Helping me, helping you: behavioral and neural development of social competence from childhood to adolescence

Dobbelaar, S.

ADDENDUM

REFERENCES

A

Achterberg, M., Dobbelaar, S., Boer, O. D., & Crone, E. A. (2021). Perceived stress as mediator for longitudinal effects of the COVID-19 lockdown on wellbeing of parents and children. *Scientific Reports*, *11*(1), 2971. https://doi.org/10.1038/s41598-021-81720-8

Achterberg, M., & van der Meulen, M. (2019). Genetic and environmental influences on MRI scan quantity and quality. *Developmental Cognitive Neuroscience*, *38*, 100667. https://doi.org/10.1016/j.dcn.2019.100667

Achterberg, M., van Duijvenvoorde, A. C. K., Bakermans-Kranenburg, M. J., & Crone, E. A. (2016). Control your anger! The neural basis of aggression regulation in response to negative social feedback. *Social Cognitive and Affective Neuroscience*, *11*(5), 712–720. https://doi.org/10.1093/scan/nsv154

Achterberg, M., van Duijvenvoorde, A. C. K., van der Meulen, M., Bakermans-Kranenburg, M. J., & Crone, E. A. (2018). Heritability of aggression following social evaluation in middle childhood: An fMRI study. *Human Brain Mapping*, *39*(7), 2828–2841. https://doi.org/10.1002/hbm.24043

Achterberg, M., van Duijvenvoorde, A. C. K., van der Meulen, M., Euser, S., Bakermans-Kranenburg, M. J., & Crone, E. A. (2017). The neural and behavioral correlates of social evaluation in childhood. *Developmental Cognitive Neuroscience*, *24*, 107–117. https://doi.org/10.1016/j.dcn.2017.02.007

Achterberg, M., van Duijvenvoorde, A. C. K., van IJzendoorn, M. H., Bakermans-Kranenburg, M. J., & Crone, E. A. (2020). Longitudinal changes in DLPFC activation during childhood are related to decreased aggression following social rejection. *Proceedings of the National Academy of Sciences of the United States of America*, *117*(15), 8602–8610. https://doi.org/10.1073/pnas.1915124117

Ainsworth, M. D. S., Bell, S. M., & Stayton, D. F. (1974). Infant-mother attachment and social development: Socialization as a product of reciprocal responsiveness to signals. In *The integration of a child into a social world* (pp. 99–135). Cambridge University Press.

Allen, J. P., Porter, M. R., McFarland, F. C., Marsh, P., & McElhaney, K. B. (2005). The Two Faces of Adolescents' Success With Peers: Adolescent Popularity, Social Adaptation, and Deviant Behavior. *Child Development*, *76*(3), 747–760. https://doi.org/10.1111/j.1467-8624.2005.00875.x

Apps, M. A. J., Rushworth, M. F. S., & Chang, S. W. C. (2016). The Anterior Cingulate Gyrus and Social Cognition: Tracking the Motivation of Others. *Neuron*, *90*(4), 692–707. https://doi.org/10.1016/j.neuron.2016.04.018

B

Barker, E. D., Tremblay, R. E., Nagin, D. S., Vitaro, F., & Lacourse, E. (2006). Development of male proactive and reactive physical aggression during adolescence. *Journal of Child Psychology and Psychiatry*, *47*(8), 783–790. https://doi.org/10.1111/j.1469-7610.2005.01585.x

Bates, D., Mächler, M., Bolker, B., & Walker, S. (2015). Fitting linear mixed-effects models using lme4. *J Stat Softw*, *67*(1), 1–48. https://doi.org/10.18637/jss.v067.i01

Belsky, J., Bakermans-Kranenburg, M. J., & van IJzendoorn, M. H. (2007). For Better and For Worse: Differential Susceptibility to Environmental Influences. *Current Directions in Psychological Science*, *16*(6), 300–304. https://doi.org/10.1111/j.1467-8721.2007.00525.x

Belsky, J., & van IJzendoorn, M. H. (2017). Genetic differential susceptibility to the effects of parenting. *Current Opinion in Psychology*, *15*, 125–130. https://doi.org/10.1016/j.copsyc.2017.02.021

Berndt, T. J. (2004). Children's Friendships: Shifts Over a Half-Century in Perspectives on Their Development and Their Effects. *Merrill-Palmer Quarterly*, *50*(3), 206–223. https://doi.org/10.1353/mpq.2004.0014

Bertsch, K., Florange, J., & Herpertz, S. C. (2020). Understanding Brain Mechanisms of Reactive Aggression. *Current Psychiatry Reports*, *22*(12), 81. https://doi.org/10.1007/s11920-020-01208-6

Beyens, I., Pouwels, J. L., van Driel, I. I., Keijsers, L., & Valkenburg, P. M. (2021). Social Media Use and Adolescents' Well-Being: Developing a Typology of Person-Specific Effect Patterns. *Communication Research*, 00936502211038196. https://doi.org/10.1177/00936502211038196

Beyer, F., Münte, T. F., Göttlich, M., & Krämer, U. M. (2015). Orbitofrontal Cortex Reactivity to Angry Facial Expression in a Social Interaction Correlates with Aggressive Behavior. *Cerebral Cortex*, *25*(9), 3057–3063. https://doi.org/10.1093/cercor/bhu101

Blakemore, S.-J. (2008). The social brain in adolescence. *Nature Reviews Neuroscience*, *9*(4), 267–277. https://doi.org/10.1038/nrn2353

Blakemore, S.-J., den Ouden, H., Choudhury, S., & Frith, C. (2007). Adolescent development of the neural circuitry for thinking about intentions. *Social Cognitive and Affective Neuroscience*, *2*(2), 130–139. https://doi.org/10.1093/scan/nsm009

Blakemore, S.-J., & Mills, K. L. (2014). Is Adolescence a Sensitive Period for Sociocultural Processing? *Annual Review of Psychology*, *65*(1), 187–207. https://doi.org/10.1146/annurev-psych-010213-115202

Blankenstein, N. E., Telzer, E. H., Do, K. T., van Duijvenvoorde, A. C. K., & Crone, E. A. (2020). Behavioral and Neural Pathways Supporting the Development of Prosocial and Risk-Taking Behavior Across Adolescence. *Child Development*, *91*(3), e665–e681. https://doi.org/10.1111/cdev.13292

Blasi, G., Goldberg, T. E., Weickert, T., Das, S., Kohn, P., Zoltick, B., Bertolino, A., Callicott, J. H., Weinberger, D. R., & Mattay, V. S. (2006). Brain regions underlying response inhibition and interference monitoring and suppression. *European Journal of Neuroscience*, *23*(6), 1658–1664. https://doi.org/10.1111/j.1460-9568.2006.04680.x

Boccadoro, S., Wagels, L., Puiu, A. A., Votinov, M., Weidler, C., Veselinovic, T., Demko, Z., Raine, A., & Neuner, I. (2021). A meta-analysis on shared and distinct neural correlates of the decision-making underlying altruistic and retaliatory punishment. *Human Brain Mapping*, *42*(17), 5547–5562. https://doi.org/10.1002/hbm.25635

Boeldt, D. L., Rhee, S. H., DiLalla, L. F., Mullineaux, P. Y., Schulz-Heik, R. J., Corley, R. P., Young, S. E., & Hewitt, J. K. (2012). The Association Between Positive Parenting and Externalizing Behaviour. *Infant and Child Development*, *21*(1), 85–106. https://doi.org/10.1002/icd.764

Bongers, I. L., Koot, H. M., Van Der Ende, J., & Verhulst, F. C. (2004). Developmental Trajectories of Externalizing Behaviors in Childhood and Adolescence. *Child Development*, *75*(5), 1523–1537. https://doi.org/10.1111/j.1467-8624.2004.00755.x

Boonen, H., Maljaars, J., Lambrechts, G., Zink, I., Van Leeuwen, K., & Noens, I. (2014). Behavior problems among school-aged children with autism spectrum disorder: Associations with children's communication difficulties and parenting behaviors. *Research in Autism Spectrum Disorders*, *8*(6), 716–725. https://doi.org/10.1016/j.rasd.2014.03.008

Booth, J. R., Burman, D. D., Meyer, J. R., Lei, Z., Trommer, B. L., Davenport, N. D., Li, W., Parrish, T. B., Gitelman, D. R., & Mesulam, M. M. (2003). Neural development of selective attention and response inhibition. *NeuroImage*, *20*(2), 737–751. https://doi.org/10.1016/S1053-8119(03)00404-X

Bornstein, M. H., Hahn, C.-S., & Haynes, O. M. (2010). Social competence, externalizing, and internalizing behavioral adjustment from early childhood through early adolescence: Developmental cascades. *Development and Psychopathology*, *22*(4), 717–735. https://doi.org/10.1017/S0954579410000416

Boxer, P., Tisak, M. S., & Goldstein, S. E. (2004). Is It Bad to Be Good? An Exploration of Aggressive and Prosocial Behavior Subtypes in Adolescence. *Journal of Youth and Adolescence*, *33*(2), 91–100. https://doi.org/10.1023/B:JOYO.0000013421.02015.ef

Brass, M., & Haggard, P. (2007). To Do or Not to Do: The Neural Signature of Self-Control. *The Journal of Neuroscience*, *27*(34), 9141. https://doi.org/10.1523/JNEUROSCI.0924-07.2007

Braver, T. S., Cohen, J. D., Nystrom, L. E., Jonides, J., Smith, E. E., & Noll, D. C. (1997). A Parametric Study of Prefrontal Cortex Involvement in Human Working Memory. *NeuroImage*, *5*(1), 49–62. https://doi.org/10.1006/nimg.1996.0247

Brett, M., Anton, J.-L., Valabregue, R., & Poline, J.-B. (2002). Region of interest analysis using an SPM toolbox. *8th International Conference on Functional Mapping of the Human Brain*, *16*(2), 497.

Broidy, L. M., Nagin, D. S., Tremblay, R. E., Bates, J. E., Brame, B., Dodge, K. A., Fergusson, D., Horwood, J. L., Loeber, R., & Laird, R. (2003). Developmental trajectories of childhood disruptive behaviors and adolescent delinquency: a six-site, cross-national study. *Developmental Psychology*, *39*(2), 222. https://doi.org/10.1037/0012-1649.39.2.222

Brown, B. B., & Larson, J. (2009). Peer relationships in adolescence. In R. M. Lerner & L. Steinberg (Eds.), *Handbook of adolescent psychology: Contextual influences on adolescent development* (pp. 74–103). John Wiley & Sons, Inc. https://doi.org/10.1002/9780470479193.adlpsy002004

Buades-Rotger, M., Brunnlieb, C., Münte, T. F., Heldmann, M., & Krämer, U. M. (2016). Winning is not enough: ventral striatum connectivity during physical aggression. *Brain Imaging and Behavior*, *10*(1), 105–114. https://doi.org/10.1007/s11682-015-9370-z

Buckholtz, J. W. (2015). Social norms, self-control, and the value of antisocial behavior. *Current Opinion in Behavioral Sciences*, *3*, 122–129. https://doi.org/10.1016/j.cobeha.2015.03.004

Bukowski, W. M., Dirks, M., Persram, R. J., Wright, L., & Infantino, E. (2020). Peer relations and socioeconomic status and inequality. *New Directions for Child and Adolescent Development*, *2020*(173), 27–37. https://doi.org/10.1002/cad.20381

Bunge, S. A., & Zelazo, P. D. (2006). A Brain-Based Account of the Development of Rule Use in Childhood. *Current Directions in Psychological Science*, *15*(3), 118–121. https://doi.org/10.1111/j.0963-7214.2006.00419.x

Burt, K. B., Obradović, J., Long, J. D., & Masten, A. S. (2008). The Interplay of Social Competence and Psychopathology Over 20 Years: Testing Transactional and Cascade Models. *Child Development*, *79*(2), 359–374. https://doi.org/10.1111/j.1467-8624.2007.01130.x

Button, K. S., Ioannidis, J. P. A., Mokrysz, C., Nosek, B. A., Flint, J., Robinson, E. S. J., & Munafò, M. R. (2013). Power failure: why small sample size undermines the reliability of neuroscience. *Nature Reviews Neuroscience*, *14*(5), 365–376. https://doi.org/10.1038/nrn3475

C

Cai, W., Duberg, K., Padmanabhan, A., Rehert, R., Bradley, T., Carrion, V., & Menon, V. (2019). Hyperdirect insula-basal-ganglia pathway and adult-like maturity of global brain responses predict inhibitory control in children. *Nature Communications*, *10*(1), 4798. https://doi.org/10.1038/s41467-019-12756-8

Cai, Y., Li, S., Liu, J., Li, D., Feng, Z., Wang, Q., Chen, C., & Xue, G. (2016). The Role of the Frontal and Parietal Cortex in Proactive and Reactive Inhibitory Control: A Transcranial Direct Current Stimulation Study. *Journal of Cognitive Neuroscience*, *28*(1), 177–186. https://doi.org/10.1162/jocn_a_00888

Calleja, R. L., & Rapee, R. M. (2020). Social threat sensitivity and its relationships with peer victimisation and internalising symptoms among adolescent girls. *Behaviour Research and Therapy*, *133*, 103710. https://doi.org/10.1016/j.brat.2020.103710

Campbell, S. B., Spieker, S., Burchinal, M., Poe, M. D., & Network, T. N. E. C. C. R. (2006). Trajectories of aggression from toddlerhood to age 9 predict academic and social functioning through age 12. *Journal of Child Psychology and Psychiatry*, *47*(8), 791–800. https://doi.org/10.1111/j.1469-7610.2006.01636.x

Card, N. A., & Little, T. D. (2006). Proactive and reactive aggression in childhood and adolescence: A meta-analysis of differential relations with psychosocial adjustment. *International Journal of Behavioral Development*, *30*(5), 466–480. https://doi.org/10.1177/0165025406071904

Casey, B. J., Getz, S., & Galvan, A. (2008). The adolescent brain. *Developmental Review*, *28*(1), 62–77. https://doi.org/10.1016/j.dr.2007.08.003

Cents, R. A. M., Kok, R., Tiemeier, H., Lucassen, N., Székely, E., Bakermans-Kranenburg, M. J., Hofman, A., Jaddoe, V. W. V, van IJzendoorn, M. H., Verhulst, F. C., & Lambregtse -van den Berg, M. P. (2014). Variations in maternal 5-HTTLPR affect observed sensitive parenting. *Journal of Child Psychology and Psychiatry*, *55*(9), 1025–1032. https://doi.org/10.1111/jcpp.12205

Chajes, J. R., Grossmann, T., & Vaish, A. (2022). Fairness takes time: Development of cooperative decision making in fairness context. *Journal of Experimental Child Psychology*, *216*, 105344. https://doi.org/10.1016/j.jecp.2021.105344

Chávez, D. V, Salmivalli, C., Garandeau, C. F., Berger, C., & Kanacri, B. P. L. (2022). Bidirectional Associations of Prosocial Behavior with Peer Acceptance and Rejection in Adolescence. *Journal of Youth and Adolescence*, *51*(12), 2355–2367. https://doi.org/10.1007/s10964-022-01675-5

Chen, B., Wu, X., Geniole, S. N., Ge, Q., Chen, Q., & Zhao, Y. (2021). Neural activity during provocation and aggressive responses in people from different social classes. *Current Psychology*, 1–15. https://doi.org/10.1007/s12144-021-01925-y

Chen, L., Zhang, W.-X., Ji, L.-Q., Chen, G.-H., Wei, X., & Chang, S.-M. (2011). Developmental trajectories and gender differences of aggression during middle and late childhood. *Acta Psychologica Sinica*, *43*(6), 629–638.

Chen, X., Fu, R., Liu, J., Wang, L., Zarbatany, L., & Ellis, W. (2018). Social sensitivity and social, school, and psychological adjustment among children across contexts. *Developmental Psychology*, *54*(6), 1124. https://doi.org/10.1037/dev0000496

Chester, D. S. (2017). The Role of Positive Affect in Aggression. *Current Directions in Psychological Science*, *26*(4), 366–370. https://doi.org/10.1177/0963721417700457

Chester, D. S., & DeWall, C. N. (2016). The pleasure of revenge: retaliatory aggression arises from a neural imbalance toward reward. *Social Cognitive and Affective Neuroscience*, *11*(7), 1173–1182. https://doi.org/10.1093/scan/nsv082

Chester, D. S., Eisenberger, N. I., Pond, R. S., Richman, S. B., Bushman, B. J., & Dewall, C. N. (2014). The interactive effect of social pain and executive functioning on aggression: An fMRI experiment. *Social Cognitive and Affective Neuroscience*, *9*(5), 699–704. https://doi.org/10.1093/scan/nst038

Chester, D. S., Lynam, D. R., Milich, R., & DeWall, C. N. (2018). Neural mechanisms of the rejection-aggression link. *Social Cognitive and Affective Neuroscience*, *13*(5), 501–512. https://doi.org/10.1093/scan/nsy025

Cicchetti, D. V. (1994). Guidelines, criteria, and rules of thumb for evaluating normed and standardized assessment instruments in psychology. *Psychological Assessment*, *6*(4), 284. https://doi.org/10.1037/1040-3590.6.4.284

Cillessen, A. H. N., & Lansu, T. A. M. (2015). Stability, Correlates, and Time-Covarying Associations of Peer Victimization From Grade 4 to 12. *Journal of Clinical Child & Adolescent Psychology*, *44*(3), 456–470. https://doi.org/10.1080/15374416.2014.958841

Cillessen, A. H. N., & Rose, A. J. (2005). Understanding Popularity in the Peer System. *Current Directions in Psychological Science*, *14*(2), 102–105. https://doi.org/10.1111/j.0963-7214.2005.00343.x

Cocosco, C. A., Kollokian, V., Kwan, R. K.-S., Pike, G. B., & Evans, A. C. (1997). Brainweb: Online interface to a 3D MRI simulated brain database. *NeuroImage*.

Colman, R. A., Hardy, S. A., Albert, M., Raffaelli, M., & Crockett, L. (2006). Early predictors of self-regulation in middle childhood. *Infant and Child Development*, *15*(4), 421–437. https://doi.org/10.1002/icd.469

Crick, N. R., & Dodge, K. A. (1994). A review and reformulation of social information-processing mechanisms in children's social adjustment. *Psychological Bulletin*, *115*(1), 74.

Crick, N. R., & Dodge, K. A. (1996). Social Information-Processing Mechanisms in Reactive and Proactive Aggression. *Child Development*, *67*(3), 993–1002. https://doi.org/10.1111/j.1467-8624.1996.tb01778.x

Crocetti, E., Moscatelli, S., van der Graaff, J., Rubini, M., Meeus, W., & Branje, S. (2016). The Interplay of Self–Certainty and Prosocial Development in the Transition from Late Adolescence to Emerging Adulthood. *European Journal of Personality*, *30*(6), 594–607. https://doi.org/10.1002/per.2084

Crone, E. A. (2013). Considerations of Fairness in the Adolescent Brain. *Child Development Perspectives*, *7*(2), 97–103. https://doi.org/10.1111/cdep.12022

Crone, E. A., Achterberg, M., Dobbelaar, S., Euser, S., van den Bulk, B., der Meulen, M. van, van Drunen, L., Wierenga, L. M., Bakermans-Kranenburg, M. J., & van IJzendoorn, M. H. (2020). Neural and behavioral signatures of social evaluation and adaptation in childhood and adolescence: The Leiden consortium on individual development (L-CID). *Developmental Cognitive Neuroscience*, *45*(June), 100805. https://doi.org/10.1016/j.dcn.2020.100805

Crone, E. A., & Dahl, R. E. (2012). Understanding adolescence as a period of social–affective engagement and goal flexibility. *Nature Reviews Neuroscience*, *13*(9), 636–650. https://doi.org/10.1038/nrn3313

Crone, E. A., & Fuligni, A. J. (2020). Self and Others in Adolescence. *Annual Review of Psychology*, *71*(1), 447–469. https://doi.org/10.1146/annurev-psych-010419-050937

Crone, E. A., & Steinbeis, N. (2017). Neural Perspectives on Cognitive Control Development during Childhood and Adolescence. *Trends in Cognitive Sciences*, *21*(3), 205–215. https://doi.org/10.1016/j.tics.2017.01.003

Cui, L., Colasante, T., Malti, T., Ribeaud, D., & Eisner, M. P. (2016). Dual Trajectories of Reactive and Proactive Aggression from Mid-childhood to Early Adolescence: Relations to Sensation Seeking, Risk Taking, and Moral Reasoning. *Journal of Abnormal Child Psychology*, *44*(4), 663–675. https://doi.org/10.1007/s10802-015-0079-7

Cummins, R. A., & Nistico, H. (2002). Maintaining life satisfaction: The role of positive cognitive bias. *Journal of Happiness Studies*, *3*(1), 37. https://doi.org/10.1023/A:1015678915305

D

Dalgleish, T., Walsh, N. D., Mobbs, D., Schweizer, S., van Harmelen, A.-L., Dunn, B., Dunn, V., Goodyer, I., & Stretton, J. (2017a). Social pain and social gain in the adolescent brain: A common neural circuitry underlying both positive and negative social evaluation. *Scientific Reports*, *7*(1), 42010. https://doi.org/10.1038/srep42010

Dambacher, F., Sack, A. T., Lobbestael, J., Arntz, A., Brugman, S., & Schuhmann, T. (2015). Out of control: Evidence for anterior insula involvement in motor impulsivity and reactive aggression. *Social Cognitive and Affective Neuroscience*, *10*(4), 508–516. https://doi.org/10.1093/scan/nsu077

Daniel, R., & Pollmann, S. (2014). A universal role of the ventral striatum in reward-based learning: Evidence from human studies. *Neurobiology of Learning and Memory*, *114*, 90–100. https://doi.org/10.1016/j.nlm.2014.05.002

Davis, M. M., Modi, H. H., Skymba, H. V, Finnegan, M. K., Haigler, K., Telzer, E. H., & Rudolph, K. D. (2022). Thumbs up or thumbs down: neural processing of social feedback and links to social motivation in adolescent girls. *Social Cognitive and Affective Neuroscience*, nsac055. https://doi.org/10.1093/scan/nsac055

Day, R. D., & Padilla-Walker, L. M. (2009). Mother and father connectedness and involvement during early adolescence. *Journal of Family Psychology*, *23*(6), 900. https://doi.org/10.1037/a0016438

de Bruyn, E. H., & Cillessen, A. H. N. (2006). Popularity in Early Adolescence: Prosocial and Antisocial Subtypes. *Journal of Adolescent Research*, *21*(6), 607–627. https://doi.org/10.1177/0743558406293966

DeFries, J. C., Plomin, R., & Fulker, D. W. (Eds.). (1994). Nature and nurture during middle childhood. In *Nature and nurture during middle childhood.* (pp. xix, 368–xix, 368). Blackwell Publishing.

Del Giudice, M., Angeleri, R., & Manera, V. (2009). The juvenile transition: A developmental switch point in human life history. *Developmental Review*, *29*(1), 1–31. https://doi.org/10.1016/j.dr.2008.09.001

Diener, E. (2009). Subjective Well-Being. In E. Diener (Ed.), *The Science of Well-Being: The Collected Works of Ed Diener* (pp. 11–58). Springer Netherlands. https://doi.org/10.1007/978-90-481-2350-6_2

Diener, E., & Ryan, K. (2009). Subjective well-being: A general overview. *South African Journal of Psychology*, *39*(4), 391–406. https://doi.org/10.1177/008124630903900402

Do, K. T., Guassi Moreira, J. F., & Telzer, E. H. (2017). But is helping you worth the risk? Defining Prosocial Risk Taking in adolescence. *Developmental Cognitive Neuroscience*, *25*, 260–271. https://doi.org/10.1016/j.dcn.2016.11.008

Dobbelaar, S., Achterberg, M., van Drunen, L., van Duijvenvoorde, A. c. k, van IJzendoorn, M. H., & Crone, E. A. (2022). Development of social feedback processing and responses in childhood: an fMRI test-replication design in two age cohorts. *Social Cognitive and Affective Neuroscience*, nsac039. https://doi.org/10.1093/scan/nsac039

Dobbelaar, S., Achterberg, M., van Duijvenvoorde, A. C. K., van IJzendoorn, M. H., & Crone, E. A. (2022). Differential susceptibility of associations between parental sensitivity and social behavioral control: a longitudinal fMRI design. In *Open Science Framework*. https://doi.org/10.17605/OSF.IO/SC4K8

Dobbelaar, S., van Duijvenvoorde, A. C. K., Achterberg, M., van der Meulen, M., & Crone, E. A. (2021). A Bi-Dimensional Taxonomy of Social Responsivity in Middle Childhood: Prosociality and Reactive Aggression Predict Externalizing Behavior Over Time. *Frontiers in Psychology*, *11*, 3986. https://doi.org/10.3389/fpsyg.2020.586633

Dodge, K. A., & Coie, J. D. (1987). Social-information-processing factors in reactive and proactive aggression in children's peer groups. *Journal of Personality and Social Psychology*, *53*(6), 1146.

Dodge, K. A., & Crick, N. R. (1990). Social information-processing bases of aggressive behavior in children. *Personality and Social Psychology Bulletin*, *16*(1), 8–22.

Dörfel, D., Lamke, J.-P., Hummel, F., Wagner, U., Erk, S., & Walter, H. (2014). Common and differential neural networks of emotion regulation by Detachment, Reinterpretation, Distraction, and Expressive Suppression: A comparative fMRI investigation. *NeuroImage*, *101*, 298–309. https://doi.org/10.1016/j.neuroimage.2014.06.051

Dugré, J. R., & Potvin, S. (2021). Neural bases of Frustration-Aggression Theory: A multi-domain meta-analysis of functional neuroimaging studies. *MedRxiv*, 2021.05.12.21257119. https://doi.org/10.1101/2021.05.12.21257119

Dumontheil, I., Apperly, I. A., & Blakemore, S.-J. (2010). Online usage of theory of mind continues to develop in late adolescence. *Developmental Science*, *13*(2), 331–338. https://doi.org/10.1111/j.1467-7687.2009.00888.x

Durston, S., Thomas, K. M., Yang, Y., Uluğ, A. M., Zimmerman, R. D., & Casey, B. J. (2002). A neural basis for the development of inhibitory control. *Developmental Science*, *5*(4), F9–F16. https://doi.org/10.1111/1467-7687.00235

E

Eagle, D. M., Baunez, C., Hutcheson, D. M., Lehmann, O., Shah, A. P., & Robbins, T. W. (2008). Stop-Signal Reaction-Time Task Performance: Role of Prefrontal Cortex and Subthalamic Nucleus. *Cerebral Cortex*, *18*(1), 178–188. https://doi.org/10.1093/cercor/bhm044

Egeland, B., Erickson, M. F., Clemenhagen-Moon, J., Hiester, M. K., & Korfmacher, J. (1990). 24 months tools coding manual: Project STEEP revised 1990 from mother–child project scales. *Unpublished Manuscript, University of Minnesota, Minneapolis*.

Eisenberg, N., & Mussen, P. H. (1989). *The roots of prosocial behavior in children*. Cambridge University Press. https://doi.org/10.1017/CBO9780511571121

Eisenberg, N., Zhou, Q., Spinrad, T. L., Valiente, C., Fabes, R. A., & Liew, J. (2005). Relations Among Positive Parenting, Children's Effortful Control, and Externalizing Problems: A Three-Wave Longitudinal Study. *Child Development*, *76*(5), 1055–1071. https://doi.org/10.1111/j.1467-8624.2005.00897.x

Eisenberger, N. I., Lieberman, M. D., & Williams, K. D. (2003). Does Rejection Hurt? An fMRI Study of Social Exclusion. *Science*, *302*(5643), 290 LP – 292. https://doi.org/10.1126/science.1089134

Eklund, A., Nichols, T. E., & Knutsson, H. (2016). Cluster failure: Why fMRI inferences for spatial extent have inflated false-positive rates. *Proceedings of the National Academy of Sciences*, *113*(28), 7900–7905. https://doi.org/10.1073/pnas.1602413113

El Mallah, S. (2020). Conceptualization and Measurement of Adolescent Prosocial Behavior: Looking Back and Moving Forward. *Journal of Research on Adolescence*, *30*(S1), 15–38. https://doi.org/10.1111/jora.12476

Elliott, M. L., Knodt, A. R., Ireland, D., Morris, M. L., Poulton, R., Ramrakha, S., Sison, M. L., Moffitt, T. E., Caspi, A., & Hariri, A. R. (2020). What Is the Test-Retest Reliability of Common Task-Functional MRI Measures? New Empirical Evidence and a Meta-Analysis. *Psychological Science*, *31*(7), 792–806. https://doi.org/10.1177/0956797620916786

Ellis, B. J., Abrams, L. S., Masten, A. S., Sternberg, R. J., Tottenham, N., & Frankenhuis, W. E. (2022). Hidden talents in harsh environments. *Development and Psychopathology*, *34*(1), 95–113. https://doi.org/10.1017/S0954579420000887

Ellis, B. J., Boyce, W. T., Belsky, J., Bakermans-Kranenburg, M. J., & van Ijzendoorn, M. H. (2011). Differential susceptibility to the environment: An evolutionary–neurodevelopmental theory. *Development and Psychopathology*, *23*(1), 7–28. https://doi.org/10.1017/S0954579410000611

Ellis, B. J., & Del Giudice, M. (2019). Developmental Adaptation to Stress: An Evolutionary Perspective. *Annual Review of Psychology*, *70*(1), 111–139. https://doi.org/10.1146/annurev-psych-122216-011732

Engelhardt, L. E., Harden, K. P., Tucker-Drob, E. M., & Church, J. A. (2019). The neural architecture of executive functions is established by middle childhood. *NeuroImage*, *185*, 479–489. https://doi.org/10.1016/j.neuroimage.2018.10.024

Enkavi, A. Z., Eisenberg, I. W., Bissett, P. G., Mazza, G. L., MacKinnon, D. P., Marsch, L. A., & Poldrack, R. A. (2019). Large-scale analysis of test–retest reliabilities of self-regulation measures. *Proceedings of the National Academy of Sciences*, *116*(12), 5472–5477. https://doi.org/10.1073/pnas.1818430116

Eshel, N., Daelmans, B., Mello, M. C. de, & Martines, J. (2006). Responsive parenting: interventions and outcomes. *Bulletin of the World Health Organization*, *84*, 991–998.

Etkin, A., Büchel, C., & Gross, J. J. (2015). The neural bases of emotion regulation. *Nature Reviews Neuroscience*, *16*(11), 693–700. https://doi.org/10.1038/nrn4044

Ettekal, I., & Mohammadi, M. (2020). Co-occurring Trajectories of Direct Aggression and Prosocial Behaviors in Childhood: Longitudinal Associations With Peer Acceptance. *Frontiers in Psychology*, *11*. https://doi.org/10.3389/fpsyg.2020.581192

Euser, S., Bakermans-Kranenburg, M. J., van den Bulk, B. G., Linting, M., Damsteegt, R. C., Vrijhof, C. I., van Wijk, I. C., Crone, E. A., & van IJzendoorn, M. H. (2016). Efficacy of the Video-feedback Intervention to promote Positive Parenting and Sensitive Discipline in Twin Families (VIPP-Twins): Study protocol for a randomized controlled trial. *BMC Psychology*, *4*(1), 33. https://doi.org/10.1186/s40359-016-0139-y

Euser, S., Bosdriesz, J. R., Vrijhof, C. I., van den Bulk, B. G., van Hees, D., de Vet, S. M., van IJzendoorn, M. H., & Bakermans-Kranenburg, M. J. (2020). How Heritable are Parental Sensitivity and Limit-Setting? A Longitudinal Child-Based Twin Study on Observed Parenting. *Child Development*, *91*(6), 2255–2269. https://doi.org/10.1111/cdev.13365

Euser, S., Vrijhof, C. I., Van den Bulk, B. G., Vermeulen, R., Bakermans-Kranenburg, M. J., & van IJzendoorn, M. H. (2021). Video-feedback promotes sensitive limit-setting in parents of twin preschoolers: a randomized controlled trial. *BMC Psychology*, *9*(1), 46. https://doi.org/10.1186/s40359-021-00548-z

Euston, D. R., Gruber, A. J., & McNaughton, B. L. (2012). The Role of Medial Prefrontal Cortex in Memory and Decision Making. *Neuron*, *76*(6), 1057–1070. https://doi.org/10.1016/j.neuron.2012.12.002

Evans, S. C., Díaz, K. I., Callahan, K. P., Wolock, E. R., & Fite, P. J. (2021). Parallel Trajectories of Proactive and Reactive Aggression in Middle Childhood and Their Outcomes in Early Adolescence. *Research on Child and Adolescent Psychopathology*, *49*(2), 211–226. https://doi.org/10.1007/s10802-020-00709-5

F

Fanning, J. R., Keedy, S., Berman, M. E., Lee, R., & Coccaro, E. F. (2017). Neural Correlates of Aggressive Behavior in Real Time: a Review of fMRI Studies of Laboratory Reactive Aggression. *Current Behavioral Neuroscience Reports*, *4*(2), 138–150. https://doi.org/10.1007/s40473-017-0115-8

Farley, J. P., & Kim-Spoon, J. (2014). The development of adolescent self-regulation: Reviewing the role of parent, peer, friend, and romantic relationships. *Journal of Adolescence*, *37*(4), 433–440. https://doi.org/10.1016/j.adolescence.2014.03.009

Farmer, T. W., McAuliffe Lines, M., & Hamm, J. V. (2011). Revealing the invisible hand: The role of teachers in children's peer experiences. *Journal of Applied Developmental Psychology*, *32*(5), 247–256. https://doi.org/10.1016/j.appdev.2011.04.006

Farmer, T. W., & Xie, H. (2007). Aggression and school social dynamics: The good, the bad, and the ordinary. *Journal of School Psychology*, *45*(5), 461–478. https://doi.org/10.1016/j.jsp.2007.06.008

Fehlbaum, L. v, Borbás, R., Paul, K., Eickhoff, S. B., & Raschle, N. M. (2022). Early and late neural correlates of mentalizing: ALE meta-analyses in adults, children and adolescents. *Social Cognitive and Affective Neuroscience*, *17*(4), 351–366. https://doi.org/10.1093/scan/nsab105

Feng, C., Luo, Y.-J., & Krueger, F. (2015). Neural signatures of fairness-related normative decision making in the ultimatum game: A coordinate-based meta-analysis. *Human Brain Mapping*, *36*(2), 591–602. https://doi.org/10.1002/hbm.22649

Filevich, E., Kühn, S., & Haggard, P. (2012). Intentional inhibition in human action: The power of 'no.' *Neuroscience & Biobehavioral Reviews*, *36*(4), 1107–1118. https://doi.org/10.1016/j.neubiorev.2012.01.006

Finkel, E. J., & Hall, A. N. (2018). The I3 Model: a metatheoretical framework for understanding aggression. *Current Opinion in Psychology*, *19*, 125–130. https://doi.org/10.1016/j.copsyc.2017.03.013

Fite, P. J., Colder, C. R., Lochman, J. E., & Wells, K. C. (2008). Developmental Trajectories of Proactive and Reactive Aggression from Fifth to Ninth Grade. *Journal of Clinical Child & Adolescent Psychology*, *37*(2), 412–421. https://doi.org/10.1080/15374410801955920

Flynn, E., Ehrenreich, S. E., Beron, K. J., & Underwood, M. K. (2015). Prosocial Behavior: Long-term Trajectories and Psychosocial Outcomes. *Social Development*, *24*(3), 462–482. https://doi.org/10.1111/sode.12100

Frith, C. D., & Frith, U. (2006). The Neural Basis of Mentalizing. *Neuron*, *50*(4), 531–534. https://doi.org/10.1016/j.neuron.2006.05.001

Fuligni, A. J. (2018). The Need to Contribute During Adolescence. *Perspectives on Psychological Science*, *14*(3), 331–343. https://doi.org/10.1177/1745691618805437

G

Gardner, M., & Steinberg, L. (2005). Peer influence on risk taking, risk preference, and risky decision making in adolescence and adulthood: an experimental study. *Developmental Psychology*, *41*(4), 625. https://doi.org/10.1037/0012-1649.41.4.625

Gilam, G., Lin, T., Raz, G., Azrielant, S., Fruchter, E., Ariely, D., & Hendler, T. (2015). Neural substrates underlying the tendency to accept anger-infused ultimatum offers during dynamic social interactions. *NeuroImage*, *120*, 400–411. https://doi.org/10.1016/j.neuroimage.2015.07.003

Gilmore, J. H., Knickmeyer, R. C., & Gao, W. (2018). Imaging structural and functional brain development in early childhood. *Nature Reviews Neuroscience*, *19*(3), 123–137. https://doi.org/10.1038/nrn.2018.1

Golkar, A., Lonsdorf, T. B., Olsson, A., Lindstrom, K. M., Berrebi, J., Fransson, P., Schalling, M., Ingvar, M., & Öhman, A. (2012). Distinct Contributions of the Dorsolateral Prefrontal and Orbitofrontal Cortex during Emotion Regulation. *PLOS ONE*, *7*(11), e48107-. https://doi.org/10.1371/journal.pone.0048107

Goodman, A., Lamping, D. L., & Ploubidis, G. B. (2010). When to Use Broader Internalising and Externalising Subscales Instead of the Hypothesised Five Subscales on the Strengths and

Difficulties Questionnaire (SDQ): Data from British Parents, Teachers and Children. *Journal of Abnormal Child Psychology*, *38*(8), 1179–1191. https://doi.org/10.1007/s10802-010-9434-x

Goodman, R. (2001). Psychometric Properties of the Strengths and Difficulties Questionnaire. *Journal of the American Academy of Child & Adolescent Psychiatry*, *40*(11), 1337–1345. https://doi.org/10.1097/00004583-200111000-00015

Gorgolewski, K. J., Varoquaux, G., Rivera, G., Schwarz, Y., Ghosh, S. S., Maumet, C., Sochat, V. V, Nichols, T. E., Poldrack, R. A., Poline, J.-B., Yarkoni, T., & Margulies, D. S. (2015). NeuroVault.org: a web-based repository for collecting and sharing unthresholded statistical maps of the human brain. *Frontiers in Neuroinformatics*, *9*. https://doi.org/10.3389/fninf.2015.00008

Grant, A. M., & Sonnentag, S. (2010). Doing good buffers against feeling bad: Prosocial impact compensates for negative task and self-evaluations. *Organizational Behavior and Human Decision Processes*, *111*(1), 13–22. https://doi.org/10.1016/j.obhdp.2009.07.003

Green, K. H., Becht, A. I., van de Groep, S., van der Cruijsen, R., Sweijen, S. W., & Crone, E. A. (2023). Socioeconomic hardship, uncertainty about the future, and adolescent mental wellbeing over a year during the COVID-19 pandemic. *Social Development*, *n/a*(n/a). https://doi.org/10.1111/sode.12674

Green, K. H., van de Groep, S., van der Cruijsen, R., Polak, M. G., & Crone, E. A. (2023). The Multidimensional Wellbeing in Youth Scale (MWYS): Development and Psychometric Properties. *Personality and Individual Differences*, *204*, 112038. https://doi.org/10.1016/j.paid.2022.112038

Greitemeyer, T., & Sagioglou, C. (2018). Does low (vs. high) subjective socioeconomic status increase both prosociality and aggression? *Social Psychology*. https://doi.org/10.1027/1864-9335/a000331

Guazzelli Williamson, V., & Mills, K. L. (2023). Mentalizing strategies for navigating the social world in adolescence. *Infant and Child Development*, *32*(1), e2374. https://doi.org/10.1002/icd.2374

Gülseven, Z., Liu, Y., Ma, T.-L., Yu, M. V. B., Simpkins, S. D., Vandell, D. L., & Zarrett, N. (2021). The development of cooperation and self-control in middle childhood: Associations with earlier maternal and paternal parenting. *Developmental Psychology*, *57*(3), 397. https://doi.org/10.1037/dev0001151

Gunther Moor, B., Op de Macks, Z. A., Güroğlu, B., Rombouts, S. A. R. B., Van der Molen, M. W., & Crone, E. A. (2012). Neurodevelopmental changes of reading the mind in the eyes. *Social Cognitive and Affective Neuroscience*, *7*(1), 44–52. https://doi.org/10.1093/scan/nsr020

Gunther Moor, B., van Leijenhorst, L., Rombouts, S. A. R. B., Crone, E. A., & van der Molen, M. W. (2010). Do you like me? Neural correlates of social evaluation and developmental trajectories. *Social Neuroscience*, *5*(5), 461–482. https://doi.org/10.1080/17470910903526155

Güroğlu, B., van den Bos, W., & Crone, E. A. (2014). Sharing and giving across adolescence: an experimental study examining the development of prosocial behavior. *Frontiers in Psychology*, *5*. https://doi.org/10.3389/fpsyg.2014.00291

Güroğlu, B., & Veenstra, R. (2021). Neural underpinnings of peer experiences and interactions: A review of social neuroscience research. *Merrill-Palmer Quarterly*, *67*(4), 416–456. https://doi.org/10.1353/mpq.2021.0021

Guyer, A. E., Caouette, J. D., Lee, C. C., & Ruiz, S. K. (2014). Will they like me? Adolescents' emotional responses to peer evaluation. *International Journal of Behavioral Development*, *38*(2), 155–163. https://doi.org/10.1177/0165025413515627

Guyer, A. E., Choate, V. R., Pine, D. S., & Nelson, E. E. (2012). Neural circuitry underlying affective response to peer feedback in adolescence. *Social Cognitive and Affective Neuroscience*, *7*(1), 81–92. https://doi.org/10.1093/scan/nsr043

Guyer, A. E., Pérez-Edgar, K., & Crone, E. A. (2018). Opportunities for Neurodevelopmental Plasticity From Infancy Through Early Adulthood. *Child Development*, *89*(3), 687–697. https://doi.org/10.1111/cdev.13073

H

Han, S. W., Eaton, H. P., & Marois, R. (2019). Functional Fractionation of the Cingulo-opercular Network: Alerting Insula and Updating Cingulate. *Cerebral Cortex*, *29*(6), 2624–2638. https://doi.org/10.1093/cercor/bhy130

Harachi, T. W., Fleming, C. B., White, H. R., Ensminger, M. E., Abbott, R. D., Catalano, R. F., & Haggerty, K. P. (2006). Aggressive behavior among girls and boys during middle childhood: predictors and sequelae of trajectory group membership. *Aggressive Behavior*, *32*(4), 279–293. https://doi.org/10.1002/ab.20125

Harter, S. (1988). Self-perception profile for adolescents. *Gifted Child Quarterly*.

Hartl, A. C., Laursen, B., Cantin, S., & Vitaro, F. (2020). A Test of the Bistrategic Control Hypothesis of Adolescent Popularity. *Child Development*, *91*(3), e635–e648. https://doi.org/10.1111/cdev.13269

Haselager, G. J. T., Cillessen, A. H. N., Van Lieshout, C. F. M., Riksen-Walraven, J. M. A., & Hartup, W. W. (2002). Heterogeneity among peer-rejected boys across middle childhood: developmental pathways of social behavior. *Developmental Psychology*, *38*(3), 446. https://doi.org/10.1037/0012-1649.38.3.446

Hawley, P. H. (1999). The Ontogenesis of Social Dominance: A Strategy-Based Evolutionary Perspective. *Developmental Review*, *19*(1), 97–132. https://doi.org/10.1006/drev.1998.0470

Hawley, P. H. (2002). Social dominance and prosocial and coercive strategies of resource control in preschoolers. *International Journal of Behavioral Development*, *26*(2), 167–176. https://doi.org/10.1080/01650250042000726

Hawley, P. H. (2003). Prosocial and Coercive Configurations of Resource Control in Early Adolescence: A Case for the Well-Adapted Machiavellian. *Merrill-Palmer Quarterly*, *49*(3), 279–309. https://doi.org/10.1353/mpq.2003.0013

Hawley, P. H. (2014). The Duality of Human Nature: Coercion and Prosociality in Youths' Hierarchy Ascension and Social Success. *Current Directions in Psychological Science*, *23*(6), 433–438. https://doi.org/10.1177/0963721414548417

Hawley, P. H., Little, T. D., & Card, N. A. (2007). The allure of a mean friend: Relationship quality and processes of aggressive adolescents with prosocial skills. *International Journal of Behavioral Development*, *31*(2), 170–180. https://doi.org/10.1177/0165025407074630

Hayes, A. F. (2017). *Introduction to mediation, moderation, and conditional process analysis: A regression-based approach*. Guilford publications.

Hayes, A. F., & Cai, L. (2007). Using heteroskedasticity-consistent standard error estimators in OLS regression: An introduction and software implementation. *Behavior Research Methods*, *39*(4), 709–722. https://doi.org/10.3758/BF03192961

Heckendorf, E., Bakermans-Kranenburg, M. J., van Ijzendoorn, M. H., & Huffmeijer, R. (2019). Neural responses to children's faces: Test–retest reliability of structural and functional MRI. *Brain and Behavior*, *9*(3), e01192. https://doi.org/10.1002/brb3.1192

Herting, M. M., Gautam, P., Chen, Z., Mezher, A., & Vetter, N. C. (2018). Test-retest reliability of longitudinal task-based fMRI: Implications for developmental studies. *Developmental Cognitive Neuroscience*, *33*, 17–26. https://doi.org/10.1016/j.dcn.2017.07.001

House, B. R. (2018). How do social norms influence prosocial development? *Current Opinion in Psychology*, *20*, 87–91. https://doi.org/10.1016/j.copsyc.2017.08.011

Huizinga, M., Dolan, C. V, & van der Molen, M. W. (2006a). Age-related change in executive function: Developmental trends and a latent variable analysis. *Neuropsychologia*, *44*(11), 2017–2036. https://doi.org/10.1016/j.neuropsychologia.2006.01.010

J

Jacobson, L., Javitt, D. C., & Lavidor, M. (2011). Activation of Inhibition: Diminishing Impulsive Behavior by Direct Current Stimulation over the Inferior Frontal Gyrus. *Journal of Cognitive Neuroscience*, *23*(11), 3380–3387. https://doi.org/10.1162/jocn_a_00020

K

Kellij, S., Lodder, G. M. A., Giletta, M., Zimmer-Gembeck, M. J., Güroğlu, B., & Veenstra, R. (2023). Are there negative cycles of peer victimization and rejection sensitivity? Testing ri-CLPMs in two longitudinal samples of young adolescents. *Development and Psychopathology*, 1–13. https://doi.org/10.1017/S0954579423000123

Kerr, K. L., Ratliff, E. L., Cosgrove, K. T., Bodurka, J., Morris, A. S., & Kyle Simmons, W. (2019). Parental influences on neural mechanisms underlying emotion regulation. *Trends in Neuroscience and Education*, *16*, 100118. https://doi.org/10.1016/j.tine.2019.100118

Kessler, R. C., Avenevoli, S., & Ries Merikangas, K. (2001). Mood disorders in children and adolescents: an epidemiologic perspective. *Biological Psychiatry*, *49*(12), 1002–1014. https://doi.org/10.1016/S0006-3223(01)01129-5

Kiefer, M., Sim, E.-J., Heil, S., Brown, R., Herrnberger, B., Spitzer, M., & Grön, G. (2021). Neural signatures of bullying experience and social rejection in teenagers. *PLOS ONE*, *16*(8), e0255681-. https://doi.org/10.1371/journal.pone.0255681

Kim, C., Chung, C., & Kim, J. (2010). Multiple cognitive control mechanisms associated with the nature of conflict. *Neuroscience Letters*, *476*(3), 156–160. https://doi.org/10.1016/j.neulet.2010.04.019

Knehans, R., Schuhmann, T., Roef, D., Nelen, H., à Campo, J., & Lobbestael, J. (2022). Modulating Behavioural and self-reported aggression with non-invasive brain stimulation: A literature review. *Brain Sciences*, *12*(2), 200. https://doi.org/10.3390/brainsci12020200

Kokko, K., Tremblay, R. E., Lacourse, E., Nagin, D. S., & Vitaro, F. (2006). Trajectories of Prosocial Behavior and Physical Aggression in Middle Childhood: Links to Adolescent School Dropout and Physical Violence. *Journal of Research on Adolescence*, *16*(3), 403–428. https://doi.org/10.1111/j.1532-7795.2006.00500.x

Konijn, E. A., Nije Bijvank, M., & Bushman, B. J. (2007). I wish I were a warrior: the role of wishful identification in the effects of violent video games on aggression in adolescent boys. *Developmental Psychology*, *43*(4), 1038. https://doi.org/10.1037/0012-1649.43.4.1038

Krämer, U. M., Jansma, H., Tempelmann, C., & Münte, T. F. (2007). Tit-for-tat: The neural basis of reactive aggression. *NeuroImage*, *38*(1), 203–211. https://doi.org/10.1016/j.neuroimage.2007.07.029

Krueger, R. F., Hicks, B. M., & McGue, M. (2001). Altruism and antisocial behavior: Independent tendencies, unique personality correlates, distinct etiologies. *Psychological Science*, *12*(5), 397–402. https://doi.org/10.1111/1467-9280.00373

Kujawa, A., Kessel, E. M., Carroll, A., Arfer, K. B., & Klein, D. N. (2017). Social processing in early adolescence: Associations between neurophysiological, self-report, and behavioral measures. *Biological Psychology*, *128*, 55–62. https://doi.org/10.1016/j.biopsycho.2017.07.001

L

LaFontana, K. M., & Cillessen, A. H. N. (2002). Children's perceptions of popular and unpopular peers: a multimethod assessment. *Developmental Psychology*, *38*(5), 635. https://doi.org/10.1037/0012-1649.38.5.635

Lakens, D. (2017). Equivalence Tests: A Practical Primer for t Tests, Correlations, and Meta-Analyses. *Social Psychological and Personality Science*, *8*(4), 355–362. https://doi.org/10.1177/1948550617697177

Lakens, D., Scheel, A. M., & Isager, P. M. (2018). Equivalence Testing for Psychological Research: A Tutorial. *Advances in Methods and Practices in Psychological Science*, *1*(2), 259–269. https://doi.org/10.1177/2515245918770963

Lam, C. B., McHale, S. M., & Crouter, A. C. (2014). Time With Peers From Middle Childhood to Late Adolescence: Developmental Course and Adjustment Correlates. *Child Development*, *85*(4), 1677–1693. https://doi.org/10.1111/cdev.12235

Lansford, J. E., Malone, P. S., Dodge, K. A., Pettit, G. S., & Bates, J. E. (2010). Developmental cascades of peer rejection, social information processing biases, and aggression during middle childhood. *Development and Psychopathology*, *22*(3), 593–602. https://doi.org/10.1017/S0954579410000301

Large, I., Pellicano, E., Mojzisch, A., & Krug, K. (2019). Developmental trajectory of social influence integration into perceptual decisions in children. *Proceedings of the National Academy of Sciences*, *116*(7), 2713–2722. https://doi.org/10.1073/pnas.1808153116

Laursen, B., & Veenstra, R. (2021). Toward understanding the functions of peer influence: A summary and synthesis of recent empirical research. *Journal of Research on Adolescence*, *31*(4), 889–907. https://doi.org/10.1111/jora.12606

Layous, K., Nelson, S. K., Oberle, E., Schonert-Reichl, K. A., & Lyubomirsky, S. (2012). Kindness Counts: Prompting Prosocial Behavior in Preadolescents Boosts Peer Acceptance and Well-Being. *PLOS ONE*, *7*(12), e51380-. https://doi.org/10.1371/journal.pone.0051380

Lee, E. J., & Stone, S. I. (2012). Co-Occurring Internalizing and Externalizing Behavioral Problems: The Mediating Effect of Negative Self-Concept. *Journal of Youth and Adolescence*, *41*(6), 717–731. https://doi.org/10.1007/s10964-011-9700-4

Lee, K. H., Siegle, G. J., Dahl, R. E., Hooley, J. M., & Silk, J. S. (2015). Neural responses to maternal criticism in healthy youth. *Social Cognitive and Affective Neuroscience*, *10*(7), 902–912. https://doi.org/10.1093/scan/nsu133

Lemerise, E. A., & Arsenio, W. F. (2000). An Integrated Model of Emotion Processes and Cognition in Social Information Processing. *Child Development*, *71*(1), 107–118. https://doi.org/10.1111/1467-8624.00124

Leve, L. D., Kim, H. K., & Pears, K. C. (2005). Childhood Temperament and Family Environment as Predictors of Internalizing and Externalizing Trajectories From Ages 5 to 17. *Journal of Abnormal Child Psychology*, *33*(5), 505–520. https://doi.org/10.1007/s10802-005-6734-7

Li, M., Lindenmuth, M., Tarnai, K., Lee, J., King-Casas, B., Kim-Spoon, J., & Deater-Deckard, K. (2022). Development of cognitive control during adolescence: The integrative effects of family socioeconomic status and parenting behaviors. *Developmental Cognitive Neuroscience*, *57*, 101139. https://doi.org/10.1016/j.dcn.2022.101139

Lickley, R. A., & Sebastian, C. L. (2018). The neural basis of reactive aggression and its development in adolescence. *Psychology, Crime & Law*, *24*(3), 313–333. https://doi.org/10.1080/1068316X.2017.1420187

Lotze, M., Veit, R., Anders, S., & Birbaumer, N. (2007). Evidence for a different role of the ventral and dorsal medial prefrontal cortex for social reactive aggression: An interactive fMRI study. *NeuroImage*, *34*(1), 470–478. https://doi.org/10.1016/j.neuroimage.2006.09.028

Luna, B. (2009). Developmental Changes in Cognitive Control through Adolescence. In P. Bauer (Ed.), *Advances in Child Development and Behavior* (Vol. 37, pp. 233–278). JAI. https://doi.org/10.1016/S0065-2407(09)03706-9

Luna, B., Marek, S., Larsen, B., Tervo-Clemmens, B., & Chahal, R. (2015). An Integrative Model of the Maturation of Cognitive Control. *Annual Review of Neuroscience*, *38*(1), 151–170. https://doi.org/10.1146/annurev-neuro-071714-034054

Luna, B., Padmanabhan, A., & O'Hearn, K. (2010). What has fMRI told us about the Development of Cognitive Control through Adolescence? *Brain and Cognition*, *72*(1), 101–113. https://doi.org/10.1016/j.bandc.2009.08.005

M

Magson, N. R., van Zalk, N., Mörtberg, E., Chard, I., Tillfors, M., & Rapee, R. M. (2022). Latent stability and change in subgroups of social anxiety and depressive symptoms in adolescence: A latent profile and transitional analysis. *Journal of Anxiety Disorders*, *87*, 102537. https://doi.org/10.1016/j.janxdis.2022.102537

Malti, T., Averdijk, M., Zuffianò, A., Ribeaud, D., Betts, L. R., Rotenberg, K. J., & Eisner, M. P. (2015). Children's trust and the development of prosocial behavior. *International Journal of Behavioral Development*, *40*(3), 262–270. https://doi.org/10.1177/0165025415584628

Maslowsky, J., Jager, J., & Hemken, D. (2014). Estimating and interpreting latent variable interactions: A tutorial for applying the latent moderated structural equations method. *International Journal of Behavioral Development*, *39*(1), 87–96. https://doi.org/10.1177/0165025414552301

Masten, C. L., Morelli, S. A., & Eisenberger, N. I. (2011). An fMRI investigation of empathy for 'social pain' and subsequent prosocial behavior. *NeuroImage*, *55*(1), 381–388. https://doi.org/10.1016/j.neuroimage.2010.11.060

Mathieson, L. C., & Crick, N. R. (2010). Reactive and Proactive Subtypes of Relational and Physical Aggression in Middle Childhood: Links to Concurrent and Longitudinal Adjustment. *School Psychology Review*, *39*(4), 601–611. https://doi.org/10.1080/02796015.2010.12087745

McAuliffe, K., Blake, P. R., Steinbeis, N., & Warneken, F. (2017). The developmental foundations of human fairness. *Nature Human Behaviour*, *1*(2), 0042. https://doi.org/10.1038/s41562-016-0042

McAuliffe, M. D., Hubbard, J. A., Rubin, R. M., Morrow, M. T., & Dearing, K. F. (2006). Reactive and Proactive Aggression: Stability of Constructs and Relations to Correlates. *The Journal of Genetic Psychology*, *167*(4), 365–382. https://doi.org/10.3200/GNTP.167.4.365-382

McHale, S. M., Dariotis, J. K., & Kauh, T. J. (2003). Social development and social relationships in middle childhood. In *Handbook of psychology: Developmental psychology* (Vol. 6, pp. 241–265). John Wiley & Sons, Inc. https://doi.org/10.1002/0471264385.wei0610

Mehta, P. H., & Beer, J. (2010). Neural Mechanisms of the Testosterone–Aggression Relation: The Role of Orbitofrontal Cortex. *Journal of Cognitive Neuroscience*, *22*(10), 2357–2368. https://doi.org/10.1162/jocn.2009.21389

Memmott-Elison, M. K., Holmgren, H. G., Padilla-Walker, L. M., & Hawkins, A. J. (2020). Associations between prosocial behavior, externalizing behaviors, and internalizing symptoms during adolescence: A meta-analysis. *Journal of Adolescence*, *80*(1), 98–114. https://doi.org/10.1016/j.adolescence.2020.01.012

Menon, V., & Uddin, L. Q. (2010). Saliency, switching, attention and control: a network model of insula function. *Brain Structure and Function*, *214*(5), 655–667. https://doi.org/10.1007/s00429-010-0262-0

Meuwese, R., Crone, E. A., de Rooij, M., & Güroğlu, B. (2015). Development of Equity Preferences in Boys and Girls Across Adolescence. *Child Development*, *86*(1), 145–158. https://doi.org/10.1111/cdev.12290

Molleman, L., Ciranka, S., & van den Bos, W. (2022). Social influence in adolescence as a double-edged sword. *Proceedings of the Royal Society B: Biological Sciences*, *289*(1977), 20220045. https://doi.org/10.1098/rspb.2022.0045

Molnar-Szakacs, I., & Uddin, L. Q. (2022). Anterior insula as a gatekeeper of executive control. *Neuroscience & Biobehavioral Reviews*, *139*, 104736. https://doi.org/https://doi.org/10.1016/j.neubiorev.2022.104736

Morris, A. S., Criss, M. M., Silk, J. S., & Houltberg, B. J. (2017). The Impact of Parenting on Emotion Regulation During Childhood and Adolescence. *Child Development Perspectives*, *11*(4), 233–238. https://doi.org/10.1111/cdep.12238

Morris, A. S., Silk, J. S., Steinberg, L., Myers, S. S., & Robinson, L. R. (2007). The Role of the Family Context in the Development of Emotion Regulation. *Social Development*, *16*(2), 361–388. https://doi.org/10.1111/j.1467-9507.2007.00389.x

Muthén, L. K., & Muthén, B. (2017). *Mplus user's guide: Statistical analysis with latent variables, user's guide*. Muthén & Muthén.

N

Nantel-Vivier, A., Kokko, K., Caprara, G. V., Pastorelli, C., Gerbino, M. G., Paciello, M., Côté, S., Pihl, R. O., Vitaro, F., & Tremblay, R. E. (2009). Prosocial development from childhood to adolescence: a multi-informant perspective with Canadian and Italian longitudinal studies. *Journal of Child Psychology and Psychiatry*, *50*(5), 590–598. https://doi.org/10.1111/j.1469-7610.2008.02039.x

Nelson, E. E., & Guyer, A. E. (2011). The development of the ventral prefrontal cortex and social flexibility. *Developmental Cognitive Neuroscience*, *1*(3), 233–245. https://doi.org/10.1016/j.dcn.2011.01.002

Nelson, E. E., Leibenluft, E., McClure, E. B., & Pine, D. S. (2005). The social re-orientation of adolescence: a neuroscience perspective on the process and its relation to psychopathology. *Psychological Medicine*, *35*(2), 163–174. https://doi.org/10.1017/S0033291704003915

Neppl, T. K., Jeon, S., Diggs, O., & Donnellan, M. B. (2020). Positive parenting, effortful control, and developmental outcomes across early childhood. *Developmental Psychology*, *56*(3), 444. https://doi.org/10.1037/dev0000874

Newcomb, A. F., Bukowski, W. M., & Pattee, L. (1993). Children's peer relations: a meta-analytic review of popular, rejected, neglected, controversial, and average sociometric status. *Psychological Bulletin*, *113*(1), 99. https://doi.org/10.1037/0033-2909.113.1.99

Newton, E. K., Laible, D., Carlo, G., Steele, J. S., & McGinley, M. (2014). Do sensitive parents foster kind children, or vice versa? Bidirectional influences between children's prosocial behavior and parental sensitivity. *Developmental Psychology*, *50*(6), 1808. https://doi.org/10.1037/a0036495

Nichols, T., Brett, M., Andersson, J., Wager, T., & Poline, J.-B. (2005). Valid conjunction inference with the minimum statistic. *Neuroimage*, *25*(3), 653–660. https://doi.org/10.1016/j.neuroimage.2004.12.005

Nickerson, A. B., & Nagle, R. J. (2005). Parent and Peer Attachment in Late Childhood and Early Adolescence. *The Journal of Early Adolescence*, *25*(2), 223–249. https://doi.org/10.1177/0272431604274174

O

Obsuth, I., Eisner, M. P., Malti, T., & Ribeaud, D. (2015). The developmental relation between aggressive behaviour and prosocial behaviour: A 5-year longitudinal study. *BMC Psychology*, *3*(1), 16. https://doi.org/10.1186/s40359-015-0073-4

Ochsner, K. N., Silvers, J. A., & Buhle, J. T. (2012). Functional imaging studies of emotion regulation: a synthetic review and evolving model of the cognitive control of emotion. *Annals of the New York Academy of Sciences*, *1251*(1), E1–E24. https://doi.org/10.1111/j.1749-6632.2012.06751.x

O'Farrelly, C., Watt, H., Babalis, D., Bakermans-Kranenburg, M. J., Barker, B., Byford, S., Ganguli, P., Grimas, E., Iles, J., Mattock, H., McGinley, J., Phillips, C., Ryan, R., Scott, S., Smith, J., Stein, A., Stevens, E., van IJzendoorn, M. H., Warwick, J., & Ramchandani, P. G. (2021). A Brief Home-Based Parenting Intervention to Reduce Behavior Problems in Young Children: A Pragmatic Randomized Clinical Trial. *JAMA Pediatrics*, *175*(6), 567–576. https://doi.org/10.1001/jamapediatrics.2020.6834

Open Science Collaboration. (2015). Estimating the reproducibility of psychological science. *Science*, *349*(6251). https://doi.org/10.1126/science.aac4716

Ordaz, S. J., Foran, W., Velanova, K., & Luna, B. (2013a). Longitudinal Growth Curves of Brain Function Underlying Inhibitory Control through Adolescence. *The Journal of Neuroscience*, *33*(46), 18109. https://doi.org/10.1523/JNEUROSCI.1741-13.2013

P

Padilla-Walker, L. M., Carlo, G., & Memmott-Elison, M. K. (2018). Longitudinal Change in Adolescents' Prosocial Behavior Toward Strangers, Friends, and Family. *Journal of Research on Adolescence*, *28*(3), 698–710. https://doi.org/10.1111/jora.12362

Padilla-Walker, L. M., Memmott-Elison, M. K., & Coyne, S. M. (2018). Associations between Prosocial and Problem Behavior from Early to Late Adolescence. *Journal of Youth and Adolescence*, *47*(5), 961–975. https://doi.org/10.1007/s10964-017-0736-y

Perugini, M., Gallucci, M., & Costantini, G. (2014). Safeguard Power as a Protection Against Imprecise Power Estimates. *Perspectives on Psychological Science*, *9*(3), 319–332. https://doi.org/10.1177/1745691614528519

Pfeifer, J. H., Masten, C. L., Moore, W. E., Oswald, T. M., Mazziotta, J. C., Iacoboni, M., & Dapretto, M. (2011). Entering adolescence: resistance to peer influence, risky behavior, and neural changes in emotion reactivity. *Neuron*, *69*(5), 1029–1036. https://doi.org/10.1016/j.neuron.2011.02.019

Pinho, A. da S., Molleman, L., Braams, B. R., & van den Bos, W. (2021). Majority and popularity effects on norm formation in adolescence. *Scientific Reports*, *11*(1), 12884. https://doi.org/10.1038/s41598-021-92482-8

Piquero, A. R., Carriaga, M. L., Diamond, B., Kazemian, L., & Farrington, D. P. (2012). Stability in aggression revisited. *Aggression and Violent Behavior*, *17*(4), 365–372. https://doi.org/10.1016/j.avb.2012.04.001

Pohl, C. (2011). What is progress in transdisciplinary research? *Futures*, *43*(6), 618–626. https://doi.org/10.1016/j.futures.2011.03.001

Premkumar, P. (2012). Are you being rejected or excluded? Insights from neuroimaging studies using different rejection paradigms. *Clinical Psychopharmacology and Neuroscience*, *10*(3), 144–154. https://doi.org/10.9758/cpn.2012.10.3.144

Prencipe, A., Kesek, A., Cohen, J., Lamm, C., Lewis, M. D., & Zelazo, P. D. (2011). Development of hot and cool executive function during the transition to adolescence. *Journal of Experimental Child Psychology*, *108*(3), 621–637. https://doi.org/10.1016/j.jecp.2010.09.008

Pulkkinen, L. (1984). The inhibition and control of aggression. *Aggressive Behavior*. https://doi.org/10.1002/1098-2337(1984)10:3<221::AID-AB2480100306>3.0.CO;2-K

Pulkkinen, L. (1996). Proactive and reactive aggression in early adolescence as precursors to anti- and prosocial behavior in young adults. *Aggressive Behavior*, *22*(4), 241–257. https://doi.org/10.1002/(SICI)1098-2337(1996)22:4<241::AID-AB1>3.0.CO;2-O

Q

Quarmley, M., Feldman, J., Grossman, H., Clarkson, T., Moyer, A., & Jarcho, J. M. (2022). Testing effects of social rejection on aggressive and prosocial behavior: A meta-analysis. *Aggressive Behavior*, *48*(6), 529–545. https://doi.org/10.1002/ab.22026

R

R Core Team. (2013). *R: A language and environment for statistical computing*.

Rapee, R. M., Oar, E. L., Johnco, C. J., Forbes, M. K., Fardouly, J., Magson, N. R., & Richardson, C. E. (2019). Adolescent development and risk for the onset of social-emotional disorders: A review and conceptual model. *Behaviour Research and Therapy*, *123*, 103501. https://doi.org/10.1016/j.brat.2019.103501

Rappaport, B. I., & Barch, D. M. (2020). Brain responses to social feedback in internalizing disorders: A comprehensive review. *Neuroscience & Biobehavioral Reviews*, *118*, 784–808. https://doi.org/10.1016/j.neubiorev.2020.09.012

Reijntjes, A., Thomaes, S., Kamphuis, J. H., Bushman, B. J., de Castro, B. O., & Telch, M. J. (2011). Explaining the Paradoxical Rejection-Aggression Link: The Mediating Effects of Hostile Intent Attributions, Anger, and Decreases in State Self-Esteem on Peer Rejection-Induced Aggression in Youth. *Personality and Social Psychology Bulletin*, *37*(7), 955–963. https://doi.org/10.1177/0146167211410247

Repple, J., Pawliczek, C. M., Voss, B., Siegel, S., Schneider, F., Kohn, N., & Habel, U. (2017). From provocation to aggression: The neural network. *BMC Neuroscience*, *18*(1), 1–9. https://doi.org/10.1186/s12868-017-0390-z

Ridderinkhof, K. R., van den Wildenberg, W. P. M., & Brass, M. (2014). "Don't" versus "Won't": Principles, mechanisms, and intention in action inhibition. *Neuropsychologia*, *65*, 255–262. https://doi.org/10.1016/j.neuropsychologia.2014.09.005

Riem, M. M. E., Bakermans-Kranenburg, M. J., Huffmeijer, R., & van IJzendoorn, M. H. (2013). Does intranasal oxytocin promote prosocial behavior to an excluded fellow player? A randomized-controlled trial with Cyberball. *Psychoneuroendocrinology*, *38*(8), 1418–1425. https://doi.org/10.1016/j.psyneuen.2012.12.023

Riva, P., Romero Lauro, L. J., DeWall, C. N., Chester, D. S., & Bushman, B. J. (2015). Reducing aggressive responses to social exclusion using transcranial direct current stimulation. *Social Cognitive and Affective Neuroscience*, *10*(3), 352–356. https://doi.org/10.1093/scan/nsu053

Rodkin, P. C., Farmer, T. W., Pearl, R., & Van Acker, R. (2000). Heterogeneity of popular boys: antisocial and prosocial configurations. *Developmental Psychology*, *36*(1), 14. https://doi.org/10.1037/0012-1649.36.1.14

Rodman, A. M., Powers, K. E., & Somerville, L. H. (2017). Development of self-protective biases in response to social evaluative feedback. *Proceedings of the National Academy of Sciences*, *114*(50), 13158–13163. https://doi.org/10.1073/pnas.1712398114

Rose, A. J., & Swenson, L. P. (2009). Do perceived popular adolescents who aggress against others experience emotional adjustment problems themselves? *Developmental Psychology*, *45*(3), 868. https://doi.org/10.1037/a0015408

Rothbart, M. K., Ahadi, S. A., Hershey, K. L., & Fisher, P. (2001). Investigations of temperament at three to seven years: The Children's Behavior Questionnaire. *Child Development*, *72*(5), 1394–1408. https://doi.org/10.1111/1467-8624.00355

Rubin, K. H., & Rose-Krasnor, L. (1992). Interpersonal Problem Solving and Social Competence in Children. In V. B. Van Hasselt & M. Hersen (Eds.), *Handbook of Social Development: A Lifespan Perspective* (pp. 283–323). Springer US. https://doi.org/10.1007/978-1-4899-0694-6_12

Rudolph, K. D., Skymba, H. V, Modi, H. H., Davis, M. M., Yan Sze, W., Rosswurm, C. P., & Telzer, E. H. (2021). How does peer adversity "Get inside the Brain?" Adolescent girls' differential susceptibility to neural dysregulation of emotion following victimization. *Developmental Psychobiology*, *63*(3), 481–495. https://doi.org/10.1002/dev.22022

Runze, J., van IJzendoorn, M. H., Vrijhof, C. I., & Bakermans-Kranenburg, M. J. (2022). Replicating a randomized trial with video-feedback to promote positive parenting in parents of school-aged twins. *Journal of Family Psychology*, *36*(4), 490–501. https://doi.org/10.1037/fam0000961

S

Sandstrom, M. J., & Cillessen, A. H. N. (2006). Likeable versus popular: Distinct implications for adolescent adjustment. *International Journal of Behavioral Development*, *30*(4), 305–314. https://doi.org/10.1177/0165025406072789

Schel, M. A., Scheres, A., & Crone, E. A. (2014). New perspectives on self-control development: Highlighting the role of intentional inhibition. *Neuropsychologia*, *65*, 236–246. https://doi.org/10.1016/j.neuropsychologia.2014.08.022

Schmidt, S. (2016). Shall we really do it again? The powerful concept of replication is neglected in the social sciences. In *Methodological issues and strategies in clinical research, 4th ed.* American Psychological Association. https://doi.org/10.1037/14805-036

Schriber, R. A., & Guyer, A. E. (2016). Adolescent neurobiological susceptibility to social context. *Developmental Cognitive Neuroscience*, *19*, 1–18. https://doi.org/10.1016/j.dcn.2015.12.009

Sebastian, C. L., Tan, G. C. Y., Roiser, J. P., Viding, E., Dumontheil, I., & Blakemore, S.-J. (2011). Developmental influences on the neural bases of responses to social rejection: Implications of social neuroscience for education. *NeuroImage*, *57*(3), 686–694. https://doi.org/10.1016/j.neuroimage.2010.09.063

Sebastian, C. L., Viding, E., Williams, K. D., & Blakemore, S.-J. (2010). Social brain development and the affective consequences of ostracism in adolescence. *Brain and Cognition*, *72*(1), 134–145. https://doi.org/10.1016/j.bandc.2009.06.008

Sequeira, S. L., Silk, J. S., Edershile, E. A., Jones, N. P., Hanson, J. L., Forbes, E. E., & Ladouceur, C. D. (2021). From scanners to cell phones: neural and real-world responses to social evaluation in adolescent girls. *Social Cognitive and Affective Neuroscience*, *16*(7), 657–669. https://doi.org/10.1093/scan/nsab038

Sequeira, S. L., Silk, J. S., Hutchinson, E., Jones, N. P., & Ladouceur, C. D. (2021). Neural Responses to Social Reward Predict Depressive Symptoms in Adolescent Girls During the COVID-19 Pandemic. *Journal of Pediatric Psychology*, *46*(8), 915–926. https://doi.org/10.1093/jpepsy/jsab037

Shenhav, A., Cohen, J. D., & Botvinick, M. M. (2016). Dorsal anterior cingulate cortex and the value of control. *Nature Neuroscience*, *19*(10), 1286–1291. https://doi.org/10.1038/nn.4384

Sheridan, M. A., Peverill, M., Finn, A. S., & McLaughlin, K. A. (2017). Dimensions of childhood adversity have distinct associations with neural systems underlying executive functioning. *Development and Psychopathology*, *29*(5), 1777–1794. https://doi.org/10.1017/S0954579417001390

Siegel, J. S., Power, J. D., Dubis, J. W., Vogel, A. C., Church, J. A., Schlaggar, B. L., & Petersen, S. E. (2014). Statistical improvements in functional magnetic resonance imaging analyses produced by censoring high-motion data points. *Human Brain Mapping*, *35*(5), 1981–1996. https://doi.org/10.1002/hbm.22307

Silk, J. S., Siegle, G. J., Lee, K. H., Nelson, E. E., Stroud, L. R., & Dahl, R. E. (2014). Increased neural response to peer rejection associated with adolescent depression and pubertal development. *Social Cognitive and Affective Neuroscience*, *9*(11), 1798–1807. https://doi.org/10.1093/scan/nst175

Silver, R. B., Measelle, J. R., Armstrong, J. M., & Essex, M. J. (2005). Trajectories of classroom externalizing behavior: Contributions of child characteristics, family characteristics, and the teacher–child relationship during the school transition. *Journal of School Psychology*, *43*(1), 39–60. https://doi.org/10.1016/j.jsp.2004.11.003

Silvers, J. A., & Guassi Moreira, J. F. (2019). Capacity and tendency: A neuroscientific framework for the study of emotion regulation. *Neuroscience Letters*, *693*(January 2017), 35–39. https://doi.org/10.1016/j.neulet.2017.09.017

Simonds, J., Kieras, J. E., Rueda, M. R., & Rothbart, M. K. (2007). Effortful control, executive attention, and emotional regulation in 7–10-year-old children. *Cognitive Development*, *22*(4), 474–488. https://doi.org/10.1016/j.cogdev.2007.08.009

Slagt, M., Dubas, J. S., Deković, M., & van Aken, M. A. G. (2016). Differences in sensitivity to parenting depending on child temperament: A meta-analysis. *Psychological Bulletin*, *142*(10), 1068. https://doi.org/10.1037/bul0000061

Slagt, M., Dubas, J. S., van Aken, M. A. G., Ellis, B. J., & Deković, M. (2018). Sensory processing sensitivity as a marker of differential susceptibility to parenting. *Developmental Psychology*, *54*(3), 543. https://doi.org/10.1037/dev0000431

Smeijers, D., Benbouriche, M., & Garofalo, C. (2020). The association between emotion, social information processing, and aggressive behavior: A systematic review. *European Psychologist*. https://doi.org/10.1027/1016-9040/a000395

Smith, C. E., Blake, P. R., & Harris, P. L. (2013). I should but I won't: Why young children endorse norms of fair sharing but do not follow them. *PloS One*, *8*(3), e59510. https://doi.org/10.1371/journal.pone.0059510

Sobocko, K., & Zelenski, J. M. (2015). Trait sensory-processing sensitivity and subjective well-being: Distinctive associations for different aspects of sensitivity. *Personality and Individual Differences*, *83*, 44–49. https://doi.org/10.1016/j.paid.2015.03.045

Somerville, L. H. (2013). The Teenage Brain: Sensitivity to Social Evaluation. *Current Directions in Psychological Science*, *22*(2), 121–127. https://doi.org/10.1177/0963721413476512

Somerville, L. H., & Casey, B. J. (2010). Developmental neurobiology of cognitive control and motivational systems. *Current Opinion in Neurobiology*, *20*(2), 236–241. https://doi.org/10.1016/j.conb.2010.01.006

Somerville, L. H., Heatherton, T. F., & Kelley, W. M. (2006). Anterior cingulate cortex responds differentially to expectancy violation and social rejection. *Nature Neuroscience*, *9*(8), 1007–1008. https://doi.org/10.1038/nn1728

Sosic-Vasic, Z., Kröner, J., Schneider, S., Vasic, N., Spitzer, M., & Streb, J. (2017). The Association between Parenting Behavior and Executive Functioning in Children and Young Adolescents. *Frontiers in Psychology*, *8*. https://doi.org/10.3389/fpsyg.2017.00472

Steinberg, L. (2010). A dual systems model of adolescent risk-taking. *Developmental Psychobiology*, *52*(3), 216–224. https://doi.org/10.1002/dev.20445

Steiner, P. M., & Wong, V. C. (2018). Assessing Correspondence Between Experimental and Nonexperimental Estimates in Within-Study Comparisons. *Evaluation Review*, *42*(2), 214–247. https://doi.org/10.1177/0193841X18773807

Strauß, S., Bondü, R., & Roth, F. (2021). Justice Sensitivity in Middle Childhood: Measurement and Location in the Temperamental and Social Skills Space. *Journal of Personality Assessment*, *103*(4), 476–488. https://doi.org/10.1080/00223891.2020.1753754

Stright, A. D., Gallagher, K. C., & Kelley, K. (2008). Infant Temperament Moderates Relations Between Maternal Parenting in Early Childhood and Children's Adjustment in First Grade. *Child Development*, *79*(1), 186–200. https://doi.org/10.1111/j.1467-8624.2007.01119.x

Sunami, N., Nadzan, M. A., & Jaremka, L. M. (2019). The bi-dimensional rejection taxonomy: Organizing responses to interpersonal rejection along antisocial–prosocial and engaged–disengaged dimensions. *Social and Personality Psychology Compass*, *13*(9), e12497. https://doi.org/10.1111/spc3.12497

Swick, D., Ashley, V., & Turken, U. (2011). Are the neural correlates of stopping and not going identical? Quantitative meta-analysis of two response inhibition tasks. *NeuroImage*, *56*(3), 1655–1665. https://doi.org/10.1016/j.neuroimage.2011.02.070

T

Tabachnick, B. G., & Fidell, L. S. (2013). Using multivariate statistics, 6th Edn. Northridge. *CA: California State University*.

Tabachnick, B. G., Fidell, L. S., & Ullman, J. B. (2007). *Using multivariate statistics* (Vol. 5). Pearson Boston, MA.

Tamm, L., Menon, V., & Reiss, A. L. (2002). Maturation of Brain Function Associated With Response Inhibition. *Journal of the American Academy of Child & Adolescent Psychiatry*, *41*(10), 1231–1238. https://doi.org/10.1097/00004583-200210000-00013

Tamnes, C. K., Herting, M. M., Goddings, A.-L., Meuwese, R., Blakemore, S.-J., Dahl, R. E., Güroğlu, B., Raznahan, A., Sowell, E. R., Crone, E. A., & Mills, K. L. (2017). Development of the Cerebral Cortex across Adolescence: A Multisample Study of Inter-Related Longitudinal Changes in Cortical Volume, Surface Area, and Thickness. *The Journal of Neuroscience*, *37*(12), 3402. https://doi.org/10.1523/JNEUROSCI.3302-16.2017

Tan, P. Z., Oppenheimer, C. W., Ladouceur, C. D., Butterfield, R. D., & Silk, J. S. (2020). A review of associations between parental emotion socialization behaviors and the neural substrates of emotional reactivity and regulation in youth. *Developmental Psychology*, *56*(3), 516. https://doi.org/10.1037/dev0000893

te Brinke, L. W., van der Cruijsen, R., Green, K. H., & Crone, E. A. (2022). Positive and Negative Risk-Taking in Adolescence and Early Adulthood: A Citizen Science Study During the COVID-19 Pandemic. *Frontiers in Psychology*, *13*. https://doi.org/10.3389/fpsyg.2022.885692

Thomaes, S., Reijntjes, A., Orobio de Castro, B., Bushman, B. J., Poorthuis, A., & Telch, M. J. (2010). I Like Me If You Like Me: On the Interpersonal Modulation and Regulation of Preadolescents' State Self-Esteem. *Child Development*, *81*(3), 811–825. https://doi.org/10.1111/j.1467-8624.2010.01435.x

Thorpe, K., & Danby, S. (2006). Compromised or Competent: Analyzing Twin Children's Social Worlds. *Twin Research and Human Genetics*, *9*(1), 90–94. https://doi.org/10.1375/twin.9.1.90

Tooley, U. A., Bassett, D. S., & Mackey, A. P. (2021). Environmental influences on the pace of brain development. *Nature Reviews Neuroscience*, *22*(6), 372–384. https://doi.org/10.1038/s41583-021-00457-5

Tousignant, B., Eugène, F., Sirois, K., & Jackson, P. L. (2018). Difference in neural response to social exclusion observation and subsequent altruism between adolescents and adults. *Neuropsychologia*, *116*, 15–25. https://doi.org/10.1016/j.neuropsychologia.2017.04.017

Turner, B. O., Paul, E. J., Miller, M. B., & Barbey, A. K. (2018). Small sample sizes reduce the replicability of task-based fMRI studies. *Communications Biology*, *1*(1), 62. https://doi.org/10.1038/s42003-018-0073-z

Twenge, J. M., Baumeister, R. F., Tice, D. M., & Stucke, T. S. (2001). If you can't join them, beat them: effects of social exclusion on aggressive behavior. *Journal of Personality and Social Psychology*, *81*(6), 1058. https://doi.org/10.1037/0022-3514.81.6.1058

Tzourio-Mazoyer, N., Landeau, B., Papathanassiou, D., Crivello, F., Etard, O., Delcroix, N., Mazoyer, B., & Joliot, M. (2002). Automated Anatomical Labeling of Activations in SPM Using a Macroscopic Anatomical Parcellation of the MNI MRI Single-Subject Brain. *NeuroImage*, *15*(1), 273–289. https://doi.org/10.1006/nimg.2001.0978

U

Underwood, M. K., Beron, K. J., & Rosen, L. H. (2009). Continuity and change in social and physical aggression from middle childhood through early adolescence. *Aggressive Behavior*, *35*(5), 357–375. https://doi.org/10.1002/ab.20313

V

Vahedi, S. (2010). World Health Organization Quality-of-Life Scale (WHOQOL-BREF): analyses of their item response theory properties based on the graded responses model. *Iranian Journal of Psychiatry*, *5*(4), 140.

van de Groep, I. H., Bos, M. G. N., Jansen, L. M. C., Achterberg, M., Popma, A., & Crone, E. A. (2021). Overlapping and distinct neural correlates of self-evaluations and self-regulation from the perspective of self and others. *Neuropsychologia*, *161*, 108000. https://doi.org/10.1016/j.neuropsychologia.2021.108000

van de Groep, I. H., Bos, M. G. N., Jansen, L. M. C., Kocevska, D., Bexkens, A., Cohn, M., van Domburgh, L., Popma, A., & Crone, E. A. (2022). Resisting aggression in social contexts: The influence of life-course persistent antisocial behavior on behavioral and neural responses to social feedback. *NeuroImage: Clinical*, *34*, 102973. https://doi.org/10.1016/j.nicl.2022.102973

van den Bos, W., Crone, E. A., Meuwese, R., & Güroğlu, B. (2018). Social network cohesion in school classes promotes prosocial behavior. *PLOS ONE*, *13*(4), e0194656-. https://doi.org/10.1371/journal.pone.0194656

van den Bos, W., Westenberg, M., van Dijk, E., & Crone, E. A. (2010). Development of trust and reciprocity in adolescence. *Cognitive Development*, *25*(1), 90–102. https://doi.org/10.1016/j.cogdev.2009.07.004

van der Meulen, M., Dobbelaar, S., van Drunen, L., Heunis, S., Blankenstein, N. E., & Crone, E. A. (n.d.). Transitioning from childhood into adolescence: A comprehensive longitudinal behavioral and neuroimaging study on prosocial behavior and social inclusion. *In Review*.

van der Meulen, M., Steinbeis, N., Achterberg, M., Bilo, E., van den Bulk, B. G., van IJzendoorn, M. H., & Crone, E. A. (2017). The neural correlates of dealing with social exclusion in childhood. *Neuropsychologia*, *103*, 29–37. https://doi.org/10.1016/j.neuropsychologia.2017.07.008

van der Meulen, M., Steinbeis, N., Achterberg, M., van IJzendoorn, M. H., & Crone, E. A. (2018). Heritability of neural reactions to social exclusion and prosocial compensation in middle childhood. *Developmental Cognitive Neuroscience*, *34*, 42–52. https://doi.org/10.1016/j.dcn.2018.05.010

van der Meulen, M., van IJzendoorn, M. H., & Crone, E. A. (2016). Neural Correlates of Prosocial Behavior: Compensating Social Exclusion in a Four-Player Cyberball Game. *PLOS ONE*, *11*(7), e0159045-. https://doi.org/10.1371/journal.pone.0159045

van Hoorn, J., Fuligni, A. J., Crone, E. A., & Galván, A. (2016). Peer influence effects on risk-taking and prosocial decision-making in adolescence: insights from neuroimaging studies. *Current Opinion in Behavioral Sciences*, *10*, 59–64. https://doi.org/10.1016/j.cobeha.2016.05.007

van Hoorn, J., van Dijk, E., Meuwese, R., Rieffe, C., & Crone, E. A. (2016). Peer Influence on Prosocial Behavior in Adolescence. *Journal of Research on Adolescence*, *26*(1), 90–100. https://doi.org/10.1111/jora.12173

van IJzendoorn, M. H., & Bakermans-Kranenburg, M. J. (2021). Replication crisis lost in translation? On translational caution and premature applications of attachment theory. *Attachment & Human Development*, *23*(4), 422–437. https://doi.org/10.1080/14616734.2021.1918453

van Schie, C. C., Chiu, C.-D., Rombouts, S. A. R. B., Heiser, W. J., & Elzinga, B. M. (2018). When compliments do not hit but critiques do: an fMRI study into self-esteem and self-knowledge in processing social feedback. *Social Cognitive and Affective Neuroscience*, *13*(4), 404–417. https://doi.org/10.1093/scan/nsy014

Vandenbroucke, A. R. E., Crone, E. A., Erp, J. B. F. van, Güroğlu, B., Hulshoff Pol, H. E., de Kogel, C. H., Krabbendam, L., Jansen, L. M. C., & Brouwer, A.-M. (2021). Integrating Cognitive Developmental Neuroscience in Society: Lessons Learned From a Multidisciplinary Research Project on Education and Social Safety of Youth. *Frontiers in Integrative Neuroscience*, *15*. https://doi.org/10.3389/fnint.2021.756640

Veenstra, R., Lindenberg, S., Oldehinkel, A. J., De Winter, A. F., Verhulst, F. C., & Ormel, J. (2008). Prosocial and antisocial behavior in preadolescence: Teachers' and parents' perceptions of the behavior of girls and boys. *International Journal of Behavioral Development*, *32*(3), 243–251. https://doi.org/10.1177/0165025408089274

Vrijhof, C. I., van den Bulk, B. G., Overgaauw, S., Lelieveld, G.-J., Engels, R. C. M. E., & van IJzendoorn, M. H. (2016). The Prosocial Cyberball Game: Compensating for social exclusion and its associations with empathic concern and bullying in adolescents. *Journal of Adolescence*, *52*, 27–36. https://doi.org/10.1016/j.adolescence.2016.07.005

W

Weeland, J., Van den Akker, A., Slagt, M., & Putnam, S. (2017). Perception is key? Does perceptual sensitivity and parenting behavior predict children's reactivity to others' emotions? *Journal of Experimental Child Psychology*, *163*, 53–68. https://doi.org/10.1016/j.jecp.2017.06.012

Westhoff, B., Blankenstein, N. E., Schreuders, E., Crone, E. A., & van Duijvenvoorde, A. C. K. (2021). Increased Ventromedial Prefrontal Cortex Activity in Adolescence Benefits Prosocial Reinforcement Learning. *Developmental Cognitive Neuroscience*, *52*, 101018. https://doi.org/10.1016/j.dcn.2021.101018

Westhoff, B., Molleman, L., Viding, E., van den Bos, W., & van Duijvenvoorde, A. C. K. (2020). Developmental asymmetries in learning to adjust to cooperative and uncooperative environments. *Scientific Reports*, *10*(1), 21761. https://doi.org/10.1038/s41598-020-78546-1

White, B. A., Jarrett, M. A., & Ollendick, T. H. (2013). Self-Regulation Deficits Explain the Link between Reactive Aggression and Internalizing and Externalizing Behavior Problems in Children. *Journal of Psychopathology and Behavioral Assessment*, *35*(1), 1–9. https://doi.org/10.1007/s10862-012-9310-9

White, S. F., Brislin, S. J., Sinclair, S., & Blair, J. R. (2014). Punishing unfairness: Rewarding or the organization of a reactively aggressive response? *Human Brain Mapping*, *35*(5), 2137–2147. https://doi.org/10.1002/hbm.22316

Whitmore, L. B., & Mills, K. L. (2022). Co-creating developmental science. *Infant and Child Development*, *31*(1), e2273. https://doi.org/10.1002/icd.2273

Wichstraum, L. (1995). Harter's Self-Perception Profile for Adolescents: Reliability, Validity, and Evaluation of the Question Format. *Journal of Personality Assessment*, *65*(1), 100–116. https://doi.org/10.1207/s15327752jpa6501_8

Wikman, P., Moisala, M., Ylinen, A., Lindblom, J., Leikas, S., Salmela-Aro, K., Lonka, K., Güroğlu, B., & Alho, K. (2022). Brain Responses to Peer Feedback in Social Media Are Modulated by Valence in Late Adolescence. *Frontiers in Behavioral Neuroscience*, *16*. https://doi.org/10.3389/fnbeh.2022.790478

Will, G.-J., Crone, E. A., van den Bos, W., & Güroğlu, B. (2013). Acting on observed social exclusion: Developmental perspectives on punishment of excluders and compensation of victims. *Developmental Psychology*, *49*(12), 2236. https://doi.org/10.1037/a0032299

Williams, B. R., Ponesse, J. S., Schachar, R. J., Logan, G. D., & Tannock, R. (1999). Development of inhibitory control across the life span. *Developmental Psychology*, *35*(1), 205. https://doi.org/10.1037/0012-1649.35.1.205

Wong, T. Y., Sid, A., Wensing, T., Eickhoff, S. B., Habel, U., Gur, R. C., & Nickl-Jockschat, T. (2019). Neural networks of aggression: ALE meta-analyses on trait and elicited aggression. *Brain Structure and Function*, *224*(1), 133–148. https://doi.org/10.1007/s00429-018-1765-3

Wu, C.-H., Tsai, Y.-M., & Chen, L. H. (2009). How do Positive Views Maintain Life Satisfaction? *Social Indicators Research*, *91*(2), 269–281. https://doi.org/10.1007/s11205-008-9282-z

Y

Ybrandt, H. (2008). The relation between self-concept and social functioning in adolescence. *Journal of Adolescence*, *31*(1), 1–16. https://doi.org/10.1016/j.adolescence.2007.03.004

Yoon, L., Somerville, L. H., & Kim, H. (2018). Development of MPFC function mediates shifts in self-protective behavior provoked by social feedback. *Nature Communications*, *9*(1), 3086. https://doi.org/10.1038/s41467-018-05553-2

Youngstrom, E., Loeber, R., & Stouthamer-Loeber, M. (2000). Patterns and correlates of agreement between parent, teacher, and male adolescent ratings of externalizing and internalizing problems. *Journal of Consulting and Clinical Psychology*, *68*(6), 1038. https://doi.org/10.1037/0022-006X.68.6.1038

Z

Zadro, L., Williams, K. D., & Richardson, R. (2004). How low can you go? Ostracism by a computer is sufficient to lower self-reported levels of belonging, control, self-esteem, and meaningful existence. *Journal of Experimental Social Psychology*, *40*(4), 560–567. https://doi.org/10.1016/j.jesp.2003.11.006

Zaki, J., Hennigan, K., Weber, J., & Ochsner, K. N. (2010). Social Cognitive Conflict Resolution: Contributions of Domain-General and Domain-Specific Neural Systems. *The Journal of Neuroscience*, *30*(25), 8481. https://doi.org/10.1523/JNEUROSCI.0382-10.2010

Zelazo, P. D., & Carlson, S. M. (2012). Hot and Cool Executive Function in Childhood and Adolescence: Development and Plasticity. *Child Development Perspectives*, *6*(4), 354–360. https://doi.org/10.1111/j.1750-8606.2012.00246.x

Zhao, J., Mo, L., Bi, R., He, Z., Chen, Y., Xu, F., Xie, H., & Zhang, D. (2021). The VLPFC versus the DLPFC in downregulating social pain using reappraisal and distraction strategies. *Journal of Neuroscience*, *41*(6), 1331–1339. https://doi.org/10.1523/JNEUROSCI.1906-20.2020

Zondervan-Zwijnenburg, M., Dobbelaar, S., van der Meulen, M., & Achterberg, M. (2022). Longitudinal associations between prosocial behavior and behavioral problems across childhood: A robust random-intercept cross-lagged panel model. *Developmental Psychology*, *58*(6), 1139. https://doi.org/10.1037/dev0001346