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Facts of aggression

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APPENDICES

REFERENCES

Achenbach, T., & Rescorla, L. (2003). Manual for the ASEBA Adult Forms and Profiles. An integrated System of Multi-informant Assessment. *Burlington, Vt, ASEBA.*

Achenbach, T. M., Ivanova, M. Y., & Rescorla, L. A. (2017). Empirically based assessment and taxonomy of psychopathology for ages 1½–90+ years: Developmental, multi-informant, and multicultural findings. *Comprehensive Psychiatry, 79*, 4-18. doi:https://doi.org/10.1016/j.comppsych.2017.03.006

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. doi:10.1002/hbm.24043

Aebi, M., Barra, S., Bessler, C., Steinhausen, H.-C., Walitza, S., & Plattner, B. (2016). Oppositional defiant disorder dimensions and subtypes among detained male adolescent offenders. *Journal of Child Psychology and Psychiatry, 57*(6), 729-736. doi:10.1111/jcpp.12473

Aebi, M., van Donkelaar, M. M., Poelmans, G., Buitelaar, J. K., Sonuga-Barke, E. J., Stringaris, A., . . . van Hulzen, K. J. (2016). Gene-set and multivariate genome-wide association analysis of oppositional defiant behavior subtypes in attention-deficit/hyperactivity disorder. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 171*(5), 573-588.

Althoff, R. R., Kuny-Slock, A. V., Verhulst, F. C., Hudziak, J. J., & van der Ende, J. (2014). Classes of oppositional-defiant behavior: concurrent and predictive validity. *Journal of Child Psychology and Psychiatry, 55*(10), 1162-1171. doi:10.1111/jcpp.12233

American Psychiatric Association. (2013). *Diagnostic and statistical manual of mental disorders (DSM-5®)*: American Psychiatric Association Publishing.

Amur, S., LaVange, L., Zineh, I., Buckman-Garner, S., & Woodcock, J. (2015). Biomarker Qualification: Toward a Multiple Stakeholder Framework for Biomarker Development, Regulatory Acceptance, and Utilization. *Clinical Pharmacology & Therapeutics, 98*(1), 34-46. doi:https://doi.org/10.1002/cpt.136

An, M., & Gao, Y. (2015). Urinary Biomarkers of Brain Diseases. *Genomics, Proteomics & Bioinformatics, 13*(6), 345-354. doi:https://doi.org/10.1016/j.gpb.2015.08.005

Anckarsäter, H., Lundström, S., Kollberg, L., Kerekes, N., Palm, C., Carlström, E., . . . Bölte, S. (2011). The child and adolescent twin study in Sweden (CATSS). *Twin Research and Human Genetics, 14*(6), 495-508.

Anderson, C. A., & Bushman, B. J. (2002). Human Aggression. *Annual Review of Psychology, 53*(1), 27-51. doi:https://doi.org/10.1146/annurev.psych.53.100901.135231

Angold, A., Costello, E. J., Messer, S. C., & Pickles, A. (1995). Development of a short questionnaire for use in epidemiological studies of depression in children and adolescents. *International Journal of Methods in Psychiatric Research, 5*(4), 237-249.

Anholt, R. R. H., & Mackay, T. F. C. (2012). Genetics of Aggression. *Annual Review of Genetics, 46*(1), 145-164. doi:https://doi.org/10.1146/annurev-genet-110711-155514

Anney, R. J. L., Lasky-Su, J., Ó'Dúshláine, C., Kenny, E., Neale, B. M., Mulligan, A., . . . Gill, M. (2008). Conduct disorder and ADHD: Evaluation of conduct problems as a categorical and quantitative trait in the international multicentre ADHD genetics study. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 147B*(8), 1369-1378. doi:https://doi.org/10.1002/ajmg.b.30871

Asparouhov, T., & Muthén, B. (2015). Residual associations in latent class and latent transition analysis. *Structural Equation Modeling: A Multidisciplinary Journal, 22*(2), 169-177.

Baker, K. (2016). Conduct disorders in children and adolescents. *Paediatrics and Child Health, 26*(12), 534-539. doi:http://dx.doi.org/10.1016/j.paed.2016.08.009

Barker, B., Iles, J. E., & Ramchandani, P. G. (2017). Fathers, fathering and child psychopathology. *Current Opinion in Psychology, 15*, 87-92. doi:http://dx.doi.org/10.1016/j.copsyc.2017.02.015

Barker, E. D., Boivin, M., Brendgen, M., & et al. (2008). Predictive validity and early predictors of peer-victimization trajectories in preschool. *Archives of General Psychiatry, 65*(10), 1185-1192. doi:10.1001/archpsyc.65.10.1185

Barker, E. D., Séguin, J. R., White, H., & et al. (2007). Developmental trajectories of male physical violence and theft: Relations to neurocognitive performance. *Archives of General Psychiatry, 64*(5), 592-599. doi:10.1001/archpsyc.64.5.592

Bartels, M., Hendriks, A., Mauri, M., Krapohl, E., Whipp, A., Bolhuis, K., . . . Boomsma, D. I. (2018). Childhood aggression and the co-occurrence of behavioural and emotional problems: results across ages 3–16 years from multiple raters in six cohorts in the EU-ACTION project. *European Child & Adolescent Psychiatry, 27*(9), 1105-1121. doi:10.1007/s00787-018-1169-1

Bartels, M., Hendriks, A., Mauri, M., Krapohl, E., Whipp, A., Bolhuis, K., . . . Hagenbeek, F. (2018). Childhood aggression and the co-occurrence of behavioural and emotional problems: results across ages 3–16 years from multiple raters in six cohorts in the EU-ACTION project. *European Child & Adolescent Psychiatry, 27*(9), 1105-1121.

Baud, P. (2005). Personality traits as intermediary phenotypes in suicidal behavior: Genetic issues. *American Journal of Medical Genetics Part C: Seminars in Medical Genetics, 133C*(1), 34-42. doi:https://doi.org/10.1002/ajmg.c.30044

Beaudry, G., Yu, R., Långström, N., & Seena Fazel, F. (2020). Mental disorders among adolescents in juvenile detention and correctional facilities: An updated systematic review and meta-regression analysis. *Journal of the American Academy of Child & Adolescent Psychiatry.*

Beaver, K. M., Connolly, E. J., Nedelec, J. L., & Schwartz, J. A. (2018). *On the Genetic and Genomic Basis of Aggression, Violence, and Antisocial Behavior* (Vol. 1): Oxford University Press.

Bechtold, J., Hipwell, A., Lewis, D. A., Loeber, R., & Pardini, D. (2016). Concurrent and sustained cumulative effects of adolescent marijuana use on subclinical psychotic symptoms. *American Journal of Psychiatry, 173*(8), 781-789.

Beck, J. J., Hottenga, J.-J., Mbarek, H., Finnicum, C. T., Ehli, E. A., Hur, Y.-M., . . . Davies, G. E. (2019). Genetic similarity assessment of twin-family populations by custom-designed genotyping array. *Twin Research and Human Genetics, 22*(4), 210-219.

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

Benjamini, Y., & Hochberg, Y. (1995). Controlling the False Discovery Rate: A Practical and Powerful Approach to Multiple Testing. *Journal of the Royal Statistical Society: Series B (Methodological), 57*(1), 289-300

Betteridge, D. J. (2000). What is oxidative stress? *Metabolism, 49*(2), 3-8. doi:https://doi.org/10.1016/S0026-0495(00)80077-3

Bevilacqua, L., Hale, D., Barker, E. D., & Viner, R. (2017). Conduct problems trajectories and psychosocial outcomes: a systematic review and meta-analysis. *European Child & Adolescent Psychiatry*. doi:10.1007/s00787-017-1053-4

Bhavsar, V., & Bhugra, D. (2008). Religious delusions: finding meanings in psychosis. *Psychopathology, 41*(3), 165-172.

Biederman, J., Petty, C. R., Dolan, C., Hughes, S., Mick, E., Monuteaux, M. C., & Faraone, S. V. (2008). The long-term longitudinal course of oppositional defiant disorder and conduct disorder in ADHD boys: findings from a controlled 10-year prospective longitudinal follow-up study. *Psychol Med, 38*(7), 1027-1036. doi:10.1017/S0033291707002668

Birmaher, B., Khetarpal, S., Brent, D., Cully, M., Balach, L., Kaufman, J., & Neer, S. M. (1997). The screen for child anxiety related emotional disorders (SCARED): Scale construction and psychometric characteristics. *Journal of the American Academy of Child & Adolescent Psychiatry, 36*(4), 545-553.

Björkqvist, K., & Österman, K. (2018). Sex differences in aggression. In J. L. Ireland, P. Birch, & C. A. Ireland (Eds.), *The Routledge International Handbook of Human Aggression* (pp. 19-30): Routledge.

Boksa, P. (2013). A way forward for research on biomarkers for psychiatric disorders. *Journal of Psychiatry & Neuroscience, 38*(2), 75-55 %U http://jpn.ca/vol38-issue72/38-72-75/.

Bolhuis, K., Lubke, G. H., van der Ende, J., Bartels, M., van Beijsterveldt, C. E. M., Lichtenstein, P., . . . Tiemeier, H. (2017). Disentangling Heterogeneity of Childhood Disruptive Behavior Problems Into Dimensions and Subgroups. *Journal of the American Academy of Child & Adolescent Psychiatry, 56*(8), 678-686. doi:https://doi.org/10.1016/j.jaac.2017.05.019

Boomsma, D. I. (2015a). Aggression in children: unravelling the interplay of genes and environment through (epi)genetics and metabolomics. *Journal of Pediatric and Neonatal Individualized Medicine, 4*(2), e040251. doi:https://doi.org/10.7363/040251

Boomsma, D. I. (2015b). Aggression in children: unravelling the interplay of genes and environment through (epi)genetics and metabolomics. *Journal of Pediatric and Neonatal Individualized Medicine, 4*(2), e040251 doi:https://doi.org/10.7363/040251

Boomsma, D. I., De Geus, E. J., Vink, J. M., Stubbe, J. H., Distel, M. A., Hottenga, J.-J., . . . Bartels, M. (2006). Netherlands Twin Register: from twins to twin families. *Twin Research and Human Genetics, 9*(6), 849-857.

Borah, R., Brown, A. W., Capers, P. L., & Kaiser, K. A. (2017). Analysis of the time and workers needed to conduct systematic reviews of medical interventions using data from the PROSPERO registry. *BMJ Open, 7*(2), e012545. doi:http://dx.doi.org/10.1136/bmjopen-2016-012545

Bosker, F. J., Hartman, C. A., Nolte, I. M., Prins, B. P., Terpstra, P., Posthuma, D., . . . Nolen, W. A. (2011). Poor replication of candidate genes for major depressive disorder using genome-wide association data. *Molecular Psychiatry, 16*(5), 516-532. doi:https://doi.org/10.1038/mp.2010.38

Boutwell, B. B., Beaver, K. M., Barnes, J. C., & Vaske, J. (2012). The developmental origins of externalizing behavioral problems: parental disengagement and the role of gene–environment interplay. *Psychiatry Research, 197*(3), 337-344.

Boylan, K., Rowe, R., Duku, E., Waldman, I., Stepp, S., Hipwell, A., & Burke, J. (2017). Longitudinal Profiles of Girls' Irritable, Defiant and Antagonistic Oppositional Symptoms: Evidence for Group Based Differences in Symptom Severity. *Journal of Abnormal Child Psychology, 45*(6), 1133-1145. doi:10.1007/s10802-016-0231-z

Breaux, R. P., Harvey, E. A., & Lugo-Candelas, C. I. (2014). The Role of Parent Psychopathology in the Development of Preschool Children with Behavior Problems. *Journal of Clinical Child & Adolescent Psychology, 43*(5), 777-790. doi:10.1080/15374416.2013.836451

Brevik, E. J., van Donkelaar, M. M. J., Weber, H., Sánchez-Mora, C., Jacob, C., Rivero, O., . . . Zayats, T. (2016). Genome-wide analyses of aggressiveness in attention-deficit hyperactivity disorder. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 171*(5), 733-747. doi:https://doi.org/10.1002/ajmg.b.32434

Bridgeland, J. M., DiIulio Jr, J. J., & Morison, K. B. (2006). The silent epidemic: Perspectives of high school dropouts. *Civic Enterprises*.

Brunner, H., Nelen, M., Breakefield, X., Ropers, H., & van Oost, B. (1993). Abnormal behavior associated with a point mutation in the structural gene for monoamine oxidase A. *Science, 262*(5133), 578-580. doi:DOI: 10.1126/science.8211186

Bulik-Sullivan, B. K., Loh, P.-R., Finucane, H. K., Ripke, S., Yang, J., Patterson, N., . . . Neale, B. M. (2015). LD Score regression distinguishes confounding from polygenicity in genome-wide association studies. *Nature Genetics, 47*(3), 291-295. doi:https://doi.org/10.1038/ng.3211

Burke, J. D. (2012). An affective dimension within oppositional defiant disorder symptoms among boys: personality and psychopathology outcomes into early adulthood. *Journal of Child Psychology and Psychiatry, 53*(11), 1176-1183. doi:10.1111/j.1469-7610.2012.02598.x

Burke, J. D., Boylan, K., Rowe, R., Duku, E., Stepp, S. D., Hipwell, A. E., & Waldman, I. D. (2014). Identifying the irritability dimension of ODD: application of a modified bifactor model across five large community samples of children. *Journal of Abnormal Psychology, 123*(4), 841-851. doi:10.1037/a0037898

Burke, J. D., Hipwell, A. E., & Loeber, R. (2010). Dimensions of oppositional defiant disorder as predictors of depression and conduct disorder in preadolescent girls. *Journal of the American Academy of Child & Adolescent Psychiatry, 49*(5), 484-492. doi:10.1016/j.jaac.2010.01.016

Burke, J. D., Loeber, R., Lahey, B. B., & Rathouz, P. J. (2005). Developmental transitions among affective and behavioral disorders in adolescent boys. *Journal of Child Psychology and Psychiatry, 46*(11), 1200-1210. doi:10.1111/j.1469-7610.2005.00422.x

Burt, S. A., Klump, K. L., Gorman-Smith, D., & Neiderhiser, J. M. (2016). Neighborhood Disadvantage Alters the Origins of Children's Nonaggressive Conduct Problems. *Clinical Psychological Science*. doi:10.1177/2167702615618164

Buss, A. H., & Durkee, A. (1957). An inventory for assessing different kinds of hostility. *Journal of Consulting Psychology, 21*(4), 343-349 %U http://doi.apa.org/getdoi.cfm?doi=310.1037/h0046900.

Cai, N., Revez, J. A., Adams, M. J., Andlauer, T. F. M., Breen, G., Byrne, E. M., . . . Flint, J. (2018). Minimal phenotyping yields GWAS hits of reduced specificity for major depression. In: Genetics.

Camp, J. P., Skeem, J. L., Barchard, K., Lilienfeld, S. O., & Poythress, N. G. (2013). Psychopathic predators? Getting specific about the relation between psychopathy and violence. *Journal of Consulting and Clinical Psychology, 81*(3), 467-480. doi:10.1037/a0031349

Campbell, I., Lundstrom, S., Larsson, H., Lichtenstein, P., & Lubke, G. (2019). The relation between the age at diagnosis of problem behaviors related to aggression and distal outcomes in Swedish children. *European Child & Adolescent Psychiatry, 28*(7), 899-911. doi:https://doi.org/10.1007/s00787-018-1250-9

Campbell, S. B., Spieker, S., Vandergrift, N., Belsky, J., & Burchinal, M. (2010). Predictors and sequelae of trajectories of physical aggression in school-age boys and girls. *Development and Psychopathology, 22*(01), 133-150. doi:doi:10.1017/S0954579409990319

Cao, B., Wang, D., Pan, Z., McIntyre, R. S., Brietzke, E., Subramanieapillai, M., . . . Wang, J. (2020). Metabolic profiling for water-soluble metabolites in patients with schizophrenia and healthy controls in a Chinese population: A case-control study. *The World Journal of Biological Psychiatry, 21*(5), 357-367. doi:https://doi.org/10.1080/15622975.2019.1615639

Card, N. A., Stucky, B. D., Sawalani, G. M., & Little, T. D. (2008). Direct and indirect aggression during childhood and adolescence: A meta-analytic review of gender differences, intercorrelations, and relations to maladjustment. *Child Development, 79*(5), 1185-1229.

Caspi, A. (2002). Role of Genotype in the Cycle of Violence in Maltreated Children. *Science, 297*(5582), 851-854. doi:doi: 10.1126/science.1072290

Caspi, A., Houts, R. M., Belsky, D. W., Goldman-Mellor, S. J., Harrington, H., Israel, S., . . . Moffitt, T. E. (2014). The p Factor: One General Psychopathology Factor in the Structure of Psychiatric Disorders? *Clinical Psychological Science, 2*(2), 119-137. doi:10.1177/2167702613497473

Chang, Z., Lichtenstein, P., D'Onofrio, B. M., Almqvist, C., Kuja-Halkola, R., Sjölander, A., & Larsson, H. (2014). Maternal age at childbirth and risk for ADHD in offspring: a population-based cohort study. *International Journal of Epidemiology, 43*(6), 1815-1824. doi:10.1093/ije/dyu204

Chorpita, B. F., Reise, S., Weisz, J. R., Grubbs, K., Becker, K. D., & Krull, J. L. (2010). Evaluation of the Brief Problem Checklist: Child and caregiver interviews to measure clinical progress. *Journal of Consulting and Clinical Psychology, 78*(4), 526.

Chung, S. T., Chacko, S. K., Sunehag, A. L., & Haymond, M. W. (2015). Measurements of Gluconeogenesis and Glycogenolysis: A Methodological Review. *Diabetes, 64*(12), 3996-4010. doi:https://doi.org/10.2337/db15-0640

Cleary, A., & Nixon, E. (2012). Early adult outcomes for Irish children with behavioural difficulties. *International Journal of Social Psychiatry, 58*(6), 643-651. doi:10.1177/0020764011421100

Coccaro, E. F., Berman, M. E., & Kavoussi, R. J. (1997). Assessment of life history of aggression: development and psychometric characteristics. *Psychiatry Research, 73*(3), 147-157. doi:http://dx.doi.org/10.1016/S0165-1781(97)00119-4

Coccaro, E. F., Lee, R., & Gozal, D. (2016). Elevated Plasma Oxidative Stress Markers in Individuals With Intermittent Explosive Disorder and Correlation With Aggression in Humans. *Biol Psychiatry, 79*(2), 127-135. doi:https://doi.org/10.1016/j.biopsych.2014.01.014

Cohen, A. M., Hersh, W. R., Peterson, K., & Yen, P. Y. (2006). Reducing Workload in Systematic Review Preparation Using Automated Citation Classification. *Journal of the American Medical Informatics Association, 13*(2), 206-219. doi:https://doi.org/10.1197/jamia.M1929

Colins, O., Vermeiren, R., Schuyten, G., Broekaert, E., & Soyez, V. (2008). Informant agreement in the assessment of disruptive behavior disorders in detained minors in Belgium: a diagnosis-level and symptom-level examination. *The Journal of clinical psychiatry, 69*(1), 141-148. doi:10.4088/jcp.v69n0119

Colins, O., Vermeiren, R., Vreugdenhil, C., van den Brink, W., Doreleijers, T., & Broekaert, E. (2010). Psychiatric disorders in detained male adolescents: a systematic literature review. *The Canadian Journal of Psychiatry, 55*(4), 255-263.

Colins, O. F., Andershed, H., & Pardini, D. A. (2015). Psychopathic traits as predictors of future criminality, intimate partner aggression, and substance use in young adult men. *Law and human behavior, 39*(6), 547-558. doi:10.1037/lhb0000148

Colins, O. F., Fanti, K. A., & Andershed, H. (2020). The DSM-5 Limited Prosocial Emotions Specifier for Conduct Disorder: Comorbid Problems, Prognosis, and Antecedents. *Journal of the American Academy of Child & Adolescent Psychiatry*.

Comai, S., Bertazzo, A., Vachon, J., Daigle, M., Toupin, J., Côté, G., . . . Gobbi, G. (2016). Tryptophan via serotonin/kynurenine pathways abnormalities in a large cohort of aggressive inmates: markers for aggression. *Progress in Neuro-Psychopharmacology and Biological Psychiatry, 70*, 8-16 %U https://linkinghub.elsevier.com/retrieve/pii/S0278584616300586.

Connell, A. M., & Goodman, S. H. (2002). The association between psychopathology in fathers versus mothers and children's internalizing and externalizing behavior problems: a meta-analysis. *Psychological Bulletin, 128*(5), 746.

CONVERGE Consortium. (2015). Sparse whole-genome sequencing identifies two loci for major depressive disorder. *Nature, 523*(7562), 588-591. doi:https://doi.org/10.1038/nature14659

Copeland, W. E., Shanahan, L., Costello, E. J., & Angold, A. (2009). Childhood and adolescent psychiatric disorders as predictors of young adult disorders. *Archives of General Psychiatry, 66*(7), 764-772. doi:10.1001/archgenpsychiatry.2009.85

Côté, S., Tremblay, R. E., Nagin, D. S., Zoccolillo, M., & Vitaro, F. (2002). Childhood behavioral profiles leading to adolescent conduct disorder: Risk trajectories for boys and girls. *Journal of the American Academy of Child & Adolescent Psychiatry, 41*(9), 1086-1094.

Cottle, C. C., Lee, R. J., & Heilbrun, K. (2001). The prediction of criminal recidivism in juveniles: A meta-analysis. *Criminal Justice and Behavior, 28*(3), 367-394.

Craig, I. W., & Halton, K. E. (2009). Genetics of human aggressive behaviour. *Human Genetics, 126*(1), 101-113. doi:https://doi.org/10.1007/s00439-009-0695-9

Criado, J. R., Gizer, I. R., Slutske, W. S., Phillips, E., & Ehlers, C. L. (2012). Event-related oscillations to affective stimuli: Heritability, linkage and relationship to externalizing disorders. *Journal of Psychiatric Research, 46*(2), 256-263. doi:https://doi.org/10.1016/j.jpsychires.2011.10.017

Crick, N. R., Casas, J. F., & Mosher, M. (1997). Relational and overt aggression in preschool. *Dev Psychol, 33*(4), 579.

Cummings, C. M., Caporino, N. E., & Kendall, P. C. (2014). Comorbidity of anxiety and depression in children and adolescents: 20 years after. *Psychological Bulletin, 140*(3), 816.

Cunningham, N. R., & Ollendick, T. H. (2010). Comorbidity of anxiety and conduct problems in children: Implications for clinical research and practice. *Clinical Child and Family Psychology Review, 13*(4), 333-347.

Curry, A. (2019). A painful legacy. *Science, 365*(6450), 212-215. doi:10.1126/science.365.6450.212

Cynober, L. (2013). Citrulline: just a biomarker or a conditionally essential amino acid and a pharmaconutrient in critically ill patients? *Critical Care, 17*(2), 122. doi:https://doi.org/10.1186/cc12534

Davydova, J. D., Litvinov, S. S., Enikeeva, R. F., Malykh, S. B., & Khusnutdinova, E. K. (2018). Recent advances in genetics of aggressive behavior. *Vavilov Journal of Genetics and Breeding, 22*(6), 716-725. doi:https://doi.org/10.18699/VJ18.415

de la Vega, D., Piña, A., Peralta, F. J., Kelly, S. A., & Giner, L. (2018). A Review on the General Stability of Mood Disorder Diagnoses Along the Lifetime. *Current Psychiatry Reports, 20*(4), 29. doi:10.1007/s11920-018-0891-1

De Moor, M. H. M., Boomsma, D. I., Stubbe, J. H., Willemsen, G., & de Geus, E. J. C. (2008). Testing Causality in the Association Between Regular Exercise and Symptoms of Anxiety and Depression. *Archives of General Psychiatry, 65*(8), 897-905. doi:10.1001/archpsyc.65.8.897

DeKlyen, M., Biernbaum, M. A., Speltz, M. L., & Greenberg, M. T. (1998). Fathers and preschool behavior problems. *Dev Psychol, 34*(2), 264-275. doi:10.1037/0012-1649.34.2.264

Del Giudice, M. (2017). Statistical tests of differential susceptibility: Performance, limitations, and improvements. *Development and Psychopathology, 29*(4), 1267-1278.

Dembo, R., Briones-Robinson, R., Barrett, K., Winters, K. C., Ungaro, R., Karas, L., . . . Belenko, S. (2012). Psychosocial Problems Among Truant Youths: A Multi-Group, Exploratory Structural Equation Modeling Analysis. *Journal of Child & Adolescent Substance Abuse, 21*(5), 440-465. doi:10.1080/1067828X.2012.724290

Demirkan, A., Henneman, P., Verhoeven, A., Dharuri, H., Amin, N., van Klinken, J. B., . . . van Dijk, K. W. (2015). Insight in Genome-Wide Association of Metabolite Quantitative Traits by Exome Sequence Analyses. *PLoS Genetics, 11*(1), e1004835. doi:https://doi.org/10.1371/journal.pgen.1004835

Dick, D. M., Aliev, F., Krueger, R. F., Edwards, A., Agrawal, A., Lynskey, M., . . . Bierut, L. (2011). Genome-wide association study of conduct disorder symptomatology. *Molecular Psychiatry, 16*(8), 800-808. doi:https://doi.org/10.1038/mp.2010.73

Dick, D. M., Li, T. K., Edenberg, H. J., Hesselbrock, V., Kramer, J., Kuperman, S., . . . Foroud, T. (2004). A genome-wide screen for genes influencing conduct disorder. *Molecular Psychiatry, 9*(1), 81-86. doi:https://doi.org/10.1038/sj.mp.4001368

Dinić, B. M., Smederevac, S., Sadiković, S., Oljača, M., Vučinić, N., Prinz, M., & Budimlija, Z. (2020). Twin study of laboratory-induced aggression. *Aggress Behav.*

Dinkler, L., Lundström, S., Gajwani, R., Lichtenstein, P., Gillberg, C., & Minnis, H. (2017). Maltreatment-associated neurodevelopmental disorders: A co-twin control analysis. *Journal of Child Psychology and Psychiatry, 58*(6), 691-701.

Do, K., Lauer, C., Schreiber, W., Zollinger, M., Gutteck-Amsler, U., Cuenod, M., & Holsboer, F. (1995). γ-Glutamylglutamine and taurine concentrations are decreased in the cerebrospinal fluid of drug-naive patients with schizophrenic disorders. *Journal of Neurochemistry, 65*(6), 2652-2662.

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., Lochman, J. E., Harnish, J. D., Bates, J. E., & Pettit, G. S. (1997). Reactive and proactive aggression in school children and psychiatrically impaired chronically assaultive youth. *Journal of Abnormal Psychology, 106*(1), 37-51 %U http://doi.apa.org/getdoi.cfm?doi=10.1037/0021-1843X.1106.1031.1037.

Drabick, D. A., & Gadow, K. D. (2012). Deconstructing oppositional defiant disorder: clinic-based evidence for an anger/irritability phenotype. *Journal of the American Academy of Child & Adolescent Psychiatry, 51*(4), 384-393. doi:10.1016/j.jaac.2012.01.010

Dudbridge, F. (2016). Polygenic Epidemiology. *Genetic Epidemiology, 40*(4), 268-272. doi:https://doi.org/10.1002/gepi.21966

Dunn, W. B., & Ellis, D. I. (2005). Metabolomics: Current analytical platforms and methodologies. *TrAC Trends in Analytical Chemistry, 24*(4), 285-294. doi:https://doi.org/10.1016/j.trac.2004.11.021

Ehli, E. A., Abdellaoui, A., Fedko, I. O., Grieser, C., Nohzadeh-Malakshah, S., Willemsen, G., . . . Hottenga, J. J. (2017). A method to customize population-specific arrays for genome-wide association testing. *European Journal of Human Genetics, 25*(2), 267-270.

Englund, A. (2016). Skolelevers drogvanor 2016 CAN rapport 161. In: Centralförbundet för alkohol och narkotikaupplysning, CAN.

Evans, G. W. (2004). The environment of childhood poverty. *American psychologist, 59*(2), 77.

Falk, O., Wallinius, M., Lundström, S., Frisell, T., Anckarsäter, H., & Kerekes, N. (2014). The 1% of the population accountable for 63% of all violent crime convictions. *Social Psychiatry and Psychiatric Epidemiology, 49*(4), 559-571. doi:10.1007/s00127-013-0783-y

Fanti, K. A., Colins, O. F., & Andershed, H. (2019). Unraveling the longitudinal reciprocal associations between anxiety, delinquency, and depression from early to middle adolescence. *Journal of Criminal Justice, 62*, 29-34. doi:https://doi.org/10.1016/j.jcrimjus.2018.09.004

Fanti, K. A., Hellfeldt, K., Colins, O. F., Meehan, A., Andershed, A.-K., & Andershed, H. (2018). Worried, sad, and breaking rules? Understanding the developmental interrelations among symptoms of anxiety, depression, and conduct problems during early childhood. *Journal of Criminal Justice.* doi:https://doi.org/10.1016/j.jcrimjus.2018.09.006

Farrington, D. P., & Loeber, R. (2000). Some benefits of dichotomization in psychiatric and criminological research. *Criminal Behaviour and Mental Health, 10*(2), 100-122. doi:10.1002/cbm.349

Feldman, R. (2012). Oxytocin and social affiliation in humans. *Hormones and Behavior, 61*(3), 380-391. doi:https://doi.org/10.1016/j.yhbeh.2012.01.008

Ferguson, C. J. (2010). Genetic Contributions to Antisocial Personality and Behavior: A Meta-Analytic Review From an Evolutionary Perspective. *The Journal of Social Psychology, 150*(2), 160-180. doi:https://doi.org/10.1080/00224540903366503

Fergusson, D. M., John Horwood, L., & Ridder, E. M. (2005). Show me the child at seven: the consequences of conduct problems in childhood for psychosocial functioning in adulthood. *Journal of Child Psychology and Psychiatry, 46*(8), 837-849. doi:10.1111/j.1469-7610.2004.00387.x

Ferland, C. E., Teles, A. R., Ingelmo, P., Saran, N., Marchand, S., & Ouellet, J. A. (2019). Blood monoamines as potential biomarkers for conditioned pain modulation efficacy: An exploratory study in paediatrics. *European Journal of Pain, 23*(2), 327-340. doi:https://doi.org/10.1002/ejp.1307

Fernández-Jalvo, Y., Díez, J. C., Bermúdez de Castro, J. M., Carbonell, E., & Arsuaga, J. L. (1996). Evidence of early cannibalism. *Science-AAAS-Weekly Paper Edition, 271*(5247), 275.

Fernàndez-Castillo, N., & Cormand, B. (2016). Aggressive behavior in humans: genes and pathways identified through association studies. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 171*(5), 676-696.

Flouri, E., & Ioakeimidi, S. (2017). Maternal depressive symptoms in childhood and risky behaviours in early adolescence. *European Child & Adolescent Psychiatry*, 1-8.

Foley, D. L., Eaves, L. J., Wormley, B., Silberg, J. L., Maes, H. H., Kuhn, J., & Riley, B. (2004). Childhood Adversity, Monoamine Oxidase A Genotype, and Risk for ConductDisorder. *Archives of General Psychiatry, 61*(7), 738. doi:doi:10.1001/archpsyc.61.7.738

Fontaine, N. M. G., Brendgen, M., Vitaro, F., Boivin, M., Tremblay, R. E., & Côté, S. M. (2019). Longitudinal associations between delinquency, depression and anxiety symptoms in adolescence: Testing the moderating effect of sex and family socioeconomic status. *Journal of Criminal Justice, 62*, 58-65. doi:https://doi.org/10.1016/j.jcrimjus.2018.09.007

Frick, P. J., & Nigg, J. T. (2012). Current issues in the diagnosis of attention deficit hyperactivity disorder, oppositional defiant disorder, and conduct disorder. *Annual Review of Clinical Psychology, 8*(1), 77-107. doi:10.1146/annurev-clinpsy-032511-143150

Gard, A. M., Dotterer, H. L., & Hyde, L. W. (2019). Genetic influences on antisocial behavior: recent advances and future directions. *Current Opinion in Psychology, 27*, 46-55. doi:https://doi.org/10.1016/j.copsyc.2018.07.013

Garlipp, P., Gödecke-Koch, T., Dietrich, D., & Haltenhof, H. (2004). Lycanthropy–psychopathological and psychodynamical aspects. *Acta Psychiatrica Scandinavica, 109*(1), 19-22.

George, C., Herman, K. C., & Ostrander, R. (2006). The family environment and developmental psychopathology: The unique and interactive effects of depression, attention, and conduct problems. *Child Psychiatry Hum Dev, 37*(2), 163-177.

Gibson, K. M., Gupta, M., Pearl, P. L., Tuchman, M., Vezina, L. G., Snead, O. C., . . . Jakobs, C. (2003). Significant behavioral disturbances in succinic semialdehyde dehydrogenase (SSADH) deficiency (Gamma-Hydroxybutyric aciduria). *Biol Psychiatry, 54*(7), 763-768. doi:https://doi.org/10.1016/S0006-3223(03)00113-6

Gieger, C., Geistlinger, L., Altmaier, E., Hrabé de Angelis, M., Kronenberg, F., Meitinger, T., . . . Suhre, K. (2008). Genetics Meets Metabolomics: A Genome-Wide Association Study of Metabolite Profiles in Human Serum. *PLoS Genetics, 4*(11), e1000282. doi:https://doi.org/10.1371/journal.pgen.1000282

Glasner, T. J., Van Beijsterveldt, C., Willemsen, G., & Boomsma, D. I. (2013). Multiple births in the Netherlands. *Nederlands tijdschrift voor geneeskunde, 157*(30), A5962.

Glenn, A. L. (2009). Neuroendocrine Markers of Psychopathy. In M. S. Ritsner (Ed.), *The Handbook of Neuropsychiatric Biomarkers, Endophenotypes and Genes* (pp. 59-70). Dordrecht: Springer Netherlands.

Goh, K. I., Cusick, M. E., Valle, D., Childs, B., Vidal, M., & Barabasi, A. L. (2007). The human disease network. *Proceedings of the National Academy of Sciences, 104*(21), 8685-8690. doi:https://doi.org/10.1073/pnas.0701361104

Goodman, A., Heiervang, E., Collishaw, S., & Goodman, R. (2011). The 'DAWBA bands' as an ordered-categorical measure of child mental health: description and validation in British and Norwegian samples. *Social Psychiatry and Psychiatric Epidemiology, 46*(6), 521-532. doi:10.1007/s00127-010-0219-x

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. doi:https://doi.org/10.1007/s10802-010-9434-x

Goodman, R. (1997). The Strengths and Difficulties Questionnaire: A Research Note. *Journal of Child Psychology and Psychiatry, 38*(5), 581-586. doi:10.1111/j.1469-7610.1997.tb01545.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.

Goodman, R., Ford, T., Richards, H., Gatward, R., & Meltzer, H. (2000). The Development and Well-Being Assessment: description and initial validation of an integrated assessment of child and adolescent psychopathology. *Journal of Child Psychology and Psychiatry, 41*(5), 645-655. doi:10.1111/j.1469-7610.2000.tb02345.x

Goodman, S. H., Rouse, M. H., Connell, A. M., Broth, M. R., Hall, C. M., & Heyward, D. (2011). Maternal Depression and Child Psychopathology: A Meta-Analytic Review. *Clinical Child and Family Psychology Review, 14*(1), 1-27. doi:10.1007/s10567-010-0080-1

Granic, I. (2014). The role of anxiety in the development, maintenance, and treatment of childhood aggression. *Development and Psychopathology, 26*(4), 1515-1530. doi:10.1017/s0954579414001175

Gulsun, M., Oznur, T., Aydemir, E., Ozcelik, F., Erdem, M., Zincir, S., . . . Kurt, Y. (2016). Possible relationship between amino acids, aggression and psychopathy. *International Journal of Psychiatry in Clinical Practice, 20*(2), 91-100. doi:https://doi.org/10.3109/13651501.2016.1144771

Gusev, A., Ko, A., Shi, H., Bhatia, G., Chung, W., Penninx, B. W. J. H., . . . Pasaniuc, B. (2016). Integrative approaches for large-scale transcriptome-wide association studies. *Nature Genetics, 48*(3), 245-252. doi:https://doi.org/10.1038/ng.3506

Haberstick, B. C., Lessem, J. M., Hopfer, C. J., Smolen, A., Ehringer, M. A., Timberlake, D., & Hewitt, J. K. (2005). Monoamine oxidase A (MAOA) and antisocial behaviors in the presence of childhood and adolescent maltreatment. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 135B*(1), 59-64. doi:https://doi.org/10.1002/ajmg.b.30176

Hagenbeek, F. A., Kluft, C., Hankemeier, T., Bartels, M., Draisma, H. H. M., Middeldorp, C. M., . . . Boomsma, D. I. (2016). Discovery of biochemical biomarkers for aggression: A role for metabolomics in psychiatry. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 171*(5), 719-732. doi:doi:10.1002/ajmg.b.32435

Hagenbeek, F. A., van Dongen, J., Kluft, C., Hankemeier, T., Ligthart, L., Willemsen, G., . . . Boomsma, D. I. (2018). Adult aggressive behavior in humans and biomarkers: a focus on lipids and methylation. *Journal of Pediatric and Neonatal Individualized Medicine (JPNIM), 7*(2), e070204.

Handwerk, M. L., Larzelere, R. E., Soper, S. H., & Friman, P. C. (1999). Parent and child discrepancies in reporting severity of problem behaviors in three out-of-home settings. *Psychological Assessment, 11*(1), 14.

Hannigan, L. J., Walaker, N., Waszczuk, M. A., McAdams, T. A., & Eley, T. C. (2017). Aetiological Influences on Stability and Change in Emotional and Behavioural Problems across Development: A Systematic Review. *Psychopathology Review, a4*(1), 52-108. doi:10.5127/pr.038315

Hansson, S. L., Svanstrom Rojvall, A., Rastam, M., Gillberg, I. C., Gillberg, C., & Anckarsäter, H. (2005). Psychiatric telephone interview with parents for screening of childhood autismtics, attention-deficit hyperactivity disorder and other comorbidities (A-TAC): preliminary reliability and validity. *Br J Psychiatry, 187.* doi:10.1192/bjp.187.3.262

Harpold, T., Biederman, J., Gignac, M., Hammerness, P., Surman, C., Potter, A., & Mick, E. (2007). Is oppositional defiant disorder a meaningful diagnosis in adults?: results from a large sample of adults with ADHD. *The Journal of Nervous and Mental Disease, 195*(7), 601-605. doi:10.1097/NMD.0b013e318093f448

Hawley, P. H., & Vaughn, B. E. (2003). Aggression and adaptive functioning: The bright side to bad behavior. *Merrill-Palmer Quarterly, 49*(3), 239-242.

Hendriks, A., Bartels, M., Colins, O., & Finkenauer, C. (2018). Childhood aggression: a synthesis of reviews and meta-analyses to reveal patterns and opportunities for prevention and intervention strategies. *Neuroscience & Biobehavioral Reviews, 91*, 278-291.

Hendriks, A. M., Ip, H. F., Nivard, M. G., Finkenauer, C., Van Beijsterveldt, C. E. M., Bartels, M., & Boomsma, D. I. (2020). Content, diagnostic, correlational, and genetic similarities between common measures of childhood aggressive behaviors and related psychiatric traits. *Journal of Child Psychology and Psychiatry*, jcpp.13218. doi:https://doi.org/10.1111/jcpp.13218

Herzhoff, K., & Tackett, J. L. (2016). Subfactors of oppositional defiant disorder: converging evidence from structural and latent class analyses. *Journal of Child Psychology and Psychiatry, 57*(1), 18-29. doi:10.1111/jcpp.12423

Hicks, B. M., South, S. C., DiRago, A. C., Iacono, W. G., & McGue, M. (2009). Environmental Adversity and Increasing Genetic Risk for Externalizing Disorders. *JAMA Psychiatry, 66*(6), 640-648. doi:10.1001/archgenpsychiatry.2008.554

Hipwell, A. E., Stepp, S., Feng, X., Burke, J., Battista, D. R., Loeber, R., & Keenan, K. (2011). Impact of oppositional defiant disorder dimensions on the temporal ordering of conduct problems and depression across childhood and adolescence in girls. *Journal of Child Psychology and Psychiatry, 52*(10), 1099-1108. doi:10.1111/j.1469-7610.2011.02448.x

Hoeve, M., Dubas, J. S., Eichelsheim, V. I., van der Laan, P. H., Smeenk, W., & Gerris, J. R. M. (2009). The Relationship Between Parenting and Delinquency: A Meta-analysis. *Journal of Abnormal Child Psychology, 37*(6), 749-775. doi:10.1007/s10802-009-9310-8

Hubbard, J. A., McAuliffe, M. D., Morrow, M. T., & Romano, L. J. (2010). Reactive and Proactive Aggression in Childhood and Adolescence: Precursors, Outcomes, Processes, Experiences, and Measurement. *Journal of Personality, 78*(1), 95-118. doi:10.1111/j.1467-6494.2009.00610.x

Hukkelberg, S. S., & Ogden, T. (2018). Dimensionality of oppositional defiant disorder. *Child and Adolescent Mental Health, 23*(2), 121-129. doi:10.1111/camh.12248

IBM. (2017). IBM SPSS Statistics for Windows, Version 25.0. Armonk, NY: IBM Corp.

Janecka, M., Haworth, C. M. A., Ronald, A., Krapohl, E., Happé, F., Mill, J., . . . Rijsdijk, F. Paternal Age Alters Social Development in Offspring. *Journal of the American Academy of Child & Adolescent Psychiatry, 56*(5), 383-390. doi:10.1016/j.jaac.2017.02.006

Jolliffe, D., Farrington, D. P., Brunton-Smith, I., Loeber, R., Ahonen, L., & Palacios, A. P. (2019). Depression, anxiety and delinquency: Results from the Pittsburgh Youth Study. *Journal of Criminal Justice, 62*, 42-49. doi:https://doi.org/10.1016/j.jcrimjus.2018.08.004

Kasen, S., Cohen, P., Skodol, A. E., Johnson, J. G., Smailes, E., & Brook, J. S. (2001). Childhood Depression and Adult Personality Disorder: Alternative Pathways of Continuity. *Archives of General Psychiatry, 58*(3), 231-236. doi:10.1001/archpsyc.58.3.231

Kawamura, N., Shinoda, K., Sato, H., Sasaki, K., Suzuki, M., Yamaki, K., . . . Ohashi, Y. (2018). Plasma metabolome analysis of patients with major depressive disorder: Phosphoethanolamine and depression. *Psychiatry and Clinical Neurosciences, 72*(5), 349-361 %U http://doi.wiley.com/310.1111/pcn.12638.

Kaye, S., Lokki, A. I., Hanttu, A., Nissilä, E., Heinonen, S., Hakkarainen, A., . . . Pietiläinen, K. H. (2017). Upregulation of Early and Downregulation of Terminal Pathway Complement Genes in Subcutaneous Adipose Tissue and Adipocytes in Acquired Obesity. *Frontiers in Immunology, 8*, 545. doi:https://doi.org/10.3389/fimmu.2017.00545

Kendler, K. S., Zachar, P., & Craver, C. (2019). What kinds of things are psychiatric disorders? *Toward a Philosophical Approach to Psychiatry: The Writings of Kenneth Kendler*, 62.

Kennealy, P. J., Skeem, J. L., Walters, G. D., & Camp, J. (2010). Do core interpersonal and affective traits of PCL-R psychopathy interact with antisocial behavior and disinhibition to predict violence? *Psychological Assessment, 22*(3), 569.

Kerekes, N., Lundström, S., Chang, Z., Tajnia, A., Jern, P., Lichtenstein, P., . . . Anckarsäter, H. (2014). Oppositional defiant- and conduct disorder-like problems: neurodevelopmental predictors and genetic background in boys and girls, in a nationwide twin study. *PeerJ, 2*, e359-e359. Retrieved from http://dx.doi.org/10.7717/peerj.359

Kerr, M., Tremblay, R. E., Pagani, L., & Vitaro, F. (1997). Boys' behavioral inhibition and the risk of later delinquency. *Archives of General Psychiatry, 54*(9), 809-816. doi:10.1001/archpsyc.1997.01830210049005

Kettunen, J., Demirkan, A., Würtz, P., Draisma, H. H. M., Haller, T., Rawal, R., . . . Ala-Korpela, M. (2016). Genome-wide study for circulating metabolites identifies 62 loci and reveals novel systemic effects of LPA. *Nature Communications, 7*(1), 11122. doi:https://doi.org/10.1038/ncomms11122

Khabsa, M., Elmagarmid, A., Ilyas, I., Hammady, H., & Ouzzani, M. (2016). Learning to identify relevant studies for systematic reviews using random forest and external information. *Machine Learning, 102*(3), 465-482. doi:https://doi.org/10.1007/s10994-015-5535-7

Kim-Cohen, J., Caspi, A., Moffitt, T. E., Harrington, H., Milne, B. J., & Poulton, R. (2003). Prior Juvenile Diagnoses in Adults With Mental Disorder: Developmental Follow-Back of a Prospective-Longitudinal Cohort. *Archives of General Psychiatry, 60*(7), 709-717. doi:10.1001/archpsyc.60.7.709

Kim-Cohen, J., Caspi, A., Taylor, A., Williams, B., Newcombe, R., Craig, I. W., & Moffitt, T. E. (2006). MAOA, maltreatment, and gene–environment interaction predicting children's mental health: new evidence and a meta-analysis. *Molecular Psychiatry, 11*(10), 903-913. doi:https://doi.org/10.1038/sj.mp.4001851

Kim-Cohen, J., Moffitt, T. E., Taylor, A., Pawlby, S. J., & Caspi, A. (2005). Maternal depression and children's antisocial behavior: Nature and nurture effects. *Archives of General Psychiatry, 62*(2), 173-181. doi:10.1001/archpsyc.62.2.173

King, Y., & Parker, D. (2008). Driving violations, aggression and perceived consensus. *European Review of Applied Psychology, 58*(1), 43-49. doi:https://doi.org/10.1016/j.erap.2006.05.001

Klahr, A. M., & Burt, S. A. (2014). Practitioner Review: Evaluation of the known behavioral heterogeneity in conduct disorder to improve its assessment and treatment. *Journal of Child Psychology and Psychiatry, 55*(12), 1300-1310. doi:10.1111/jcpp.12268

Klingzell, I., Fanti, K. A., Colins, O. F., Frogner, L., Andershed, A.-K., & Andershed, H. (2016). Early Childhood Trajectories of Conduct Problems and Callous-Unemotional Traits: The Role of Fearlessness and Psychopathic Personality Dimensions. *Child Psychiatry & Human Development, 47*(2), 236-247. doi:10.1007/s10578-015-0560-0

Koulman, A., Lane, G. A., Harrison, S. J., & Volmer, D. A. (2009). From differentiating metabolites to biomarkers. *Analytical and Bioanalytical Chemistry, 394*(3), 663-670. doi:https://doi.org/10.1007/s00216-009-2690-3

Kuny, A. V., Althoff, R. R., Copeland, W., Bartels, M., Van Beijsterveldt, C., Baer, J., & Hudziak, J. J. (2013). Separating the domains of oppositional behavior: comparing latent models of the Conners' oppositional subscale. *Journal of the American Academy of Child & Adolescent Psychiatry, 52*(2), 172-183. doi:10.1016/j.jaac.2012.10.005

Kvam, S., Kleppe, C. L., Nordhus, I. H., & Hovland, A. (2016). Exercise as a treatment for depression: a meta-analysis. *Journal of Affective Disorders, 202*, 67-86.

Kyranides, M. N., Fanti, K. A., Katsimicha, E., & Georgiou, G. (2018). Preventing Conduct Disorder and Callous Unemotional Traits: Preliminary Results of a School Based Pilot Training Program. *Journal of Abnormal Child Psychology, 46*(2), 291-303. doi:10.1007/s10802-017-0273-x

Laherrere, J., & Sornette, D. (1998). Stretched exponential distributions in nature and economy:"fat tails" with characteristic scales. *The European Physical Journal B-Condensed Matter and Complex Systems, 2*(4), 525-539.

Lahr, M. M., Rivera, F., Power, R. K., Mounier, A., Copsey, B., Crivellaro, F., . . . Foley, R. A. (2016). Inter-group violence among early Holocene hunter-gatherers of West Turkana, Kenya. *Nature, 529*(7586), 394-398. doi:10.1038/nature16477

Lansford, J. E., Dodge, K. A., Pettit, G. S., & Bates, J. E. A Public Health Perspective on School Dropout and Adult Outcomes: A Prospective Study of Risk and Protective Factors From Age 5 to 27 Years. *Journal of Adolescent Health, 58*(6), 652-658. doi:10.1016/j.jadohealth.2016.01.014

Leadbeater, B., Thompson, K., & Gruppuso, V. (2012). Co-occurring Trajectories of Symptoms of Anxiety, Depression, and Oppositional Defiance From Adolescence to Young Adulthood. *Journal of Clinical Child & Adolescent Psychology, 41*(6), 719-730. doi:10.1080/15374416.2012.694608

Lichtenstein, P., de Faire, U., Floderus, B., Svartengren, M., Svedberg, P., & Pedersen, N. L. (2002). The Swedish Twin Registry: a unique resource for clinical, epidemiological and genetic studies. *Journal of internal medicine, 252*(3), 184-205.

Ligthart, L., & Boomsma, D. I. (2012). Causes of comorbidity: pleiotropy or causality? Shared genetic and environmental influences on migraine and neuroticism. *Twin Research and Human Genetics, 15*(2), 158-165.

Ligthart, L., van Beijsterveldt, C. E., Kevenaar, S. T., de Zeeuw, E., van Bergen, E., Bruins, S., . . . Hottenga, J.-J. (2019). The Netherlands Twin Register: Longitudinal Research Based on Twin and Twin-Family Designs. *Twin Research and Human Genetics*, 1-14.

Lindenfors, P., & S.Tullberg, B. (2011). Evolutionary Aspects of Aggression. In *Adv Genet* (Vol. 75, pp. 7-22): Elsevier.

Little, T. D., Rodkin, P. C., & Hawley, P. H. (2007). *Aggression and adaptation: The bright side to bad behavior*: Routledge.

Liu, M.-L., Zheng, P., Liu, Z., Xu, Y., Mu, J., Guo, J., . . . Xie, P. (2014). GC-MS based metabolomics identification of possible novel biomarkers for schizophrenia in peripheral blood mononuclear cells. *Mol. BioSyst., 10*(9), 2398-2406. doi:https://doi.org/10.1039/C4MB00157E

Liu, Y., Zhao, J., & Guo, W. (2018). Emotional Roles of Mono-Aminergic Neurotransmitters in Major Depressive Disorder and Anxiety Disorders. *Frontiers in Psychology, 9*, 2201. doi:https://doi.org/10.3389/fpsyg.2018.02201

Lleras-Muney, A. (2005). The Relationship Between Education and Adult Mortality in the United States. *The Review of Economic Studies, 72*(1), 189-221. doi:10.1111/0034-6527.00329

Loeber, R., & Farrington, D. P. (2000). Young children who commit crime: Epidemiology, developmental origins, risk factors, early interventions, and policy implications. *Development and Psychopathology, 12*(4), 737-762.

Loeber, R., & Hay, D. (1997). Key issues in the development of aggression and violence from childhood to early adulthood. *Annual Review of Psychology, 48*(1), 371-410.

Loeber, R., & Stouthamer-Loeber, M. (1998). Development of juvenile aggression and violence: Some common misconceptions and controversies. *American psychologist, 53*(2), 242-259. doi:https://doi.org/10.1037/0003-066X.53.2.242

Losel, F., & Farrington, D. P. (2012). Direct protective and buffering protective factors in the development of youth violence. *Am J Prev Med, 43*(2 Suppl 1), S8-S23. doi:10.1016/j.amepre.2012.04.029

Low, D. Y., Lefèvre-Arbogast, S., González-Domínguez, R., Urpi-Sarda, M., Micheau, P., Petera, M., . . . Manach, C. (2019). Diet-Related Metabolites Associated with Cognitive Decline Revealed by Untargeted Metabolomics in a Prospective Cohort. *Molecular Nutrition & Food Research, 63*(18), 1900177. doi:https://doi.org/10.1002/mnfr.201900177

Lowe, W. L., & Reddy, T. E. (2015). Genomic approaches for understanding the genetics of complex disease. *Genome Research, 25*(10), 1432-1441. doi:10.1101/gr.190603.115

Lubke, G. H., McArtor, D. B., Boomsma, D. I., & Bartels, M. (2018). Genetic and environmental contributions to the development of childhood aggression. *Dev Psychol, 54*(1), 39-50. doi:https://doi.org/10.1037/dev0000403

Lui, A., Lumeng, L., & Li, T. K. (1985). The measurement of plasma vitamin B6 compounds: comparison of a cation-exchange HPLC method with the open-column chromatographic method and the L-tyrosine apodecarboxylase assay. *The American Journal of Clinical Nutrition, 41*(6), 1236-1243. doi:https://doi.org/10.1093/ajcn/41.6.1236

Luo, X., Stavrakakis, N., Penninx, B. W., Bosker, F. J., Nolen, W. A., Boomsma, D. I., . . . Hartman, C. A. (2016). Does refining the phenotype improve replication rates? A review and replication of candidate gene studies on Major Depressive Disorder and Chronic Major Depressive Disorder. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 171*(2), 215-236. doi:https://doi.org/10.1002/ajmg.b.32396

Manchia, M., & Fanos, V. (2017). Targeting aggression in severe mental illness: The predictive role of genetic, epigenetic, and metabolomic markers. *Progress in Neuro-Psychopharmacology and Biological Psychiatry, 77*, 32-41. doi:https://doi.org/10.1016/j.pnpbp.2017.03.024

Marshall, N. A., Arnold, D. H., Rolon-Arroyo, B., & Griffith, S. F. (2015). The association between relational aggression and internalizing symptoms: A review and meta-analysis. *Journal of Social and Clinical Psychology, 34*(2), 135-160.

McGue, M., Zhang, Y., Miller, M. B., Basu, S., Vrieze, S., Hicks, B., . . . Iacono, W. G. (2013). A Genome-Wide Association Study of Behavioral Disinhibition. *Behavior Genetics, 43*(5), 363-373. doi:https://doi.org/10.1007/s10519-013-9606-x

McLaughlin, K. A., Gadermann, A. M., Hwang, I., Sampson, N. A., Al-Hamzawi, A., Andrade, L. H., . . . Kessler, R. C. (2012). Parent psychopathology and offspring mental disorders: results from the WHO World Mental Health Surveys. *The British Journal of Psychiatry.* doi:10.1192/bjp.bp.111.101253

Meister, A. (1974). Theγ-Glutamyl Cycle: Diseases Associated with Specific Enzyme Deficiencies. *Annals of Internal Medicine, 81*(2), 247. doi:https://doi.org/10.7326/0003-4819-81-2-247

Merjonen, P., Keltikangas-Järvinen, L., Jokela, M., Seppälä, I., Lyytikäinen, L. P., Pulkki-Råback, L., . . . Lehtimäki, T. (2011). Hostility in adolescents and adults: a genome-wide association study of the Young Finns. *Transl Psychiatry, 1*(6), e11-e11. doi:https://doi.org/10.1038/tp.2011.13

Mick, E., McGough, J., Deutsch, C. K., Frazier, J. A., Kennedy, D., & Goldberg, R. J. (2014). Genome-Wide Association Study of Proneness to Anger. *PLoS One, 9*(1), e87257. doi:https://doi.org/10.1371/journal.pone.0087257

Mick, E., McGough, J., Loo, S., Doyle, A. E., Wozniak, J., Wilens, T. E., . . . Faraone, S. V. (2011). Genome-Wide Association Study of the Child Behavior Checklist Dysregulation Profile. *Journal of the American Academy of Child & Adolescent Psychiatry, 50*(8), 807-817.e808. doi:https://doi.org/10.1016/j.jaac.2011.05.001

Moffitt, T. E. (1993). Adolescence-limited and life-course-persistent antisocial behavior: a developmental taxonomy. *Psychological review, 100*(4), 674.

Moffitt, T. E. (2005). Genetic and Environmental Influences on Antisocial Behaviors: Evidence from Behavioral–Genetic Research. In *Adv Genet* (Vol. 55, pp. 41-104): Elsevier.

Molenaar, D., Middeldorp, C., van Beijsterveldt, T., & Boomsma, D. I. (2015). Analysis of behavioral and emotional problems in children highlights the role of genotype × environment interaction. *Child Development, 86*(6), 1999-2016.

Montalvo-Ortiz, J. L., Zhou, H., D'Andrea, I., Maroteaux, L., Lori, A., Smith, A., . . . Gelernter, J. (2018). Translational studies support a role for serotonin 2B receptor (HTR2B) gene in aggression-related cannabis response. *Molecular Psychiatry, 23*(12), 2277-2286. doi:https://doi.org/10.1038/s41380-018-0077-6

Muthén, L., & Muthén, B. (2016). Mplus. *The comprehensive modelling program for applied researchers: user's guide, 5*.

Nabuurs, C. I., Choe, C. U., Veltien, A., Kan, H. E., van Loon, L. J. C., Rodenburg, R. J. T., . . . Heerschap, A. (2013). Disturbed energy metabolism and muscular dystrophy caused by pure creatine deficiency are reversible by creatine intake: Pure creatine deficiency in skeletal muscle. *The Journal of Physiology, 591*(2), 571-592. doi:https://doi.org/10.1113/jphysiol.2012.241760

Narayanan, M. K., & Nærde, A. (2016). Associations between maternal and paternal depressive symptoms and early child behavior problems: Testing a mutually adjusted prospective longitudinal model. *Journal of Affective Disorders, 196*, 181-189. doi:http://dx.doi.org/10.1016/j.jad.2016.02.020

Neale, M., Boker, S., Xie, G., & Maes, H. (2006). *Mx: Statistical Modeling.* (7 ed.). Richmond:: Department of Psychiatry.

Network, N. E. C. C. R., & Arsenio, W. F. (2004). Trajectories of physical aggression from toddlerhood to middle childhood: Predictors, correlates, and outcomes. *Monographs of the Society for Research in Child Development*, i-143.

Nilsson, K. W., Åslund, C., Comasco, E., & Oreland, L. (2018). Gene–environment interaction of monoamine oxidase A in relation to antisocial behaviour: current and future directions. *Journal of Neural Transmission, 125*(11), 1601-1626. doi:https://doi.org/10.1007/s00702-018-1892-2

Nivard, M., Dolan, C., Kendler, K., Kan, K., Willemsen, G., Van Beijsterveldt, C., . . . Bartels, M. (2015). Stability in symptoms of anxiety and depression as a function of genotype and environment: a longitudinal twin study from ages 3 to 63 years. *Psychol Med, 45*(5), 1039.

Nock, M. K., Kazdin, A. E., Hiripi, E., & Kessler, R. C. (2007). Lifetime prevalence, correlates, and persistence of oppositional defiant disorder: results from the National Comorbidity Survey Replication. *Journal of Child Psychology and Psychiatry, 48*(7), 703-713. doi:10.1111/j.1469-7610.2007.01733.x

Noga, M. J., Dane, A., Shi, S., Attali, A., van Aken, H., Suidgeest, E., . . . Hankemeier, T. (2012). Metabolomics of cerebrospinal fluid reveals changes in the central nervous system metabolism in a rat model of multiple sclerosis. *Metabolomics, 8*(2), 253-263. doi:https://doi.org/10.1007/s11306-011-0306-3

Norén Selinus, E., Molero, Y., Lichtenstein, P., Larson, T., Lundström, S., Anckarsäter, H., & Gumpert, C. H. (2015). Childhood Symptoms of ADHD Overrule Comorbidity in Relation to Psychosocial Outcome at Age 15: A Longitudinal Study. *PLoS One, 10*(9), e0137475. doi:10.1371/journal.pone.0137475

Nylund, K. L., Asparouhov, T., & Muthén, B. O. (2007). Deciding on the number of classes in latent class analysis and growth mixture modeling: A Monte Carlo simulation study. *Structural equation modeling, 14*(4), 535-569.

Odgers, C. L., Milne, B. J., Caspi, A., Crump, R., Poulton, R., & Moffitt, T. E. (2007). Predicting Prognosis for the Conduct-Problem Boy: Can Family History Help? *Journal of the American Academy of Child & Adolescent Psychiatry, 46*(10), 1240-1249. doi:http://dx.doi.org/10.1097/chi.0b013e31813c6c8d

Odgers, C. L., Moffitt, T. E., Broadbent, J. M., Dickson, N., Hancox, R. J., Harrington, H., . . . Caspi, A. (2008). Female and male antisocial trajectories: From childhood origins to adult outcomes. *Development and Psychopathology, 20*(2), 673-716. doi:10.1017/S0954579408000333

Odintsova, V. V., Roetman, P. J., Ip, H. F., Pool, R., Van der Laan, C. M., Tona, K.-D., . . . Boomsma, D. I. (2019). Genomics of human aggression: current state of genome-wide studies and an automated systematic review tool. *Psychiatric Genetics, 29*(5), 170-190. doi:10.1097/ypg.0000000000000239

Ogawa, S., Hattori, K., Sasayama, D., Yokota, Y., Matsumura, R., Matsuo, J., . . . Kunugi, H. (2015). Reduced cerebrospinal fluid ethanolamine concentration in major depressive disorder. *Scientific Reports, 5*(1), 7796. doi:https://doi.org/10.1038/srep07796

Ogawa, S., Koga, N., Hattori, K., Matsuo, J., Ota, M., Hori, H., . . . Kunugi, H. (2018). Plasma amino acid profile in major depressive disorder: Analyses in two independent case-control sample sets. *Journal of Psychiatric Research, 96*, 23-32. doi:https://doi.org/10.1016/j.jpsychires.2017.09.014

Olweus, D. (1996). Revised Olweus bully/victim questionnaire. *British Journal of Educational Psychology.*

Ondersma, S. J., Delaney-Black, V., Covington, C. Y., Nordstrom, B., & Sokol, R. J. (2006). The association between caregiver substance abuse and self-reported violence exposure among young urban children*. *Journal of Traumatic Stress, 19*(1), 107-118. doi:10.1002/jts.20105

Ormel, J., Hartman, C. A., & Snieder, H. (2019). The genetics of depression: successful genome-wide association studies introduce new challenges. *Transl Psychiatry, 9*(1), 114. doi:10.1038/s41398-019-0450-5

Panico, L., Becares, L., & Webb, E. A. (2014). Exploring household dynamics: the reciprocal effects of parent and child characteristics. *Longitudinal and Life Course Studies, 5*(1), 42-55.

Pappa, I., St Pourcain, B., Benke, K., Cavadino, A., Hakulinen, C., Nivard, M. G., . . . Tiemeier, H. (2016). A genome-wide approach to children's aggressive behavior: The EAGLE consortium. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 171*(5), 562-572. doi:http://doi.wiley.com/10.1002/ajmg.b.32333

Patterson, G. R., & Capaldi, D. M. (1990). A mediational model for boys' depressed mood. *Risk and protective factors in the development of psychopathology, 141163.*

Penn, J. K. M., Zito, M. F., & Kravitz, E. A. (2010). A single social defeat reduces aggression in a highly aggressive strain of Drosophila. *Proceedings of the National Academy of Sciences, 107*(28), 12682-12686. doi:https://doi.org/10.1073/pnas.1007016107

Piacentini, J. C., Cohen, P., & Cohen, J. (1992). Combining discrepant diagnostic information from multiple sources: are complex algorithms better than simple ones? *Journal of Abnormal Child Psychology, 20*(1), 51-63.

Piquero, A. R., Jennings, W. G., & Barnes, J. C. (2012). Violence in criminal careers: A review of the literature from a developmental life-course perspective. *Aggression and Violent Behavior, 17*(3), 171-179. doi:https://doi.org/10.1016/j.avb.2012.02.008

Plenis, A., Olędzka, I., Kowalski, P., Miękus, N., & Bączek, T. (2019). Recent Trends in the Quantification of Biogenic Amines in Biofluids as Biomarkers of Various Disorders: A Review. *Journal of Clinical Medicine, 8*(5), 640. doi:https://doi.org/10.3390/jcm8050640

Polman, H., Orobio de Castro, B., Koops, W., van Boxtel, H. W., & Merk, W. W. (2007). A Meta-Analysis of the Distinction between Reactive and Proactive Aggression in Children and Adolescents. *Journal of Abnormal Child Psychology, 35*(4), 522-535. doi:https://doi.org/10.1007/s10802-007-9109-4

Porsch, R. M., Middeldorp, C. M., Cherny, S. S., Krapohl, E., van Beijsterveldt, C. E. M., Loukola, A., . . . Bartels, M. (2016). Longitudinal heritability of childhood aggression. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 171*(5), 697-707. doi:https://doi.org/10.1002/ajmg.b.32420

Posthuma, D., Beem, A. L., de Geus, E. J. C., van Baal, G. C. M., von Hjelmborg, J. B., Iachine, I., & Boomsma, D. I. (2003). Theory and Practice in Quantitative Genetics. *Twin Research, 6*(5), 361-376. doi:https://doi.org/10.1375/twin.6.5.361

Provencal, N., Booij, L., & Tremblay, R. E. (2015). The developmental origins of chronic physical aggression: biological pathways triggered by early life adversity. *J Exp Biol, 218*(Pt 1), 123-133. doi:10.1242/jeb.111401

Raine, A. (2013). *The psychopathology of crime: Criminal behavior as a clinical disorder*: Elsevier.

Raine, A. (2019). A neurodevelopmental perspective on male violence. *Infant Mental Health Journal, 40*(1), 84-97. doi:https://doi.org/10.1002/imhj.21761

Raine, A., Dodge, K., Loeber, R., Gatzke-Kopp, L., Lynam, D., Reynolds, C., . . . Liu, J. (2006). The reactive–proactive aggression questionnaire: Differential correlates of reactive and proactive aggression in adolescent boys. *Aggress Behav, 32*(2), 159-171.

Ramchandani, P., & Psychogiou, L. Paternal psychiatric disorders and children's psychosocial development. *The Lancet, 374*(9690), 646-653. doi:http://dx.doi.org/10.1016/S0140-6736(09)60238-5

Rautiainen, M. R., Paunio, T., Repo-Tiihonen, E., Virkkunen, M., Ollila, H. M., Sulkava, S., . . . Tiihonen, J. (2016). Genome-wide association study of antisocial personality disorder. *Transl Psychiatry, 6*(9), e883-e883. doi:https://doi.org/10.1038/tp.2016.155

Reinke, W. M., & Ostrander, R. (2008). Heterotyic and Homotypic Continuity: The Moderating Effects of Age and Gender. *Journal of Abnormal Child Psychology, 36*(7), 1109-1121. doi:10.1007/s10802-008-9236-6

Reising, K., Ttofi, M. M., Farrington, D. P., & Piquero, A. R. (2019). Depression and anxiety outcomes of offending trajectories: A systematic review of prospective longitudinal studies. *Journal of Criminal Justice, 62*, 3-15. doi:https://doi.org/10.1016/j.jcrimjus.2018.05.002

Rhee, S. H., & Waldman, I. D. (2002). Genetic and environmental influences on antisocial behavior: a meta-analysis of twin and adoption studies. *Psychological Bulletin, 128*(3), 490.

Ring, J. (1999). *Hem och skola, kamrater och brott*. Stockholms universitet,

Rivenbark, J. G., Odgers, C. L., Caspi, A., Harrington, H., Hogan, S., Houts, R. M., . . . Moffitt, T. E. (2018). The high societal costs of childhood conduct problems: evidence from administrative records up to age 38 in a longitudinal birth cohort. *Journal of Child Psychology and Psychiatry, 59*(6), 703-710.

Roetman, P. J., Lundström, S., Finkenauer, C., Vermeiren, R. R. J. M., Lichtenstein, P., & Colins, O. F. (2019). Children With Early-Onset Disruptive Behavior: Parental Mental Disorders Predict Poor Psychosocial Functioning in Adolescence. *Journal of the American Academy of Child & Adolescent Psychiatry, 58*(8), 806-817. doi:10.1016/j.jaac.2018.10.017

Rogers, P., & Stoner, J. (2018). Modification of the Sandwich Estimator in Generalized Estimating Equations with Correlated Binary Outcomes in Rare Event and Small Sample Settings. *American Journal of Applied Mathematics and Statistics, 3*(6), 243-251. doi:10.12691/ajams-3-6-5

Rousseau, J.-J. (1754). Discourse on the origin and basis of inequality among men. *Rousseau J.-J. Traktaty*, 31-109.

Rowe, R., Costello, E. J., Angold, A., Copeland, W. E., & Maughan, B. (2010). Developmental pathways in oppositional defiant disorder and conduct disorder. *Journal of Abnormal Psychology, 119*(4), 726-738. doi:10.1037/a0020798

Rowe, R., Maughan, B., Pickles, A., Costello, E. J., & Angold, A. (2002). The relationship between DSM-IV oppositional defiant disorder and conduct disorder: findings from the Great Smoky Mountains Study. *Journal of Child Psychology and Psychiatry, 43*(3), 365-373. doi:10.1111/1469-7610.00027

Rubin, K. H., Bukowski, W. M., & Laursen, B. (2011). *Handbook of peer interactions, relationships, and groups*: Guilford Press.

Runions, K. C., Morandini, H. A. E., Rao, P., Wong, J. W. Y., Kolla, N. J., Pace, G., . . . Zepf, F. D. (2019). Serotonin and aggressive behaviour in children and adolescents: a systematic review. *Acta Psychiatrica Scandinavica, 139*(2), 117-144. doi:https://doi.org/10.1111/acps.12986

Salim, S. (2014). Oxidative Stress and Psychological Disorders. *Current Neuropharmacology, 12*(2), 140-147. doi:10.2174/1570159X11666131120230309

Salvatore, J. E., & Dick, D. M. (2018). Genetic influences on conduct disorder. *Neuroscience & Biobehavioral Reviews, 91*, 91-101. doi:https://doi.org/10.1016/j.neubiorev.2016.06.034

Salvatore, J. E., Edwards, A. C., McClintick, J. N., Bigdeli, T. B., Adkins, A., Aliev, F., . . . Dick, D. M. (2015). Genome-wide association data suggest ABCB1 and immune-related gene sets may be involved in adult antisocial behavior. *Transl Psychiatry, 5*(4), e558-e558. doi:https://doi.org/10.1038/tp.2015.36

Saunders, J. B., Aasland, O. G., Babor, T. F., De La Fuente, J. R., & Grant, M. (1993). Development of the Alcohol Use Disorders Identification Test (AUDIT): WHO Collaborative Project on Early Detection of Persons with Harmful Alcohol Consumption-II. *Addiction, 88*(6), 791-804. doi:10.1111/j.1360-0443.1993.tb02093.x

Sekhar, R. V., Patel, S. G., Guthikonda, A. P., Reid, M., Balasubramanyam, A., Taffet, G. E., & Jahoor, F. (2011). Deficient synthesis of glutathione underlies oxidative stress in aging and can be corrected by dietary cysteine and glycine supplementation. *American Journal of Clinical Nutrition, 94*(3), 847-853. doi:https://doi.org/10.3945/ajcn.110.003483

Setoyama, D., Kato, T. A., Hashimoto, R., Kunugi, H., Hattori, K., Hayakawa, K., . . . Kanba, S. (2016). Plasma Metabolites Predict Severity of Depression and Suicidal Ideation in Psychiatric Patients-A Multicenter Pilot Analysis. *PLoS One, 11*(12), e0165267. doi:https://doi.org/10.1371/journal.pone.0165267

Sham, P. C., & Purcell, S. M. (2014). Statistical power and significance testing in large-scale genetic studies. *Nature Reviews Genetics, 15*(5), 335-346 %U http://www.nature.com/articles/nrg3706.

Sharma, A., Gerbarg, P., Bottiglieri, T., Massoumi, L., Carpenter, L. L., Lavretsky, H., . . . as Work Group of the American Psychiatric Association Council on, R. (2017). S-Adenosylmethionine (SAMe) for Neuropsychiatric Disorders: A Clinician-Oriented Review of Research. *The Journal of clinical psychiatry, 78*(06), e656-e667. doi:https://doi.org/10.4088/JCP.16r11113

Shelleby, E. C., & Kolko, D. J. (2015). Predictors, Moderators, and Treatment Parameters of Community and Clinic-Based Treatment for Child Disruptive Behavior Disorders. *Journal of Child and Family Studies, 24*(3), 734-748. doi:10.1007/s10826-013-9884-1

Siever, L. J. (2008). Neurobiology of Aggression and Violence. *American Journal of Psychiatry, 165*(4), 429-442. doi:https://doi.org/10.1176/appi.ajp.2008.07111774

Soga, T., Baran, R., Suematsu, M., Ueno, Y., Ikeda, S., Sakurakawa, T., . . . Tomita, M. (2006). Differential Metabolomics Reveals Ophthalmic Acid as an Oxidative Stress Biomarker Indicating Hepatic Glutathione Consumption. *Journal of Biological Chemistry, 281*(24), 16768-16776. doi:10.1074/jbc.M601876200

Soga, T., Sugimoto, M., Honma, M., Mori, M., Igarashi, K., Kashikura, K., . . . Suematsu, M. (2011). Serum metabolomics reveals γ-glutamyl dipeptides as biomarkers for discrimination among different forms of liver disease. *Journal of Hepatology, 55*(4), 896-905. doi:https://doi.org/10.1176/appi.ajp.2008.07111774

Sonuga-Barke, E. J. S., Lasky-Su, J., Neale, B. M., Oades, R., Chen, W., Franke, B., . . . Faraone, S. V. (2008). Does parental expressed emotion moderate genetic effects in ADHD? an exploration using a genome wide association scan. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 147B*(8), 1359-1368. doi:https://doi.org/10.1002/ajmg.b.30860

Strimbu, K., & Tavel, J. A. (2010). What are biomarkers? *Current opinion in HIV and AIDS, 5*(6), 463-466. doi:10.1097/COH.0b013e32833ed177

Stringaris, A., & Goodman, R. (2009a). Longitudinal outcome of youth oppositionality: irritable, headstrong, and hurtful behaviors have distinctive predictions. *Journal of the American Academy of Child & Adolescent Psychiatry, 48*(4), 404-412. doi:10.1097/CHI.0b013e3181984f30

Stringaris, A., & Goodman, R. (2009b). Three dimensions of oppositionality in youth. *Journal of Child Psychology and Psychiatry, 50*(3), 216-223. doi:10.1111/j.1469-7610.2008.01989.x

Strous, R. D., Ritsner, M. S., Adler, S., Ratner, Y., Maayan, R., Kotler, M., . . . Weizman, A. (2009). Improvement of aggressive behavior and quality of life impairment following S-Adenosyl-Methionine (SAM-e) augmentation in schizophrenia. *European Neuropsychopharmacology, 19*(1), 14-22. doi:https://doi.org/10.1016/j.euroneuro.2008.08.004

Stubbe, J. H., de Moor, M. H. M., Boomsma, D. I., & de Geus, E. J. C. (2007). The association between exercise participation and well-being: A co-twin study. *Preventive Medicine, 44*(2), 148-152. doi:https://doi.org/10.1016/j.ypmed.2006.09.002

Suhre, K., & Gieger, C. (2012). Genetic variation in metabolic phenotypes: study designs and applications. *Nature Reviews Genetics, 13*(11), 759-769. doi:https://doi.org/10.1038/nrg3314

Sytema, S., Gunther, N., Reelick, F., Drukker, M., Pijl, B., & Van't Land, H. (2006). Verkenningen in de kinder-en jeugdpsychiatrie. *Een bijdrage uit de psychiatrische casusregisters Rijnmond, Zuid-Limburg en Noord-Nederland.[Explorations in child and adolescent psychiatry, contributions from the psychiatric case registers Rijnmond, Zuid-Limburg and Noord-Nederland.]. Utrecht: Trimbos Institute.*

Team, R. C. (2019). R: A language and environment for statistical computing (Version 3.0. 2) [Computer software]. Vienna, Austria: R Foundation for Statistical Computing. In.

Thompson, K. D., Leadbeater, B. J., & Ames, M. E. (2015). Reciprocal Effects of Internalizing and Oppositional Defiance Symptoms on Heavy Drinking and Alcohol-Related Harms in Young Adulthood. *Substance Abuse: Research and Treatment, 9s1*, SART.S33928. doi:10.4137/sart.S33928

Tielbeek, J. J., Johansson, A., Polderman, T. J. C., Rautiainen, M.-R., Jansen, P., Taylor, M., . . . for the Broad Antisocial Behavior Consortium collaborators. (2017). Genome-Wide Association Studies of a Broad Spectrum of Antisocial Behavior. *JAMA Psychiatry, 74*(12), 1242. doi:doi:10.1001/jamapsychiatry.2017.3069

Tiihonen, J., Rautiainen, M. R., Ollila, H. M., Repo-Tiihonen, E., Virkkunen, M., Palotie, A., . . . Paunio, T. (2015). Genetic background of extreme violent behavior. *Molecular Psychiatry, 20*(6), 786-792. doi:https://doi.org/10.1038/mp.2014.130

Trautmann-Villalba, P., Gschwendt, M., Schmidt, M. H., & Laucht, M. (2006). Father–infant interaction patterns as precursors of children's later externalizing behavior problems. *European Archives of Psychiatry and Clinical Neuroscience, 256*(6), 344-349. doi:10.1007/s00406-006-0642-x

Tremblay, R. E. (2010). Developmental origins of disruptive behaviour problems: the 'original sin' hypothesis, epigenetics and their consequences for prevention. *Journal of Child Psychology and Psychiatry, 51*(4), 341-367. doi:10.1111/j.1469-7610.2010.02211.x

Tremblay, R. E. (2014). Early development of physical aggression and early risk factors for chronic physical aggression in humans. *Current topics in behavioral neurosciences, 17*. doi:10.1007/7854_2013_262

Tremblay, R. E., Vitaro, F., & Côté, S. M. (2018). Developmental origins of chronic physical aggression: a bio-psycho-social model for the next generation of preventive interventions. *Annual Review of Psychology, 69*, 383-407.

Trinkaus, E., & Buzhilova, A. (2012). The death and burial of Sunghir 1. *International Journal of Osteoarchaeology, 22*(6), 655-666.

Tsoukalas, D., Alegakis, A., Fragkiadaki, P., Papakonstantinou, E., Nikitovic, D., Karataraki, A., . . . Tsatsakis, A. M. (2017). Application of metabolomics: Focus on the quantification of organic acids in healthy adults. *International Journal of Molecular Medicine, 40*(1), 112-120. doi:https://doi.org/10.3892/ijmm.2017.2983

Tuvblad, C., & Baker, L. A. (2011). Human aggression across the lifespan: genetic propensities and environmental moderators. *Adv Genet, 75*, 171-214. doi:10.1016/B978-0-12-380858-5.00007-1

Vaillancourt, S., McGillivray, D., Zhang, X., & Kramer, M. S. (2007). To Clean or Not to Clean: Effect on Contamination Rates in Midstream Urine Collections in Toilet-Trained Children. *Pediatrics, 119*(6), e1288-e1293. doi:https://doi.org/10.1542/peds.2006-2392

Van Beijsterveldt, C., Verhulst, F., Molenaar, P., & Boomsma, D. (2004). The genetic basis of problem behavior in 5-year-old Dutch twin pairs. *Behavior Genetics, 34*(3), 229-242.

Van der Sluis, S., Posthuma, D., Nivard, M. G., Verhage, M., & Dolan, C. V. (2013). Power in GWAS: lifting the curse of the clinical cut-off. *Molecular Psychiatry, 18*(1), 2-3. doi:https://doi.org/10.1542/peds.2006-2392

Van Dongen, J., Ehli, E. A., Jansen, R., Van Beijsterveldt, C. E., Willemsen, G., Hottenga, J. J., . . . Kluft, C. (2018). Genome-wide analysis of DNA methylation in buccal cells: a study of monozygotic twins and mQTLs. *Epigenetics & chromatin, 11*(1), 1-14.

van Dongen, J., Nivard, M. G., Willemsen, G., Hottenga, J.-J., Helmer, Q., Dolan, C. V., . . . Boomsma, D. I. (2016). Genetic and environmental influences interact with age and sex in shaping the human methylome. *Nature Communications, 7*(1), 11115. doi:https://doi.org/10.1038/ncomms11115

Vassos, E., Collier, D. A., & Fazel, S. (2014). Systematic meta-analyses and field synopsis of genetic association studies of violence and aggression. *Molecular Psychiatry, 19*(4), 471-477. doi:https://doi.org/10.1038/mp.2013.31

Veroude, K., Zhang-James, Y., Fernàndez-Castillo, N., Bakker, M. J., Cormand, B., & Faraone, S. V. (2016). Genetics of aggressive behavior: An overview. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 171*(1), 3-43. doi:https://doi.org/10.1002/ajmg.b.32364

Vidal-Ribas, P., Brotman, M. A., Valdivieso, I., Leibenluft, E., & Stringaris, A. (2016). The status of irritability in psychiatry: a conceptual and quantitative review. *Journal of the American Academy of Child & Adolescent Psychiatry, 55*(7), 556-570. doi:10.1016/j.jaac.2016.04.014

Viding, E., Hanscombe, K. B., Curtis, C. J. C., Davis, O. S. P., Meaburn, E. L., & Plomin, R. (2010). In search of genes associated with risk for psychopathic tendencies in children: a two-stage genome-wide association study of pooled DNA: Genome-wide association study of psychopathic tendencies. *Journal of Child Psychology and Psychiatry, 51*(7), 780-788. doi:https://doi.org/10.1111/j.1469-7610.2010.02236.x

Vink, J. M., Bartels, M., van Beijsterveldt, T. C. E. M., van Dongen, J., van Beek, J. H. D. A., Distel, M. A., . . . Boomsma, D. I. (2012). Sex Differences in Genetic Architecture of Complex Phenotypes? *PLoS One, 7*(12), e47371. doi:https://doi.org/10.1371/journal.pone.0047371

Visscher, P. M., Wray, N. R., Zhang, Q., Sklar, P., McCarthy, M. I., Brown, M. A., & Yang, J. (2017). 10 Years of GWAS Discovery: Biology, Function, and Translation. *The American Journal of Human Genetics, 101*(1), 5-22. doi:https://doi.org/10.1016/j.ajhg.2017.06.005

Vitaro, F., Brendgen, M., & Barker, E. D. (2006). Subtypes of aggressive behaviors: A developmental perspective. *International Journal of Behavioral Development, 30*(1), 12-19. doi:10.1177/0165025406059968

Voulgaridou, I., & Kokkinos, C. M. (2015). Relational aggression in adolescents: A review of theoretical and empirical research. *Aggression and Violent Behavior, 23*, 87-97.

Vuoksimaa, E., Rose, R. J., Pulkkinen, L., Palviainen, T., Rimfeld, K., Lundström, S., . . . de Zeeuw, E. L. (2020). Higher aggression is related to poorer academic performance in compulsory education. *Journal of Child Psychology and Psychiatry*.

Wakschlag, L. S., & Keenan, K. (2001). Clinical Significance and Correlates of Disruptive Behavior in Environmentally At-Risk Preschoolers. *Journal of Clinical Child & Adolescent Psychology, 30*(2), 262-275. doi:10.1207/S15374424JCCP3002_13

Waltes, R., Chiocchetti, A. G., & Freitag, C. M. (2015). The neurobiological basis of human aggression: A review on genetic and epigenetic mechanisms. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, n/a-n/a. doi:10.1002/ajmg.b.32388

Waltes, R., Chiocchetti, A. G., & Freitag, C. M. (2016). The Neurobiological Basis of Human Aggression: A Review on Genetic and Epigenetic Mechanisms. *American Journal of Medical Genetics Part B-Neuropsychiatric Genetics, 171*(5), 650-675. doi:10.1002/ajmg.b.32388

Warrack, B. M., Hnatyshyn, S., Ott, K.-H., Reily, M. D., Sanders, M., Zhang, H., & Drexler, D. M. (2009). Normalization strategies for metabonomic analysis of urine samples. *Journal of Chromatography B, 877*(5-6), 547-552. doi:https://doi.org/10.1016/j.jchromb.2009.01.007

Wertz, J. (2019). Using Parent's Past to Predict Children's Future: Testing Parental History of Mental Disorders as a Predictor of Outcomes in Children With Disruptive Behavior. *J Am Acad Child Adolesc Psychiatry.*

Wertz, J., Agnew-Blais, J., Caspi, A., Danese, A., Fisher, H. L., Goldman-Mellor, S., . . . Arseneault, L. (2018). From Childhood Conduct Problems to Poor Functioning at Age 18 Years: Examining Explanations in a Longitudinal Cohort Study. *Journal of the American Academy of Child & Adolescent Psychiatry, 57*(1), 54-60.e54. doi:https://doi.org/10.1016/j.jaac.2017.09.437

Wesseldijk, L. W., Dieleman, G. C., van Steensel, F. J. A., Bleijenberg, E. J., Bartels, M., Bögels, S. M., & Middeldorp, C. M. (2018). Do Parental Psychiatric Symptoms Predict Outcome in Children With Psychiatric Disorders? A Naturalistic Clinical Study. *Journal of the American Academy of Child & Adolescent Psychiatry.* doi:https://doi.org/10.1016/j.jaac.2018.05.017

Wesselhoeft, R., Stringaris, A., Sibbersen, C., Kristensen, R. V., Bojesen, A. B., & Talati, A. (2019). Dimensions and subtypes of oppositionality and their relation to comorbidity and psychosocial characteristics. *European Child & Adolescent Psychiatry, 28*(3), 351-365. doi:10.1007/s00787-018-1199-8

Whipp, A., Vuoksimaa, E., Bolhuis, K., de Zeeuw, E., Korhonen, T., Mauri, M., . . . Boomsma, D. (2019). Teacher-rated aggression and co-occurring problems and behaviors among schoolchildren: A comparison of four population-based European cohorts. In: Epidemiology.

Wild, C. P. (2005). Complementing the Genome with an "Exposome": The Outstanding Challenge of Environmental Exposure Measurement in Molecular Epidemiology. *Cancer Epidemiology Biomarkers & Prevention, 14*(8), 1847-1850. doi:10.1158/1055-9965.EPI-05-0456

Willner, P. (2015). The neurobiology of aggression: implications for the pharmacotherapy of aggressive challenging behaviour by people with intellectual disabilities. *Journal of Intellectual Disability Research, 59*(1), 82-92. doi:10.1111/jir.12120

Wolff, J. C., & Ollendick, T. H. (2006). The comorbidity of conduct problems and depression in childhood and adolescence. *Clinical Child and Family Psychology Review, 9*(3-4), 201-220.

World Health Organization. (2018). International classification of diseases for mortality and morbidity statistics (11th Revision).

Wright, J. C., Giammarino, M., & Parad, H. W. (1986). Social status in small groups: Individual–group similarity and the social "misfit.". *Journal of Personality and Social Psychology, 50*(3), 523-536. doi:https://doi.org/10.1037/0022-3514.50.3.523

Wurpts, I. C., & Geiser, C. (2014). Is adding more indicators to a latent class analysis beneficial or detrimental? Results of a Monte-Carlo study. *Frontiers in Psychology, 5*(920). doi:10.3389/fpsyg.2014.00920

Wyss, M., & Kaddurah-Daouk, R. (2000). Creatine and Creatinine Metabolism. *Physiological Reviews, 80*(3), 1107-1213. doi:https://doi.org/10.1186/cc12534

Xie, R., Xie, H., Krewski, D., & He, G. (2018). Plasma concentrations of neurotransmitters and postpartum depression. *Zhong Nan Da Xue Xue Bao Yi Xue Ban, 43*(3), 274-281.

Yang, J., Chen, T., Sun, L., Zhao, Z., Qi, X., Zhou, K., . . . Wan, C. (2013). Potential metabolite markers of schizophrenia. *Molecular Psychiatry, 18*(1), 67-78. doi:https://doi.org/10.1038/mp.2011.131

Young, S. E., Smolen, A., Hewitt, J. K., Haberstick, B. C., Stallings, M. C., Corley, R. P., & Crowley, T. J. (2006). Interaction Between MAO-A Genotype and Maltreatment in the Risk for Conduct Disorder: Failure to Confirm in Adolescent Patients. *American Journal of Psychiatry, 163*(6), 1019-1025.

Zahn-Waxler, C., Shirtcliff, E. A., & Marceau, K. (2008). Disorders of Childhood and Adolescence: Gender and Psychopathology. *Annual Review of Clinical Psychology, 4*(1), 275-303. doi:10.1146/annurev.clinpsy.3.022806.091358

Zhang-James, Y., & Faraone, S. V. (2016). Genetic architecture for human aggression: A study of gene-phenotype relationship in OMIM. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 171*(5), 641-649 %U http://doi.wiley.com/610.1002/ajmg.b.32363.

Zhang-James, Y., Fernàndez-Castillo, N., Hess, J. L., Malki, K., Glatt, S. J., Cormand, B., & Faraone, S. V. (2019). An integrated analysis of genes and functional pathways for aggression in human and rodent models. *Molecular Psychiatry, 24*(11), 1655-1667. doi:https://doi.org/10.1038/s41380-018-0068-7

Zhu, Z., Zhang, F., Hu, H., Bakshi, A., Robinson, M. R., Powell, J. E., . . . Yang, J. (2016). Integration of summary data from GWAS and eQTL studies predicts complex trait gene targets. *Nature Genetics, 48*(5), 481-487. doi:https://doi.org/10.1038/ng.3538