



Morality and Self-Control: How They Are Intertwined and Where They Differ

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Abstract

Despite sharing conceptual overlap, morality and self-control research have led largely separate lives. In this article, we highlight neglected connections between these major areas of psychology. To this end, we first note their conceptual similarities and differences. We then show how morality research, typically emphasizing aspects of moral cognition and emotion, may benefit from incorporating motivational concepts from self-control research. Similarly, self-control research may benefit from a better understanding of the moral nature of many self-control domains. We place special focus on various components of self-control and on the ways in which self-control goals may come to be seen as moral issues (i.e., *moralized*).

Keywords

morality, self-control, moralization, moral behavior

What is the connection between our moral sense of right and wrong and our capacity to resist temptations? In this article, we argue that many everyday challenges take place at the intersection of moral systems and the “master virtue” of self-control. Societies everywhere have created moral value systems that are passed on to (most) of their members through the process of socialization. These moral values and rules often motivate people to forego immediate, short-term impulses and desires for the sake of other individuals rather than personal benefits. Examples include restraining a sexual impulse to remain faithful to one’s partner, resisting the urge to surf the Internet while at work, and suppressing aggressive impulses when being provoked. Presumably, the overarching societal outcome of such behavioral regulation is some sort of balance or trade-off between individual interests and collective interests, such as public safety, order, and health (see Freud, 1930, for a classic treatment of this trade-off). From this perspective, the individual capacity to regulate impulses and desires can be regarded as an important prerequisite for societal functioning.

The purpose of this article is to help build a stronger bridge between morality and self-control research. With this goal in mind, we address three core questions

regarding the connection between morality and self-control. First, what is the conceptual overlap between the two fields? Second, what can current self-control research teach us about when people succeed and when they do not succeed at translating moral standards into moral behavior? Third, what can research on morality tell us about when and why people begin to see their self-control goals as moral issues (i.e., *moralize* their goals) and what effect this moralization process has on self-control success?

Conceptual Overlap and Differences

Morality can be described as a culturally transmitted set of normative values and rules that enable people to live together (more or less) in harmony. Influential definitions of morality suggest that morality has two key functions (Durkheim, 1912/2008; Haidt, 2007): constraining action and providing identity. By helping to delineate and identify what is the morally “right” or “wrong” thing

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to do, morality constrains human action, primarily by reining in selfishness. Thus, moral systems “make cooperative social life possible” (Haidt & Kesebir, 2010, p. 800). Morality also serves to bind people who share moral values into a collective identity or ideological in-group (Graham & Haidt, 2010; Haidt, 2012).

Self-control, on the other hand, can be defined as the “ability to override or change one’s inner responses, as well as to interrupt undesired behavioral tendencies (such as impulses) and refrain from acting on them” (Tangney, Baumeister, & Boone, 2004, p. 274). According to related definitions, self-control becomes relevant whenever people have to deal with a motivational conflict between a short-term desire or goal and an opposing higher-order goal (e.g., Hofmann, Baumeister, Förster, & Vohs, 2012; Kotabe & Hofmann, 2015). Self-control thus enables the successful resolution of inner motivational conflicts in the service of such higher-order goals.

Viewed in concert, it is fair to say that morality and self-control interlock and form what we call *moral self-control* whenever people need to suppress a selfish impulse or desire in the service of a less selfish (e.g., cooperative, prosocial) moral value or goal. Moral self-control can be contrasted with nonmoral self-control, which is the suppression of a short-term self-interested desire in the service of a long-term self-interested goal. For example, resisting the desire to enjoy a steak to help promote a sustainable planet is an instance of moral self-control; resisting the very same desire in order to improve one’s own health is an instance of nonmoral self-control. This proposed definition of moral self-control also helps distinguish moral self-control from other types of moral regulation or moral conflict resolution. For example, solving a moral dilemma between opposing moral values such as loyalty and fairness—as in the case of whistle-blowing (Waytz, Dungan, & Young, 2013)—is an instance of moral regulation but not moral self-control (for a related view, see Monin, Pizarro, & Beer, 2007).

In summary, not all moral failures are self-control failures (because not all morality requires self-control), and not all self-control failures are moral failures (because not all self-control goals are moralized). Yet self-control and morality overlap in important ways. This has implications for both research on morality and self-control, as detailed next.

The Influence of Self-Control on Morality

Morality research often explores individual, situational, and cultural influences on moral judgment (i.e., what people consider the right or wrong thing to do in a given situation). But moral judgments, and their corresponding intentions, are only loosely related to actual

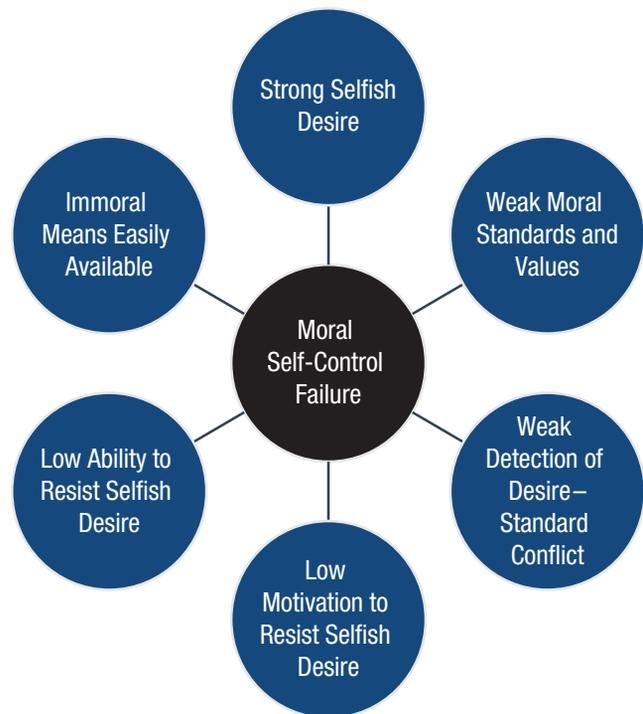


Fig. 1. Key reasons for moral self-control failure (see the text for details).

moral behavior (e.g., Blasi, 1980). To understand why people’s moral ideals, values, judgments, and behavioral intentions do not always align with their actual behavior, it may be particularly useful to integrate self-control theories and frameworks. That is, why do some people occasionally have a hard time resisting a selfish impulse? From a broad self-control perspective, there are six distinct “problem spots” for translating moral standards into actual moral deeds, as summarized in Figure 1 (see Kotabe & Hofmann, 2015, for an integrative model from which these components were derived):

1. *Strong selfish desire.* The motivational pull of the selfish desire may be very strong or overpowering, such as when large amounts of money are at stake (e.g., Schier, Ockenfels, & Hofmann, 2016).
2. *Weak moral standards and values.* The moral standards or values that motivate altruistic or cooperative behavior may be only weakly represented and endorsed, either temporarily (e.g., very abstract representation) or chronically (e.g., lack of internalization during socialization).
3. *Weak detection of desire–standard conflict.* Most models of self-control assume that it is necessary to detect conflicts between desires and standards

in order for self-control to be activated (e.g., Kotabe & Hofmann, 2015; Sheldon & Fishbach, 2015). Under certain conditions, people may fail to notice such a conflict between their selfish desire and an endorsed moral value. For instance, such self-monitoring can be hampered during acute alcohol intoxication (Hull, 1981).

4. *Low motivation to resist selfish desire.* Despite endorsing a given moral value (and experiencing a conflict), people may not be motivated enough at any given time to resist a selfish desire. For instance, witnessing other people acting selfishly (e.g., working in a selfish corporate culture) may quickly kill the motivation to aspire to one's moral ideals (see also Cameron & Rapier, 2017, on compassion as a motivated choice). Also, people appear to trade off moral and immoral deeds over time, at least under some conditions. This might result in self-licensing or balancing (e.g., I was good before, so I deserve to be selfish now; Merritt, Effron, & Monin, 2010; see also Hofmann et al., 2014), which conceptually links to motivational self-control failure (De Witt Huberts, Evers, & De Ridder, 2014; Kotabe & Hofmann, 2015).
5. *Low ability to resist selfish desire.* The ability to resist temptation is related to executive functioning, particularly inhibitory control and working memory capacity (for a review, see Hofmann, Schmeichel, & Baddeley, 2012). Executive functioning can vary because of both chronic individual differences between people and temporary fluctuations due to situational factors, such as cognitive load (Ward & Mann, 2000) or time of day (Kouchaki & Smith, 2014). A considerable amount of research shows that when a person experiences a conflicting selfish urge, poor self-control makes it more difficult for the person to act morally (e.g., Gino, Schweitzer, Mead, & Ariely, 2011; Knoch, Pascual-Leone, Meyer, Treyer, & Fehr, 2006; Shalvi, Eldar, & Bereby-Meyer, 2012).¹
6. *Immoral means easily available.* Even when a person has no inner constraints to inhibit a selfish desire, external factors such as lack of time or money, as well as social barriers (e.g., one's partner) and physical barriers (e.g., prison bars), can keep the person from enacting the desire. This factor is closely related to the emerging literature on choice architecture and nudging, which typically tries to identify and implement factors that render the immoral option less accessible or more difficult to carry out (Mazar & Hawkins, 2015; Thaler & Sunstein, 2008). An important avenue for future research is to better

understand how such external nudges interact with internal factors, such as the accessibility of moral values (e.g., Shu, Mazar, Gino, Ariely, & Bazerman, 2012).

We believe that self-control and morality research will further converge in at least three ways. First, it is clear that self-control and moral behavior share dynamics over time, such that the parameters that give rise to both indulgent and immoral behavior may get readjusted as people gather feedback and engage in attributions and processes of dissonance reduction afterward. This may give rise to patterns of snowballing or slippery slope effects, including processes of moral disengagement (Bandura, Barbaranelli, Caprara, & Pastorelli, 1996). Second, recent self-control research has made clear that the effortful inhibition of impulses is only one (late-stage) aspect of self-control and that proactive attempts to avoid temptation in the first place may be just as important (Fujita, 2011). This distinction has an intriguing parallel in the distinction between *will* (self-control) and *grace* (lack of temptation) in the moral domain (Greene & Paxton, 2009) and raises the fascinating question of how these proactive forms of self-control can best be brought about. Third, the increased interest in how self-control may help initiate desired behaviors and inhibit undesired ones (de Ridder, de Boer, Lugtig, Bakker, & van Hooft, 2011) resonates with the distinction between proscriptive (i.e., what should be done) versus prescriptive (i.e., what should not be done) morality (Janoff-Bulman, Sheikh, & Hepp, 2009).

The Influence of Morality on Self-Control

But what of the converse relation: Does morality contribute to self-control? As argued above, an important conceptual connection exists at the level of self-control goals. Moral values carry exceptional motivational power for self-restraint, so moralization has the potential to have a considerable influence on self-control behavior. The moralization of self-control is the process by which, over time, self-control preferences are converted into values (Rozin, 1999). This process can influence phenomena ranging from dietary restrictions (Rozin, Markwith, & Stoess, 1997) to sexual abstinence (Haidt & Hersh, 2001) and refraining from alcohol or drug use (Rozin & Singh, 1999). But exactly what forms does this moralization take, and is it effective for achieving self-control?²

According to the well-established moral-foundations theory (Graham et al., 2013), morality is based on several core moral principles: *care-barm* (i.e., "don't harm other people"), *fairness-cheating* (i.e., "don't pursue

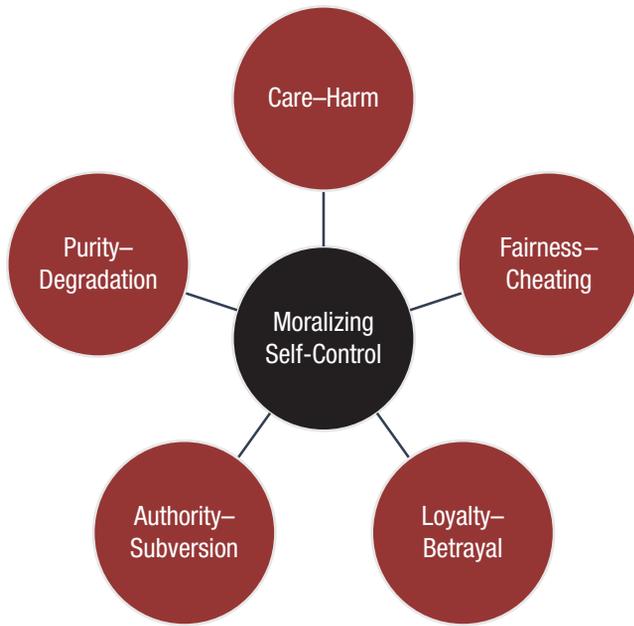


Fig. 2. Key dimensions by which self-control goals may come to be seen as moral issues (i.e., *moralized*; see the text for details).

your own advantage in disproportionate ways”), *loyalty-betrayal* (i.e., “don’t betray your in-group”), *authority-subversion* (i.e., “don’t disrespect rules, traditions, and authority figures”), and *purity-degradation* (i.e., “don’t violate natural order or standards of decency”; see Fig. 2).³ Each of these may, in principle, serve as a moral reason for desire regulation in the sense of a moral “ought” (i.e., proscriptive morality; Janoff-Bulman et al., 2009).

That said, some moral values appear to contribute more to the moralization process than others. Using moral-foundations theory as a framework, Mooijman and colleagues (2017) showed in a series of studies involving large data sets and multiple conceptual replications that the group-focused, “binding” moral values of loyalty, authority, and purity (rather than “individualizing” values of care and fairness) play a particularly important role in the process of self-control moralization. Specifically, these group-focused values were important predictors of why people perceived self-control as a moral issue. These moral values were also shown to mediate the effect of other predictors of moralization of self-control, including political conservatism, religiosity, and collectivism. Moreover, experimentally priming people to think of morality in a group-focused (vs. individual-focused) way increased moralization of self-control goals, whether those goals involved money, food, work, substances, relationships, or exercise. These findings highlight that converting self-control into a moral value is a group-oriented process, thus

uniting the constraining and binding functions of morality mentioned earlier.

Not only do these findings show important conceptual connections between morality and self-control, they also open up more novel applied questions. First, they suggest that endorsing values such as loyalty, authority, and purity may make some individuals—such as religious or collectivist individuals—better than others at achieving self-control success and avoiding self-control failures (e.g., McCullough & Willoughby, 2009). In addition, these results open up the question of how this may happen. Future research should test whether moralized self-control goals affect traditional components of the self-control process, such as value strength or conflict detection (Kotabe & Hofmann, 2015), or whether they perhaps enjoy more unique properties. Future work should also explore whether people extract greater lessons from self-control failures in moralized domains because of more intense positive–negative emotional feedback loops via feelings of pride or guilt, respectively (e.g., Baumeister, Vohs, DeWall, & Zhang, 2007).

Second, although the findings of Mooijman et al. (2017) suggest that the moralization of self-control occurs primarily through the group-focused binding foundations, the moral values of care and fairness may also contribute to the moralization process. For instance, paying more attention to buying fair-trade products or saving money to donate to a charity requires self-control and can be aimed at caring for other people. Manipulations and interventions aimed at fostering the moralization of self-control goals and self-control success could match moral concerns with closely associated self-control behavior (e.g., care and fairness with fair-trade products or charity donations).

In addition, understanding how morality impacts self-control may also involve moving beyond interventions and experiments, tracking the moralization of different self-control behaviors over time using natural-language-processing techniques (e.g., analyzing the moralization of self-control behaviors in texts through Google Ngram Viewer; Mooijman et al., 2017). For instance, this would allow researchers to test Rozin’s notion that sex was the big moral topic of the 20th century, but food will be the major moralized topic of the 21st century (e.g., Rozin et al., 1997). It could also tell us when smoking cigarettes became moralized—and when smoking marijuana became less moralized.

Conclusions

How do we resist temptation, prioritizing our future well-being over our present pleasure? And how do we resist acting selfishly, prioritizing the needs of others

over our own self-interest? These two questions highlight the links between understanding self-control and understanding morality. We hope we have shown that morality and self-control share considerable conceptual overlap with regard to the way people regulate behavior in line with higher-order values and standards. As the psychological study of both areas becomes increasingly collaborative and integrated, insights from each subfield can better enable research and interventions to increase human health and flourishing.

Recommended Reading

- Kotabe, H. P., & Hofmann, W. (2015). (See References). An integrative overview of major conceptual hubs in self-control research and how these may interact together.
- Monin, B., Pizarro, D. A., & Beer, J. S. (2007). (See References). A very readable conceptual overview distinguishing different prototypical situations in moral judgment, including moral dilemmas, moral reactions, and moral temptation.
- Mooijman, M., Meindl, P., Oyserman, D., Monterosso, J., Dehghani, M., Doris, J. M., & Graham, J. (2017). (See References). A multimethod investigation taking a pluralist approach to both morality and self-control, detailing which kinds of moral concerns (e.g., fairness, purity) impact moralization of different self-control domains (e.g., exercise, money).
- Rozin, P. (1999). (See References). A short and groundbreaking piece on the dynamics and effects of moralization over time.

Action Editor

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Declaration of Conflicting Interests

The author(s) declared that there were no conflicts of interest with respect to the authorship or the publication of this article.

Notes

1. This prediction is conditional on there being a selfish impulse (in conflict with a less selfish value) to begin with. We believe that the current debate surrounding the more general question of whether humans are selfish or prosocial by nature or default (Rand, Greene, & Nowak, 2012) may be advanced not only through careful methodological considerations (Bouwmeester et al., 2017) but also by relaxing strong theoretical background assumptions (e.g., that the presence of selfish impulses and the strength of such impulses would not differ between people or that various decision contexts would trigger such impulses to the same extent) in favor of a more nuanced, process-based perspective and measurement approach.

2. We do not take any normative position here. Some authors may argue, for instance, that moral concepts should be banned from the discourse on, for example, healthy and unhealthy food choices. To this we would reply that since people do have

moral thoughts and do use morally relevant terms, self-control researchers should, instead, take the phenomenon of moralization seriously and scrutinize both its roots and its possible effects on the self-control process to reach a better descriptive understanding of the phenomenon at hand.

3. Another, separable core moral principle may be *honesty* (i.e., “don’t lie or bend the truth”; Graham et al., 2015; Hofmann et al., 2014).

References

- Bandura, A., Barbaranelli, C., Caprara, G. V., & Pastorelli, C. (1996). Mechanisms of moral disengagement in the exercise of moral agency. *Journal of Personality and Social Psychology, 71*, 364–374.
- Baumeister, R. F., Vohs, K. D., DeWall, N., & Zhang, L. (2007). How emotion shapes behavior: Feedback, anticipation, and reflection, rather than direct causation. *Personality and Social Psychology Review, 11*, 167–203.
- Blasi, A. (1980). Bridging moral cognition and moral action: A critical review of the literature. *Psychological Bulletin, 88*, 1–45.
- Bouwmeester, S., Verkoeijen, P. P. J. L., Aczel, B., Barbosa, F., Bègue, L., Brañas-Garza, P., . . . Wollbrant, C. E. (2017). Registered replication report: Rand, Greene, and Nowak (2012). *Perspectives on Psychological Science, 12*, 527–542.
- Cameron, C. D., & Rapier, K. (2017). Compassion is a motivated choice. In W. Sinnott-Armstrong & C. B. Miller (Eds.), *Moral psychology: Vol. 5. Virtue and character* (pp. 373–408). Cambridge, MA: MIT Press.
- de Ridder, D. T., de Boer, B. J., Lugtig, P., Bakker, A. B., & van Hooft, E. A. (2011). Not doing bad things is not equivalent to doing the right thing: Distinguishing between inhibitory and initiatory self-control. *Personality and Individual Differences, 50*, 1006–1011.
- De Witt Huberts, J. C., Evers, C., & De Ridder, D. T. D. (2014). “Because I am worth it”: A theoretical framework and empirical review of a justification-based account of self-regulation failure. *Personality and Social Psychology Review, 18*, 119–138.
- Durkheim, E. (2008). *The elementary forms of the religious life*. Oxford, England: Oxford University Press. (Original work published 1912)
- Freud, S. (1930). *Civilization and its discontents*. London, England: Hogarth.
- Fujita, K. (2011). On conceptualizing self-control as more than the effortful inhibition of impulses. *Personality and Social Psychology Review, 15*, 352–366.
- Gino, F., Schweitzer, M. E., Mead, N. L., & Ariely, D. (2011). Unable to resist temptation: How self-control depletion promotes unethical behavior. *Organizational Behavior and Human Decision Processes, 115*, 191–203.
- Graham, J., & Haidt, J. (2010). Beyond beliefs: Religions bind individuals into moral communities. *Personality and Social Psychology Review, 14*, 140–150.
- Graham, J., Haidt, J., Koleva, S., Motyl, M., Iyer, R., Wojcik, S. P., & Ditto, P. H. (2013). Moral foundations theory: The pragmatic validity of moral pluralism. In P. Devine & A. Plant

- (Eds.), *Advances in experimental social psychology* (Vol. 47, pp. 55–130). San Diego, CA: Academic Press.
- Graham, J., Meindl, P., Koleva, S., Iyer, R., & Johnson, K. M. (2015). When values and behavior conflict: Moral pluralism and intrapersonal moral hypocrisy. *Social & Personality Psychology Compass*, *9*, 158–170.
- Greene, J. D., & Paxton, J. M. (2009). Patterns of neural activity associated with honest and dishonest moral decisions. *Proceedings of the National Academy of Sciences, USA*, *106*, 12506–12511.
- Haidt, J. (2007). The new synthesis in moral psychology. *Science*, *316*, 998–1002.
- Haidt, J. (2012). *The righteous mind: Why good people are divided by politics and religion*. New York, NY: Pantheon.
- Haidt, J., & Hershey, M. A. (2001). Sexual morality: The cultures and emotions of conservatives and liberals. *Journal of Applied Social Psychology*, *31*, 191–221.
- Haidt, J., & Kesebir, S. (2010). Morality. In S. T. Fiske, D. T. Gilbert, & G. Lindzey (Eds.), *Handbook of social psychology* (5th ed, pp. 797–832). Hoboken, NJ: Wiley.
- Hofmann, W., Baumeister, R. F., Förster, G., & Vohs, K. D. (2012). Everyday temptations: An experience sampling study of desire, conflict, and self-control. *Journal of Personality and Social Psychology*, *102*, 1318–1335.
- Hofmann, W., Schmeichel, B. J., & Baddeley, A. D. (2012). Executive functions and self-regulation. *Trends in Cognitive Sciences*, *3*, 174–180.
- Hofmann, W., Wisneski, D. C., Brandt, M. J., & Skitka, L. J. (2014). Morality in everyday life. *Science*, *345*, 1340–1343.
- Hull, J. G. (1981). A self-awareness model of the causes and effects of alcohol consumption. *Journal of Abnormal Psychology*, *90*, 586–600.
- Janoff-Bulman, R., Sheikh, S., & Hepp, S. (2009). Proscriptive versus prescriptive morality: Two faces of moral regulation. *Journal of Personality and Social Psychology*, *96*, 521–537.
- Knoch, D., Pascual-Leone, A., Meyer, K., Treyer, V., & Fehr, E. (2006). Diminishing reciprocal fairness by disrupting the right prefrontal cortex. *Science*, *314*, 829–832.
- Kotabe, H. P., & Hofmann, W. (2015). On integrating the components of self-control. *Perspectives on Psychological Science*, *10*, 618–638.
- Kouchaki, M., & Smith, I. H. (2014). The morning morality effect: The influence of time of day on unethical behavior. *Psychological Science*, *25*, 95–102.
- Mazar, N., & Hawkins, S. A. (2015). Choice architecture in conflicts of interest: Defaults as physical and psychological barriers to (dis)honesty. *Journal of Experimental Social Psychology*, *59*, 113–117.
- McCullough, M. E., & Willoughby, B. L. B. (2009). Religion, self-regulation, and self-control: Associations, explanations, and implications. *Psychological Bulletin*, *135*, 69–93.
- Merritt, A. C., Effron, D. A., & Monin, B. (2010). Moral self-licensing: When being good frees us to be bad. *Social and Personality Psychology Compass*, *4*, 344–357.
- Monin, B., Pizarro, D. A., & Beer, J. S. (2007). Deciding versus reacting: Conceptions of moral judgment and the reason-affect debate. *Review of General Psychology*, *11*, 99–111.
- Mooijman, M., Meindl, P., Oyserman, D., Monterosso, J., Dehghani, M., Doris, J. M., & Graham, J. (2017). Resisting temptation for the good of the group: Binding moral values and the moralization of self-control. *Journal of Personality and Social Psychology*. Advance online publication. doi:10.1037/pspp0000149
- Rand, D. G., Greene, J. D., & Nowak, M. A. (2012). Spontaneous giving and calculated greed. *Nature*, *489*, 427–430.
- Rozin, P. (1999). The process of moralization. *Psychological Science*, *10*, 218–221.
- Rozin, P., Markwith, M., & Stoess, C. (1997). Moralization and becoming a vegetarian: The transformation of preferences into values and the recruitment of disgust. *Psychological Science*, *8*, 67–73.
- Rozin, P., & Singh, L. (1999). The moralization of cigarette smoking in the United States. *Journal of Consumer Psychology*, *8*, 321–337.
- Schier, U. K., Ockenfels, A., & Hofmann, W. (2016). Moral values and increasing stakes in a dictator game. *Journal of Economic Psychology*, *56*, 107–115.
- Shalvi, S., Eldar, O., & Bereby-Meyer, Y. (2012). Honesty requires time (and lack of justifications). *Psychological Science*, *23*, 1264–1270.
- Sheldon, O. J., & Fishbach, A. (2015). Anticipating and resisting the temptation to behave unethically. *Personality and Social Psychology Bulletin*, *41*, 962–975.
- Shu, L. L., Mazar, N., Gino, F., Ariely, D., & Bazerman, M. H. (2012). Signing at the beginning makes ethics salient and decreases dishonest self-reports in comparison to signing at the end. *Proceedings of the National Academy of Sciences, USA*, *109*, 15197–15200.
- 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*, 271–324.
- Thaler, R. H., & Sunstein, C. R. (2008). *Nudge: Improving decisions about health, wealth, and happiness*. New Haven, CT: Yale University Press.
- Ward, A., & Mann, T. (2000). Don't mind if I do: Disinhibited eating under cognitive load. *Journal of Personality and Social Psychology*, *78*, 753–763.
- Waytz, A., Dungan, J., & Young, L. (2013). The whistleblower's dilemma and the fairness–loyalty tradeoff. *Journal of Experimental Social Psychology*, *49*, 1027–1033.