org/10.1038/nature05631>
- Kohlberg, L. (1963). The development of children's orientations toward a moral order I. Sequence in the development of moral thought. *Vita Humana*, 6, 11–33. <https://doi.org/10.1159/000269667>
- Kohlberg, L. (1981). *Essays on moral development, vol. I: The philosophy of moral development*. San Francisco, CA, USA: Harper and Row.
- Kopelman, S., Weber, J. M., & Messick, D. M. (2002). Factors influencing cooperation in commons dilemmas: A review of experimental psychological research. In National Research Council, *The Drama of the Commons*. Washington, DC, USA: The National Academies Press. <https://doi.org/10.17226/10287>
- Koven, N. S. (2011). Specificity of meta-emotion effects on moral decision-making. *Emotion*, 11(5), 1255–1261. <https://doi.org/10.1037/a0025616>

- Krajbich, I., Armel, C., & Rangel, A. (2010). Visual fixations and the computation and comparison of value in simple choice. *Nature Neuroscience*, *13*(10), 1292–1298. <https://doi.org/10.1038/nn.2635>
- Krajbich, I., Bartling, B., Hare, T., & Fehr, E. (2015). Rethinking fast and slow based on a critique of reaction-time reverse inference. *Nature Communications*, *6*, 7455. <https://doi.org/10.1038/ncomms8455>
- Krajbich, I., & Dean, M. (2015). How can neuroscience inform economics? *Current Opinion in Behavioral Sciences*, *5*, 51–57. <https://doi.org/10.1016/j.cobeha.2015.07.005>
- Krajbich, I., Lu, D., Camerer, C., & Rangel, A. (2012). The attentional drift-diffusion model extends to simple purchasing decisions. *Frontiers in Psychology*, *3*, 1–18. <https://doi.org/10.3389/fpsyg.2012.00193>
- Krajbich, I., Oud, B., & Fehr, E. (2014). Benefits of neuroeconomic modeling: New policy interventions and predictors of preference. *American Economic Review*, *104*(5), 501–506. <https://doi.org/10.1257/aer.104.5.501>
- Krajbich, I., & Rangel, A. (2011). Multialternative drift-diffusion model predicts the relationship between visual fixations and choice in value-based decisions. *Proceedings of the National Academy of Sciences of the United States of America*, *108*(33), 13852–13857. <https://doi.org/10.1073/pnas.1101328108>
- Kranton, R., Pease, M., Sanders, S., & Huettel, S. (2017). *Deconstructing bias: Individual groupiness and income allocation*. Durham, NC, USA: Duke University.
- Kret, M. E., Fischer, A. H., & De Dreu, C. K. W. (2015). Pupil mimicry correlates with trust in in-group partners with dilating pupils. *Psychological Science*, *26*(9), 1401–1410. <https://doi.org/10.1177/0956797615588306>

- Krupka, E. L., & Weber, R. A. (2013). Identifying social norms using coordination games: Why does dictator game sharing vary? *Journal of the European Economic Association*, 11(3), 495–524. <https://doi.org/10.1111/jeea.12006>
- Kühberger, A., Schulte-Mecklenbeck, M., & Perner, J. (2002). Framing decisions: Hypothetical and real. *Organizational Behavior and Human Decision Processes*, 89(2), 1162–1175. [https://doi.org/10.1016/S0749-5978\(02\)00021-3](https://doi.org/10.1016/S0749-5978(02)00021-3)
- La Macchia, S. T., Louis, W. R., Hornsey, M. J., & Leonardelli, G. J. (2016). In small we trust: Lay theories about small and large groups. *Personality and Social Psychology Bulletin*, 42(10), 1321–1334. <https://doi.org/10.1177/0146167216657360>
- Lamme, V. A. F. (2003). Why visual attention and awareness are different. *Trends in Cognitive Sciences*, 7(1), 12–18.
- Lans, R. V. D., Pieters, R., & Wedel, M. (2008). Eye-Movement analysis of search effectiveness. *Journal of the American Statistical Association*, 103(482), 452–461. <https://doi.org/10.1198/016214507000000437>
- Leary, M. R., Kelly, K. M., Cottrell, C. A., & Schreindorfer, L. S. (2013). Construct validity of the Need to Belong Scale: Mapping the nomological network. *Journal of Personality Assessment*, 95(6), 610–624. <https://doi.org/10.1080/00223891.2013.819511>
- Lee, M. D., & Cummins, T. D. R. (2004). Evidence accumulation in decision making: Unifying the “take the best” and the “rational” models. *Psychonomic Bulletin & Review*, 11(2), 343–352. <https://doi.org/10.3758/BF03196581>
- Lerman, C., Hughes, C., Trock, B. J., Myers, R. E., Bonney, A., Abbaszadegan, M. R., ... Lynch, H. T. (1999). Genetic testing in families with hereditary nonpolyposis colon cancer. *JAMA*, 281(17), 1618. <https://doi.org/10.1001/jama.281.17.1618>

- Lerman, C., Narod, S., Schulman, K., Hughes, C., Gomez-Caminero, A., Bonney, G., ... Lynch, H. (1996). BRCA1 testing in families with hereditary breast-ovarian cancer. A prospective study of patient decision making and outcomes. *JAMA*, *275*(24), 1885–1892.
- Levi, D. M., Klein, S. A., & Aitsebaomo, A. P. (1985). Vernier acuity, crowding and cortical magnification. *Vision Research*, *25*(7), 963–977.
- LeVine, D. T., & Campbell, R. A. (1972). *Ethnocentrism: Theories of conflict, ethnic attitudes, and group behavior*. New York, NY, USA: Wiley.
- Lichtenstein, S., & Slovic, P. (1971). Reversals of preference between bids and choices in gambling decisions. *Journal of Experimental Psychology*, *89*, 46–55.
- Lohse, G. L. (1997). Consumer eye movement patterns on yellow pages advertising. *Journal of Advertising*, *26*(1), 61–73. <https://doi.org/10.1080/00913367.1997.10673518>
- Lohse, G. L., & Johnson, E. J. (1996). A comparison of two process tracing methods for choice tasks. *Organizational Behavior and Human Decision Processes*, *68*(1), 28–43.
- López-Pérez, R. (2008). Aversion to norm-breaking: A model. *Games and Economic Behavior*, *64*(1), 237–267. <https://doi.org/10.1016/j.geb.2007.10.009>
- Luce, R. D., & Raiffa, H. (1957). *Games and decisions: Introduction and critical survey*. New York, NY, USA: Wiley.
- MacCrimmon, K. R., & Larsson, S. (1979). Utility Theory: Axioms versus ‘paradoxes.’ In *Expected utility hypotheses and the Allais paradox* (pp. 333–409). Dordrecht, The Netherlands: Springer. [https://doi.org/10.1007/978-94-015-7629-1\\_15](https://doi.org/10.1007/978-94-015-7629-1_15)
- Marewski, J. N., Bröder, A., & Glöckner, A. (2018). Some metatheoretical reflections on adaptive decision making and the strategy selection problem. *Journal of Behavioral Decision Making*. <https://doi.org/10.1002/bdm.2075>

- Matin, E. (1974). Saccadic suppression: a review and an analysis. *Psychological Bulletin*, 81(12), 899–917.
- Maxwell, S. E. (2004). The persistence of underpowered studies in psychological research: causes, consequences, and remedies. *Psychological Methods*, 9(2), 147–163. <https://doi.org/10.1037/1082-989X.9.2.147>
- Maxwell, S. E., Kelley, K., & Rausch, J. R. (2008). Sample size planning for statistical power and accuracy in parameter estimation. *Annual Review of Psychology*, 59(1), 537–563. <https://doi.org/10.1146/annurev.psych.59.103006.093735>
- McClintock, C. G., & van Avermaet, E. (1982). Social values and rules of fairness: A theoretical perspective. In V. J. Derlega & J. L. Grzelak, *Cooperation and helping behaviour: Theories and research* (pp. 43–71). New York, NY, USA: Academic Press.
- McGuire, J., Langdon, R., Coltheart, M., & Mackenzie, C. (2009). A reanalysis of the personal/impersonal distinction in moral psychology research. *Journal of Experimental Social Psychology*, 45(3), 577–580. <https://doi.org/10.1016/j.jesp.2009.01.002>
- Meier, N. R. F. (1931). Reasoning in humans. II. The solution of a problem and its appearance in consciousness. *Journal of Comparative Psychology*, 12(2), 181–194.
- Mendez, M. F., Anderson, E., & Shapira, J. S. (2005). An investigation of moral judgement in frontotemporal dementia. *Cognitive and Behavioral Neurology*, 18(4), 193–197.
- Merkel, A. L., & Lohse, J. (2018). Is fairness intuitive? An experiment accounting for subjective utility differences under time pressure. *Experimental Economics*, 1–27. <https://doi.org/10.1007/s10683-018-9566-3>
- Messick, D. M., & McClintock, C. G. (1968). Motivational bases of choice in experimental games. *Journal of Experimental Social Psychology*, 4(1), 1–25. [https://doi.org/10.1016/0022-1031\(68\)90046-2](https://doi.org/10.1016/0022-1031(68)90046-2)

- Mill, J. S. (1863). *Utilitarianism*. London, UK: Parker, Son, and Bourn, West Strand.
- Milosavljevic, M., Navalpakkam, V., Koch, C., & Rangel, A. (2011). Relative visual saliency differences induce sizable bias in consumer choice. *Journal of Consumer Psychology*, 22(1), 67–74. <https://doi.org/10.1016/j.jcps.2011.10.002>
- Mischkowski, D., & Glöckner, A. (2016). Spontaneous cooperation for prosocials, but not for proselfs: Social value orientation moderates spontaneous cooperation behavior. *Scientific Reports*, 6, 21555–21555. <https://doi.org/10.1038/srep21555>
- Moll, J., De Oliveira-Souza, R., & Zahn, R. (2008). The neural basis of moral cognition. *Annals of the New York Academy of Sciences*, 1124(1), 161–180. <https://doi.org/10.1196/annals.1440.005>
- Moore, A. B., Clark, B. A., & Kane, M. J. (2008). Who shalt not kill? Individual differences in working memory capacity, executive control, and moral judgment. *Psychological Science*, 19(6), 549–557. <https://doi.org/10.1111/j.1467-9280.2008.02122.x>
- Mullen, B., Brown, R., & Smith, C. (1992). Ingroup bias as a function of salience, relevance, and status: An integration. *European Journal of Social Psychology*, 22(2), 103–122. <https://doi.org/10.1002/ejsp.2420220202>
- Murphy, R. O., & Ackermann, K. A. (2013). Social value orientation: Theoretical and measurement issues in the study of social preferences. *Personality and Social Psychology Review*, 18(1), 1–29. <https://doi.org/10.1177/1088868313501745>
- Murphy, R. O., Ackermann, K. A., & Handgraaf, M. J. J. (2011). Measuring social value orientation. *Judgment and Decision Making*, 6(8), 771–781. <https://doi.org/10.2139/ssrn.1804189>

- Mussen, P. H., & Eisenberg-Berg, N. (1977). Roots of caring, sharing, and helping: The development of prosocial behavior in children. Oxford, UK: W. H. Freeman.
- Needleman, S. B., & Wunsch, C. D. (1970). A general method applicable to the search for similarities in the amino acid sequence of two proteins. *Journal of Molecular Biology*, 48(3), 443–453. [https://doi.org/10.1016/0022-2836\(70\)90057-4](https://doi.org/10.1016/0022-2836(70)90057-4)
- Newell, B. R., & Le Pelley, M. E. (2018). Perceptual but not complex moral judgments can be biased by exploiting the dynamics of eye-gaze. *Journal of Experimental Psychology. General*, 147(3), 409–417. <https://doi.org/10.1037/xge0000386>
- Nickerson, R. (1998). Confirmation bias: A ubiquitous phenomenon in many guises. *Review of General Psychology*, 2(2), 175–220.
- Nisbett, R. E., & Wilson, T. D. (1977). Telling more than we can know: Verbal reports on mental processes. *Psychological Review*, 84(3), 231–59.
- Nissen, M. J., & Bullemer, P. (1987). Attentional requirements of learning: Evidence from performance measures. *Cognitive Psychology*, 19(1), 1–32. [https://doi.org/10.1016/0010-0285\(87\)90002-8](https://doi.org/10.1016/0010-0285(87)90002-8)
- Noton, D., & Stark, L. (1971). Scanpaths in saccadic eye movements while viewing and recognizing patterns. *Vision Research*, 11(9), 929–942. [https://doi.org/10.1016/0042-6989\(71\)90213-6](https://doi.org/10.1016/0042-6989(71)90213-6)
- Noudoost, B., Chang, M. H., Steinmetz, N. A., & Moore, T. (2010). Top-down control of visual attention. *Current Opinion in Neurobiology*, 20(2), 183–190. <https://doi.org/10.1016/j.conb.2010.02.003>
- Nucci, L., & Turiel, E. (2009). Capturing the complexity of moral development and education. *Mind, Brain, and Education*, 3(3), 151–159. <https://doi.org/10.1111/j.1751-228X.2009.01065.x>

- Ockenfels, A., & Werner, P. (2014). Beliefs and ingroup favoritism. *Journal of Economic Behavior & Organization*, 108, 453–462. <https://doi.org/10.1016/j.jebo.2013.12.003>
- Offerman, T., Sonnemans, J., & Schram, A. (1996). Value orientations, expectations and voluntary contributions in public goods. *Economic Journal*, 106(437), 817–845.
- Ogdie, A. R., Reilly, J. B., Pang, W. G., Keddem, S., Barg, F. K., Von Feldt, J. M., & Myers, J. S. (2012). Seen through their eyes: Residents' reflections on the cognitive and contextual components of diagnostic errors in medicine. *Academic Medicine*, 87(10), 1361–1367. <https://doi.org/10.1097/ACM.0b013e31826742c9>
- Oken, D. (1961). What to tell cancer patients: A study of medical attitudes. *JAMA*, 175(13), 1120–1128. <https://doi.org/10.1001/jama.1961.03040130004002>
- Orquin, J. L., Ashby, N. J. S., & Clarke, A. D. F. (2016). Areas of interest as a signal detection problem in behavioral eye-tracking research. *Journal of Behavioral Decision Making*, 29(2–3), 103–115. <https://doi.org/10.1002/bdm.1867>
- Orquin, J. L., & Mueller Loose, S. (2013). Attention and choice: A review on eye movements in decision making. *Acta Psychologica*, 144(1), 190–206. <https://doi.org/10.1016/j.actpsy.2013.06.003>
- Oster, E., Shoulson, I., & Dorsey, E. R. (2013). Optimal expectations and limited medical testing: Evidence from Huntington disease. *American Economic Review*, 103(2), 804–830. <https://doi.org/10.1257/aer.103.2.804>
- Otten, S., & Epstude, K. (2006). Overlapping mental representations of self, ingroup, and outgroup: Unraveling self-stereotyping and self-anchoring. *Personality and Social Psychology Bulletin*, 32, 957–969. <https://doi.org/10.1177/0146167206287254>
- Otten, S., & Moskowitz, G. B. (2000). Evidence for implicit evaluative in-group bias: Affect-biased spontaneous trait inference in a minimal group paradigm.

*Journal of Experimental Social Psychology*, 36(1), 77–89.  
<https://doi.org/10.1006/jesp.1999.1399>

- Pärnamets, P., Johansson, P., Hall, L., Balkenius, C., Spivey, M. J., & Richardson, D. C. (2015). Biasing moral decisions by exploiting the dynamics of eye gaze. *Proceedings of the National Academy of Sciences of the United States of America*, 112(13), 4170–4175. <https://doi.org/10.1073/pnas.1415250112>
- Patil, I., & Silani, G. (2014). Reduced empathic concern leads to utilitarian moral judgments in trait alexithymia. *Frontiers in Psychology*, 5. <https://doi.org/10.3389/fpsyg.2014.00501>
- Paxton, J. M., Bruni, T., & Greene, J. D. (2014). Are ‘counter-intuitive’ deontological judgments really counter-intuitive? An empirical reply to Kahane et al. (2012). *Social Cognitive and Affective Neuroscience*, 9(9), 1368–1371. <https://doi.org/10.1093/scan/nst102>
- Payne, J. W. (1976). Task complexity and contingent processing in decision making: An information search and protocol analysis. *Organizational Behavior and Human Performance*, 16(2), 366–387. [https://doi.org/10.1016/0030-5073\(76\)90022-2](https://doi.org/10.1016/0030-5073(76)90022-2)
- Payne, J. W., Bettman, J. R., & Johnson, E. J. (1993). The adaptive decision maker. *The Economic Journal*, 105(428), 20–33. <https://doi.org/10.2307/2235352>
- Perdue, C. W., Dovidio, J. F., Gurtman, M. B., & Tyler, R. B. (1990). Us and them: Social categorization and the process of intergroup bias. *Journal of Personality and Social Psychology*, 59(3), 475–486. <https://doi.org/10.1037/0022-3514.59.3.475>
- Perera, P., Canic, E., & Ludvig, E. A. (2015). Cruel to be kind but not cruel for cash: Harm aversion in the dictator game. *Psychonomic Bulletin & Review*. <https://doi.org/10.3758/s13423-015-0959-4>

- Pietersa, R., & Warlopb, L. (1999). Visual attention during brand choice: The impact of time pressure and task motivation. *International Journal of Research in Marketing*, 16(1), 1–16. [https://doi.org/10.1016/S0167-8116\(98\)00022-6](https://doi.org/10.1016/S0167-8116(98)00022-6)
- Pinter, B., & Greenwald, A. G. (2010). A comparison of minimal group induction procedures. *Group Processes & Intergroup Relations*, 14(1), 81–98. <https://doi.org/10.1177/1368430210375251>
- Piovesan, M., & Wengström, E. (2009). Fast or fair? A study of response times. *Economics Letters*, 105, 193–196. <https://doi.org/10.1016/j.econlet.2009.07.017>
- Posner, M. I. (1980). Orienting of attention. *Quarterly Journal of Experimental Psychology*, 32(1), 3–25. <https://doi.org/10.1080/00335558008248231>
- Pratto, F., Sidanius, J., Stallworth, L. M., & Malle, B. F. (1994). Social dominance orientation: A personality variable predicting social and political attitudes. *Journal of Personality and Social Psychology*, 67, 741–763. <https://doi.org/10.1037/0022-3514.67.4.741>
- Pruitt, D. G., & Kimmel, M. J. (1977). Twenty years of experimental gaming: Critique, synthesis, and suggestions for the future. *Annual Review of Psychology*, 28(1), 363–392. <https://doi.org/10.1146/annurev.ps.28.020177.002051>
- Raab, M., & Johnson, J. G. (2007). Expertise-based differences in search and option-generation strategies. *Journal of Experimental Psychology: Applied*, 13(3), 158–170. <https://doi.org/10.1037/1076-898X.13.3.158>
- Rabin, M. (1993). Incorporating fairness into game theory and economics. *The American Economic Review*, 83(5), 1281–1302.
- Rand, D. G. (2016). Cooperation, fast and slow: Meta-analytic evidence for a theory of social heuristics and self-interested deliberation. *Psychological Science*, 27(9), 1192–1206. <https://doi.org/10.1177/0956797616654455>

- Rand, D. G., Greene, J. D., & Nowak, M. A. (2012). Spontaneous giving and calculated greed. *Nature*, 489(7416), 427–430. <https://doi.org/10.1038/nature11467>
- Rand, D. G., Newman, G. E., & Wurzbacher, O. M. (2015). Social Context and the Dynamics of Cooperative Choice. *Journal of Behavioral Decision Making*, 28(2), 159–166. <https://doi.org/10.1002/bdm.1837>
- Rand, D. G., Peysakhovich, A., Kraft-Todd, G. T., Newman, G. E., Wurzbacher, O., Nowak, M. A., & Greene, J. D. (2014). Social heuristics shape intuitive cooperation. *Nature Communications*, 5, 3677–3677. <https://doi.org/10.1038/ncomms4677>
- Rapoport, Amnon, & Wallsten, T. S. (1972). Individual decision behavior. *Annual Review of Psychology*, 23(1), 131–176. <https://doi.org/10.1146/annurev.ps.23.020172.001023>
- Rapoport, Anatol, & Dale, P. S. (1966). The "end" and "start" effects in iterated prisoner's dilemma. *Journal of Conflict Resolution*, 10(3), 363–366.
- Ratcliff, R., & Frank, M. J. (2012). Reinforcement-based decision Making in corticostriatal circuits: mutual constraints by neurocomputational and diffusion models. *Neural Computation*, 24(5), 1186–1229. [https://doi.org/10.1162/NECO\\_a\\_00270](https://doi.org/10.1162/NECO_a_00270)
- Ratcliff, R., & McKoon, G. (2008). The diffusion decision model: theory and data for two-choice decision tasks. *Neural Computation*, 20(4), 873–922. <https://doi.org/10.1162/neco.2008.12-06-420>
- Rawls, J. (1971). *A theory of justice*. Boston, MA, USA: Harvard University Press.
- Rayner, K. (1998). Eye movements in reading and information processing: 20 years of research. *Psychological Bulletin*, 124, 372–422. <https://doi.org/10.1037/0033-2909.124.3.372>

- Reingold, E. M., Charness, N., Pomplun, M., & Stampe, D. M. (2001). Visual span in expert chess players: evidence from eye movements. *Psychological Science*, 12(1), 48–55. <https://doi.org/10.1111/1467-9280.00309>
- Reisen, N., Hoffrage, U., & Mast, F. (2008). Identifying decision strategies in a consumer choice situation. *Judgment and Decision Making*, 3(8), 641–658.
- Richardson, D. C., & Spivey, M. J. (2008). Eye tracking: Characteristics and methods. In G. E. Wnek & G. L. Bowlin, *Encyclopedia of biomaterials and biomedical engineering* (pp. 1028–1042). New York, NY, USA: Informa Healthcare USA, Inc.
- Roberts, T. A. (1973). *The concept of benevolence: Aspects of eighteenth-century moral philosophy*. London, UK: Macmillan.
- Romano, A., Balliet, D., Yamagishi, T., & Liu, J. H. (2017). Parochial trust and cooperation across 17 societies. *Proceedings of the National Academy of Sciences of the United States of America*, 201712921. <https://doi.org/10.1073/pnas.1712921114>
- Rosenboim, M., & Shavit, T. (2012). Whose money is it anyway? Using prepaid incentives in experimental economics to create a natural environment. *Experimental Economics*, 15(1), 145–157. <https://doi.org/10.1007/s10683-011-9294-4>
- Royzman, E. B., & Baron, J. (2002). The preference for indirect harm. *Social Justice Research*, 15(2), 165–184. <https://doi.org/10.1023/A:1019923923537>
- Rubin, D. B. (1987). *Multiple imputation for nonresponse in surveys*. Hoboken, NJ, USA: John Wiley & Sons, Inc. <https://doi.org/10.1002/9780470316696.fmatter>
- Rusbult, C. E., & van Lange, P. A. M. (2003). Interdependence, interaction, and relationships. *Annual Review of Psychology*, 54(1), 351–375. <https://doi.org/10.1146/annurev.psych.54.101601.145059>

- Russo, J. E., & Leclerc, F. (1994). An eye-fixation analysis of choice processes for consumer nondurables. *Journal of Consumer Research*, 21(2), 274–290. <https://doi.org/10.2307/2489820>
- Russo, J. E., & Rosen, L. D. (1975). An eye fixation analysis of multialternative choice. *Memory & Cognition*, 3(3), 267–276. <https://doi.org/10.3758/BF03212910>
- Sagar, H. A., & Schofield, J. W. (1980). Racial and behavioral cues in black and white children's perceptions of ambiguously aggressive acts. *Journal of Personality and Social Psychology*, 39(4), 590–598.
- Salvucci, D. D., & Goldberg, J. H. (2000). Identifying fixations and saccades in eye-tracking protocols. In *Proceedings of the Symposium on Eye Tracking Research & Applications* (pp. 71–78). ACM Press. <https://doi.org/10.1145/355017.355028>
- Samuelson, P. A. (1938). A note on the pure theory of consumer's behaviour. *Economica*, 5(17), 61–71. <https://doi.org/10.2307/2548836>
- Savage, L. J. (1954). *The foundations of statistics*. Wiley Publications in Statistics.
- Schimmack, U. (2012). The ironic effect of significant results on the credibility of multiple-study articles. *Psychological Methods*, 17(4), 551–566. <https://doi.org/10.1037/a0029487>
- Schlink, S., & Walther, E. (2007). Kurz und gut: Eine deutsche Kurzsкала zur Erfassung des Bedürfnisses nach kognitiver Geschlossenheit [Short and good: A German short scale for measuring the Need for Cognitive Closure]. *Zeitschrift für Sozialpsychologie*, 38(3), 153–161.
- Schmidt, P., Bamberg, S., Davidov, E., Herrmann, J., & Schwartz, S. H. (2007). Die Messung von Werten mit dem „Portraits Value Questionnaire“ [Measuring values with the “Portraits Value Questionnaire”]. *Zeitschrift für Sozialpsychologie*, 38(4), 261–275. <https://doi.org/10.1024/0044-3514.38.4.261>

- Schönbrodt, F. D., & Perugini, M. (2013). At what sample size do correlations stabilize? *Journal of Research in Personality*, 47(5), 609–612.  
<https://doi.org/10.1016/j.jrp.2013.05.009>
- Schwartz, S. H. (1992). Universals in the content and structure of values: Theoretical advances and empirical tests in 20 countries. In M. P. Zanna (Ed.), *Advances in experimental social psychology* (Vol. 25, pp. 1–65). Academic Press.  
[https://doi.org/10.1016/S0065-2601\(08\)60281-6](https://doi.org/10.1016/S0065-2601(08)60281-6)
- Schwartz, S. H., Melech, G., Lehmann, A., Burgess, S., Harris, M., & Owens, V. (2001). Extending the cross-cultural validity of the Theory of Basic Human Values with a different method of measurement. *Journal of Cross-Cultural Psychology*, 32(5), 519–542.  
<https://doi.org/10.1177/0022022101032005001>
- Selten, R. (1978). The chain store paradox. *Theory and Decision*, 9(2), 127–159.  
<https://doi.org/10.1007/BF00131770>
- Selten, R., & Stoecker, R. (1986). End behavior in sequences of finite Prisoner's Dilemma supergames A learning theory approach. *Journal of Economic Behavior & Organization*, 7(1), 47–70.
- Sevinc, G., & Spreng, R. N. (2014). Contextual and perceptual brain processes underlying moral cognition: A quantitative meta-analysis of moral reasoning and moral emotions. *PLOS ONE*, 9(2), e87427.  
<https://doi.org/10.1371/journal.pone.0087427>
- Shimojo, S., Simion, C., Shimojo, E., & Scheier, C. (2003). Gaze bias both reflects and influences preference. *Nature Neuroscience*, 6(12), 1317–1322.  
<https://doi.org/10.1038/nn1150>
- Sidanius, J., Pratto, F., & Mitchell, M. (1994). In-group identification, social dominance orientation, and differential intergroup social allocation. *The Journal of Social Psychology*, 134(2), 151–167.  
<https://doi.org/10.1080/00224545.1994.9711378>

- Simion, C., & Shimojo, S. (2007). Interrupting the cascade: Orienting contributes to decision making even in the absence of visual stimulation. *Perception & Psychophysics*, 69(4), 591–595. <https://doi.org/10.3758/BF03193916>
- Simon, B., & Brown, R. (1987). Perceived intragroup homogeneity in minority-majority contexts. *Journal of Personality and Social Psychology*, 53(4), 703–711. <https://doi.org/10.1037/0022-3514.53.4.703>
- Simonsohn, U. (2017). *Two-lines: A valid alternative to the invalid testing of u-shaped relationships with quadratic regressions*. Philadelphia, PA, USA: University of Pennsylvania. Retrieved from <https://papers.ssrn.com/abstract=3021690>
- Slovic, P., Fischhoff, B., & Lichtenstein, S. (1977). Behavioral Decision Theory. *Annual Review of Psychology*, 28(1), 1–39. <https://doi.org/10.1146/annurev.ps.28.020177.000245>
- Smith, E. R., & Miller, F. D. (1978). Limits on perception of cognitive processes: A reply to Nisbett and Wilson. *Psychological Review*, 85(4), 355–362. <https://doi.org/10.1037/0033-295X.85.4.355>
- Souchon, N., Maio, G. R., Hanel, P. H. P., & Bardin, B. (2016). Does spontaneous favorability to power (vs. universalism) values predict spontaneous prejudice and discrimination? Implicitly measuring attitude to values. *Journal of Personality*. <https://doi.org/10.1111/jopy.12269>
- Spivey, M. J., Grosjean, M., & Knoblich, G. (2005). Continuous attraction toward phonological competitors. *Proceedings of the National Academy of Sciences of the United States of America*, 102(29), 10393–10398. <https://doi.org/10.1073/pnas.0503903102>
- Spranca, M., Minsk, E., & Baron, J. (1991). Omission and commission in judgment and choice. *Journal of Experimental Psychology*, 27(1), 76.105. [https://doi.org/10.1016/0022-1031\(91\)90011-T](https://doi.org/10.1016/0022-1031(91)90011-T)

- Stern, J. A., Boyer, D., & Schroeder, D. (1994). Blink rate: a possible measure of fatigue. *Human Factors*, 36(2), 285–297. <https://doi.org/10.1177/001872089403600209>
- Stigler, G. J. (1961). The economics of information. *Journal of Political Economy*, 69(3), 213–225. <https://doi.org/10.1086/258464>
- Stirrat, M., & Perrett, D. I. (2010). Valid facial cues to cooperation and trust: male facial width and trustworthiness. *Psychological Science*, 21(3), 349–354. <https://doi.org/10.1177/0956797610362647>
- Strohminger, N., Caldwell, B., Cameron, D., Borg, J. S., & Sinnott-Armstrong, W. (2014). Implicit morality: A methodological survey. In *Experimental ethics* (pp. 133–156). London, UK: Palgrave Macmillan. [https://doi.org/10.1057/9781137409805\\_10](https://doi.org/10.1057/9781137409805_10)
- Struch, N., & Schwartz, S. H. (1989). Intergroup aggression: its predictors and distinctness from in-group bias. *Journal of Personality and Social Psychology*, 56(3), 364–373.
- Sullivan, R. J., Menapace, L. W., & White, R. M. (2001). Truth-telling and patient diagnoses. *Journal of Medical Ethics*, 27(3), 192–197. <https://doi.org/10.1136/jme.27.3.192>
- Suter, R. S., & Hertwig, R. (2011). Time and moral judgment. *Cognition*, 119(3), 454–458. <https://doi.org/10.1016/j.cognition.2011.01.018>
- Sütterlin, B., Brunner, T. A., & Opwis, K. (2008). Eye-tracking the cancellation and focus model for preference judgments. *Journal of Experimental Social Psychology*, 44(3), 904–911. <https://doi.org/10.1016/j.jesp.2007.09.003>
- Svenson, O. (1974). *A note on Think Aloud Protocols obtained during the choice of a home* (Reports from the Psychological Laboratories No. 421). Stockholm, Sweden: Stockholm University.
- Swap, W. C., & Rubin, J. Z. (1983). Measurement of interpersonal orientation. *Journal of Personality and Social Psychology*, 44(1), 208.

- Tajfel, H. (1970). Experiments in intergroup discrimination. *Scientific American*, 223, 96–102. <https://doi.org/10.1038/scientificamerican1170-96>
- Tajfel, H., Billig, M. G., Bundy, R. P., & Flament, C. (1971). Social categorization and intergroup behaviour. *European Journal of Social Psychology*, 1(2), 149–178. <https://doi.org/10.1002/ejsp.2420010202>
- Tajfel, H., & Turner, J. (1979). An integrative theory of intergroup conflict. In W. G. Austin & S. Worchel, *The social psychology of intergroup relations* (pp. 33–47). Monterey, CA, USA: Brooks/Cole.
- Tajfel, H., & Turner, J. C. (1986). The social identity theory of intergroup behavior. *Psychology of Intergroup Relations*, 2, 7–24. <https://doi.org/10.1111/j.1751-9004.2007.00066.x>
- Tangney, J. P., Baumeister, R. F., & Boone, A. L. (2004). High self-control predicts good adjustment, less pathology, better grades, and interpersonal success. *Journal of Personality*, 72(2), 271–324. <https://doi.org/10.1111/j.0022-3506.2004.00263.x>
- Tännsjö, T. (2005). Moral dimensions. *BMJ: British Medical Journal*, 331(7518), 689–691.
- Taylor, M. (1977). Anarchy and cooperation. *Political Theory*, 5(2), 271–275.
- Tetlock, P. E., Peterson, R. S., & Lerner, J. S. (1996). Revising the value pluralism model: Incorporating social content and context postulates. In C. Seligman, J. M. Olson, & M. P. Zanna, *The psychology of values: The Ontario symposium*. (Vol. 8, pp. 25–51). Hillsdale, NJ, USA: Lawrence Erlbaum Associates, Inc.
- Theeuwes, J. (2010). Top-down and bottom-up control of visual selection. *Acta Psychologica*, 135(2), 77–99. <https://doi.org/10.1016/j.actpsy.2010.02.006>
- Thielmann, I., & Böhm, R. (2016). Who does (not) participate in intergroup conflict? *Social Psychological and Personality Science*, 1948550616660160–1948550616660160. <https://doi.org/10.1177/1948550616660160>

- Thomson, J. J. (1985). The trolley problem. *The Yale Law Journal*, 94(6), 1395–1415.
- Tinghög, G., Andersson, D., Bonn, C., Böttiger, H., Josephson, C., Lundgren, G., ... Johannesson, M. (2013). Intuition and cooperation reconsidered. *Nature*, 498(7452), E1–E2. <https://doi.org/10.1038/nature12194>
- Tinghög, G., Andersson, D., Bonn, C., Johannesson, M., Kirchler, M., Koppel, L., & Västfjäll, D. (2016). Intuition and moral decision-making—the effect of time pressure and cognitive load on moral judgment and altruistic behavior. *PLOS ONE*, 11(10), e0164012.
- Tinker, M. (1928). A photographic study of eye movements in reading formulae. *Genetic Psychology Monographs*, 3.
- Trémolière, B., Neys, W. D., & Bonnefon, J.-F. (2012). Mortality salience and morality: thinking about death makes people less utilitarian. *Cognition*, 124(3), 379–384. <https://doi.org/10.1016/j.cognition.2012.05.011>
- Turiel, E. (2006). Thought, emotions, and social interactional processes in moral development. In M. Killen & J. G. Smetana, *Handbook of moral development* (pp. 25–54). New York, NY, USA: Psychology Press.
- Turiel, E. (2015). Morality and prosocial judgments and behavior. In D. A. Schroeder & W. Graziano G., *The Oxford Handbook of prosocial behavior*. Oxford, UK: Oxford University Press.
- Van Bavel, J. J., Packer, D. J., & Cunningham, W. A. (2008). The neural substrates of in-group bias: A functional magnetic resonance imaging investigation. *Psychological Science*, 19(11), 1131–1139. <https://doi.org/10.1111/j.1467-9280.2008.02214.x>
- Van der Henst, J.-B., Yang, Y., & Johnson-Laird, P. n. (2002). Strategies in sentential reasoning. *Cognitive Science*, 26(4), 425–468. [https://doi.org/10.1207/s15516709cog2604\\_2](https://doi.org/10.1207/s15516709cog2604_2)
- van Lange, P. A. M. (1999). The pursuit of joint outcomes and equality in outcomes: An integrative model of social value orientation. *Journal of Personality and*

*Social Psychology*, 77, 337–349. <https://doi.org/10.1037/0022-3514.77.2.337>

- van Lange, P. A. M. (2000). Beyond self-interest: A set of propositions relevant to interpersonal orientations. *European Review of Social Psychology*, 11(1), 297–331. <https://doi.org/10.1080/14792772043000068>
- van Lange, P. A. M., Joireman, J., Parks, C. D., & Van Dijk, E. (2013). The psychology of social dilemmas: A review. *Organizational Behavior and Human Decision Processes*, 120(2), 125–141. <https://doi.org/10.1016/j.obhdp.2012.11.003>
- van Raaij, W. F. (1977). Consumer information processing for different information structures and formats. *Advances in Consumer Research*, 4, 176–184.
- Van Vugt, M., De Cremer, D., & Janssen, D. P. (2007). Gender differences in cooperation and competition - The male-warrior hypothesis. *Psychological Science*, 18(1), 19–23. <https://doi.org/10.1111/j.1467-9280.2007.01842.x>
- VandenBos, G. R. (Ed.). (2007). *APA dictionary of psychology*. Washington, DC, USA: American Psychological Association.
- Velichkovsky, B. M., Dornhoefer, S. M., Pannasch, S., & Unema, P. J. a. (2000). Visual fixations and level of attentional processing. *Proceedings of the Symposium on Eye Tracking Research & Applications - ETRA '00*, 79–85. <https://doi.org/10.1145/355017.355029>
- Velichkovsky, B. M., Rothert, R., Kopf, M., Dornhöfer, S. M., & Joos, M. (2002). Towards an express-diagnostics for level of processing and hazard perception. *Transportation Research Part F: Traffic Psychology and Behaviour*, 5(2), 145–156. [https://doi.org/10.1016/S1369-8478\(02\)00013-X](https://doi.org/10.1016/S1369-8478(02)00013-X)
- Verkoefen, P. P. J. L., & Bouwmeester, S. (2014). Does intuition cause cooperation? *PLOS ONE*, 9(5), e96654. <https://doi.org/10.1371/journal.pone.0096654>
- von Neumann, J., & Morgenstern, O. (1944). *Theory of games and economic behavior*. Princeton, NJ, USA: Princeton University Press.

- Wade, N., & Tatler, B. (2005). *The moving tablet of the eye: The origins of modern eye movement research*. Oxford, UK: Oxford University Press.
- Wagenmakers, E.-J., Ratcliff, R., Gomez, P., & McKoon, G. (2008). A diffusion model account of criterion shifts in the lexical decision task. *Journal of Memory and Language, 58*(1), 140–159. <https://doi.org/10.1016/j.jml.2007.04.006>
- Walster, E., Berscheid, E., & Walster, G. W. (1973). New directions in equity research. *Journal of Personality and Social Psychology, 25*(2), 151.
- Wang, J. T., Spezio, M., & Camerer, C. F. (2010). Pinocchio's pupil: using eyetracking and pupil dilation to understand truth telling and deception in sender-receiver games. *American Economic Review, 100*(3), 984–1007. <https://doi.org/10.1257/aer.100.3.984>
- Wedel, M., Pieters, R., & Liechty, J. (2008). Attention switching during scene perception: how goals influence the time course of eye movements across advertisements. *Journal of Experimental Psychology. Applied, 14*(2), 129–138. <https://doi.org/10.1037/1076-898X.14.2.129>
- Wedell, D. H., & Senter, S. M. (1997). Looking and weighting in judgment and choice. *Organizational Behavior and Human Decision Processes, 70*(1), 41–64.
- Weisel, O., & Shalvi, S. (2015). The collaborative roots of corruption. *Proceedings of the National Academy of Sciences of the United States of America, 112*(34), 10651–10656. <https://doi.org/10.1073/pnas.1423035112>
- Whitton, A. E., Henry, J. D., & Grisham, J. R. (2014). Moral rigidity in obsessive-compulsive disorder: Do abnormalities in inhibitory control, cognitive flexibility and disgust play a role? *Journal of Behavior Therapy and Experimental Psychiatry, 45*(1), 152–159. <https://doi.org/10.1016/j.jbtep.2013.10.001>
- Wills, J., Hackel, L., & Van Bavel, J. J. (2018). *Shifting prosocial intuitions: Neurocognitive evidence for a value based account of group-based cooperation* (No. u736d). New York, NY, USA: New York University. Retrieved from <https://psyarxiv.com/u736d/>

- Wilson, R. K., & Eckel, C. C. (2006). Judging a book by its cover: Beauty and expectations in the trust game. *Political Research Quarterly*, *59*(2), 189–202. <https://doi.org/10.1177/106591290605900202>
- Wilson, T. D., & Dunn, E. W. (2004). Self-knowledge: Its limits, value, and potential for improvement. *Annual Review of Psychology*, *55*, 493–518. <https://doi.org/10.1146/annurev.psych.55.090902.141954>
- Woolley, K., & Risen, J. L. (2018). Closing your eyes to follow your heart: Avoiding information to protect a strong intuitive preference. *Journal of Personality and Social Psychology*, *114*(2), 230–245. <https://doi.org/10.1037/pspa0000100>
- Worchel, S., Rothgerber, H., Day, E. A., Hart, D., & Butemeyer, J. (1998). Social identity and individual productivity within groups. *British Journal of Social Psychology*, *37*(4), 389–413. <https://doi.org/10.1111/j.2044-8309.1998.tb01181.x>
- Wynia, M. K., Cummins, D. S., VanGeest, J. B., & Wilson, I. B. (2000). Physician manipulation of reimbursement rules for patients: between a rock and a hard place. *JAMA*, *283*(14), 1858–1865.
- Yamagishi, T., Jin, N., & Kiyonari, T. (1999). Bounded generalized reciprocity: Ingroup boasting and ingroup favoritism. *Advances in Group Processes*, *16*(16), 161–197.
- Yamagishi, T., & Kiyonari, T. (2000). The Group as the Container of Generalized Reciprocity. *Social Psychology Quarterly*, *63*(2), 116. <https://doi.org/10.2307/2695887>
- Yantis, S. (2000). Goal-directed and stimulus-driven determinants of attentional control. In S. Monsell & J. Driver (Eds.), *Control of cognitive processes: Attention and performance XVIII*. MIT Press.
- Yarbus, A. L. (1967). *Eye movements and vision*. Boston, MA, USA: Springer.

Zick, A., & Six, B. (1997). Autoritarismus: Vorurteile und Einstellungen zur Akkulturation. *Gruppendynamik*, 28, 305–320.  
<https://doi.org/10.6102/zis155>