# Catherine L Davis

List of Publications by Year
in descending order



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|---|---|---|---|
| 62 papers | 4,914 citations | 126708 33 h-index | 133063 59 g-index |
| 63 all docs | 63 docs citations | 63 times ranked | 6372 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Exercise improves executive function and achievement and alters brain activation in overweight children: A randomized, controlled trial.. Health Psychology, 2011, 30, 91-98. | 1.3 | 636 |
| 2 | Exercise and Childrenâ€™s Intelligence, Cognition, and Academic Achievement. Educational Psychology Review, 2008, 20, 111-131. | 5.1 | 558 |
| 3 | Validation of the insulin sensitivity index (ISI0,120): comparison with other measures. Diabetes Research and Clinical Practice, 2000, 47, 177-184. | 1.1 | 404 |
| 4 | Obesity Elicits Interleukin 1-Mediated Deficits in Hippocampal Synaptic Plasticity. Journal of Neuroscience, 2014, 34, 2618-2631. | 1.7 | 235 |
| 5 | Parenting Styles, Regimen Adherence, and Glycemic Control in 4- to 10-Year-Old Children With Diabetes. Journal of Pediatric Psychology, 2001, 26, 123-129. | 1.1 | 179 |
| 6 | Exercise Dose and Diabetes Risk in Overweight and Obese Children. JAMA - Journal of the American Medical Association, 2012, 308, 1103. | 3.8 | 179 |
| 7 | Effects of Aerobic Exercise on Overweight Children's Cognitive Functioning. Research Quarterly for Exercise and Sport, 2007, 78, 510-519. | 0.8 | 176 |
| 8 | Ten Months of Exercise Improves General and Visceral Adiposity, Bone, and Fitness in Black Girls. Obesity, 2007, 15, 2077-2085. | 1.5 | 155 |
| 9 | Disordered Eating Behavior in Individuals With Diabetes. Diabetes Care, 2010, 33, 683-689. | 4.3 | 145 |
| 10 | An 8â€‐month randomized controlled exercise trial alters brain activation during cognitive tasks in overweight children. Obesity, 2014, 22, 232-242. | 1.5 | 140 |
| 11 | Leukocyte Telomere Length in Healthy Caucasian and African-American Adolescents: Relationships with Race, Sex, Adiposity, Adipokines, and Physical Activity. Journal of Pediatrics, 2011, 158, 215-220. | 0.9 | 139 |
| 12 | Fitness, fatness, cognition, behavior, and academic achievement among overweight children: Do cross-sectional associations correspond to exercise trial outcomes?. Preventive Medicine, 2011, 52, S65-S69. | 1.6 | 126 |
| 13 | Effects of Aerobic Exercise on Overweight Children's Cognitive Functioning: A Randomized Controlled Trial. Research Quarterly for Exercise and Sport, 2007, 78, 510-519. | 0.8 | 119 |
| 14 | A whole brain volumetric approach in overweight/obese children: Examining the association with different physical fitness components and academic performance. The ActiveBrains project. NeuroImage, 2017, 159, 346-354. | 2.1 | 113 |
| 15 | Greater Fructose Consumption Is Associated with Cardiometabolic Risk Markers and Visceral Adiposity in Adolescents3. Journal of Nutrition, 2012, 142, 251-257. | 1.3 | 99 |
| 16 | An 8â€‐month exercise intervention alters frontotemporal white matter integrity in overweight children. Psychophysiology, 2014, 51, 728-733. | 1.2 | 99 |
| 17 | Improved Frontoparietal White Matter Integrity in Overweight Children Is Associated with Attendance at an After-School Exercise Program. Developmental Neuroscience, 2014, 36, 1-9. | 1.0 | 90 |
| 18 | Lower bone mass in prepubertal overweight children with prediabetes. Journal of Bone and Mineral Research, 2010, 25, 2760-2769. | 3.1 | 84 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Adolescent Obesity, Bone Mass, and Cardiometabolic Risk Factors. Journal of Pediatrics, 2011, 158, 727-734. | 0.9 | 79 |
| 20 | Utility of waist circumference percentile for risk evaluation in obese children. Pediatric Obesity, 2010, 5, 97-101. | 3.2 | 72 |
| 21 | Lower Uncarboxylated Osteocalcin Concentrations in Children with Prediabetes Is Associated with Î²-Cell Function. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E1092-E1099. | 1.8 | 68 |
| 22 | Task Switching in Overweight Children: Effects of Acute Exercise and Age. Journal of Sport and Exercise Psychology, 2008, 30, 497-511. | 0.7 | 65 |
| 23 | An eight month randomized controlled exercise intervention alters resting state synchrony in overweight children. Neuroscience, 2014, 256, 445-455. | 1.1 | 60 |
| 24 | Prevalence of Cardiovascular Risk Factors in Schoolchildren in a Rural Georgia Community. American Journal of the Medical Sciences, 2005, 330, 53-59. | 0.4 | 58 |
| 25 | Exercise Effects on Depressive Symptoms and Self-Worth in Overweight Children: A Randomized Controlled Trial. Journal of Pediatric Psychology, 2009, 34, 929-939. | 1.1 | 58 |
| 26 | Cardiovascular (CV) responsivity and recovery to acute stress and future CV functioning in youth with family histories of CV disease: a 4-year longitudinal study. International Journal of Psychophysiology, 2001, 41, 65-74. | 0.5 | 56 |
| 27 | History of Gestational Diabetes, Insulin Resistance and Coronary Risk. Journal of Diabetes and Its Complications, 1999, 13, 216-223. | 1.2 | 52 |
| 28 | Insulin Resistance Syndrome and Left Ventricular Mass in Healthy Young People. American Journal of the Medical Sciences, 2002, 324, 72-75. | 0.4 | 49 |
| 29 | Correlates of hypoglycemic fear in type I and type II diabetes mellitus. Health Psychology, 1992, 11, 199-202. | 1.3 | 47 |
| 30 | Aerobic Exercise and Snoring in Overweight Children: A Randomized Controlled Trial. Obesity, 2006, 14, 1985-1991. | 1.5 | 43 |
| 31 | Physical Activity, Metabolic Syndrome, and Overweight in Rural Youth. Journal of Rural Health, 2008, 24, 136-142. | 1.6 | 42 |
| 32 | Randomized Controlled Trial of Exercise for ADHD and Disruptive Behavior Disorders. Medicine and Science in Sports and Exercise, 2016, 48, 1397-1407. | 0.2 | 42 |
| 33 | Heritabilities of lipids in young European American and African American twins. Twin Research and Human Genetics, 2005, 8, 492-8. | 0.3 | 33 |
| 34 | Whole-Body Vibration Mimics the Metabolic Effects of Exercise in Male Leptin Receptorâ€“Deficient Mice. Endocrinology, 2017, 158, 1160-1171. | 1.4 | 32 |
| 35 | Aerobic Fitness Thresholds Associated with Fifth Grade Academic Achievement. American Journal of Health Education, 2010, 41, 284-291. | 0.3 | 31 |
| 36 | Oxidative Stress and Cardiovascular Risk in Overweight Children in an Exercise Intervention Program. Childhood Obesity, 2013, 9, 15-21. | 0.8 | 28 |

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|---|---|---|---|
| 37 | The role of DNA methylation in the association between childhood adversity and cardiometabolic disease. International Journal of Cardiology, 2018, 255, 168-174. | 0.8 | 26 |
| 38 | Aerobic Exercise Program Reduces Anger Expression among Overweight Children. Pediatric Exercise Science, 2008, 20, 390-401. | 0.5 | 24 |
| 39 | Physical Activity Interventions for Neurocognitive and Academic Performance in Overweight and Obese Youth. Pediatric Clinics of North America, 2016, 63, 459-480. | 0.9 | 24 |
| 40 | Passive Smoke Exposure and Its Effects on Cognition, Sleep, and Health Outcomes in Overweight and Obese Children. Childhood Obesity, 2016, 12, 119-125. | 0.8 | 23 |
| 41 | Exercise effects on arterial stiffness and heart health in children with excess weight: The SMART RCT. International Journal of Obesity, 2020, 44, 1152-1163. | 1.6 | 23 |
| 42 | Exercise effects on quality of life, mood, and self-worth in overweight children: the SMART randomized controlled trial. Translational Behavioral Medicine, 2019, 9, 451-459. | 1.2 | 21 |
| 43 | Heritabilities of Lipids in Young European American and African American Twins. Twin Research and Human Genetics, 2005, 8, 492-498. | 0.3 | 19 |
| 44 | Independent Associations of Organized Physical Activity and Weight Status with Childrenâ€™s Cognitive Functioning: A Matched-Pairs Design. Pediatric Exercise Science, 2015, 27, 477-487. | 0.5 | 19 |
| 45 | Society of Behavioral Medicine position statement: elementary school-based physical activity supports academic achievement. Translational Behavioral Medicine, 2014, 4, 436-438. | 1.2 | 16 |
| 46 | The relationship between uncinate fasciculus white matter integrity and verbal memory proficiency in children. NeuroReport, 2014, 25, 921-925. | 0.6 | 16 |
| 47 | Group Physical Activity Intervention for Childhood Cancer Survivors: A Pilot Study. Journal of Physical Activity and Health, 2016, 13, 352-359. | 1.0 | 16 |
| 48 | Physician-Directed Primary Care Intervention to Reduce Risk Factors for Type 2 Diabetes in High-Risk Youth. American Journal of the Medical Sciences, 2006, 332, 108-111. | 0.4 | 15 |
| 49 | Endothelial Health in Childhood Acute Lymphoid Leukemia Survivors. Journal of Pediatric Hematology/Oncology, 2015, 37, 117-120. | 0.3 | 13 |
| 50 | Prevention of diabetes in overweight/obese children through a family based intervention program including supervised exercise (PREDIKID project): study protocol for a randomized controlled trial. Trials, 2017, 18, 372. | 0.7 | 13 |
| 51 | Adiposity, Physical Activity and Sedentary Time in Overweight Children With and Without Hepatic Steatosis. Medicine and Science in Sports and Exercise, 2017, 49, 1022. | 0.2 | 12 |
| 52 | Genetic and environmental determinants of lipid profile in black and white youth: a study of four candidate genes. Ethnicity and Disease, 2005, 15, 568-77. | 1.0 | 11 |
| 53 | Fitness, Sleep-Disordered Breathing, Symptoms of Depression, and Cognition in Inactive Overweight Children: Mediation Models. Public Health Reports, 2017, 132, 65S-73S. | 1.3 | 8 |
| 54 | Exercise and Academic Performance Among Children With Attention-Deficit Hyperactivity Disorder and Disruptive Behavior Disorders: A Randomized Controlled Trial. Pediatric Exercise Science, 2020, 32, 140-149. | 0.5 | 8 |

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|---|---|---|---|
| 55 | Exercise and Cognition in Children. , 0, , 249-267. | | 4 |
| 56 | A Test of Learned Industriousness in the Physical Activity Domain. International Journal of Psychological Studies, 2014, 6, 12-25. | 0.1 | 3 |
| 57 | Antisaccade-related brain activation in children with attention-deficit/hyperactivity disorder â€“ A pilot study. Psychiatry Research - Neuroimaging, 2015, 234, 272-279. | 0.9 | 3 |
| 58 | Device-Based Movement Behaviors, Executive Function, and Academic Skills among African American Children with ADHD and Disruptive Behavior Disorders. International Journal of Environmental Research and Public Health, 2022, 19, 4032. | 1.2 | 3 |
| 59 | Undetected Hypertension and Prehypertension in Children with Diabetes Need Attention. Journal of Pediatrics, 2010, 157, 182-184. | 0.9 | 1 |
| 60 | The Effect of Regular Exercise on Cognition in Special Populations of Children. , 2016, , 435-457. | | 1 |
| 61 | Cheerful, but dated. Trends in Endocrinology and Metabolism, 2003, 14, 153-154. | 3.1 | 0 |
| 62 | Exercise for Overweight Children and Diabetes Riskâ€”Reply. JAMA - Journal of the American Medical Association, 2013, 309, 133. | 3.8 | 0 |