

# David N Kennedy

## List of Publications by Year in descending order

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Version: 2024-02-01

100  
papers

17,258  
citations

94415

37  
h-index

42393

92  
g-index

105  
all docs

105  
docs citations

105  
times ranked

22022  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Whole Brain Segmentation. <i>Neuron</i> , 2002, 33, 341-355.   | 8.1  | 7,404     |
| 2  | A Bayesian model of shape and appearance for subcortical brain segmentation. <i>NeuroImage</i> , 2011, 56, 907-922.  | 4.2  | 1,937     |
| 3  | Family income, parental education and brain structure in children and adolescents. <i>Nature Neuroscience</i> , 2015, 18, 773-778.   | 14.8 | 979       |
| 4  | A Functional MRI Study of Subjects Recovered From Hemiparetic Stroke. <i>Stroke</i> , 1997, 28, 2518-2527.   | 2.0  | 858       |
| 5  | Structural Brain Magnetic Resonance Imaging of Limbic and Thalamic Volumes in Pediatric Bipolar Disorder. <i>American Journal of Psychiatry</i> , 2005, 162, 1256-1265.                            | 7.2  | 624       |
| 6  | Functional cerebral imaging by susceptibility-contrast NMR. <i>Magnetic Resonance in Medicine</i> , 1990, 14, 538-546.   | 3.0  | 507       |
| 7  | Neuroanatomical Assessment of Biological Maturity. <i>Current Biology</i> , 2012, 22, 1693-1698.   | 3.9  | 328       |
| 8  | MRI-Based Topographic Parcellation of Human Neocortex: An Anatomically Specified Method with Estimate of Reliability. <i>Journal of Cognitive Neuroscience</i> , 1996, 8, 566-587.                 | 2.3  | 277       |
| 9  | The Pediatric Imaging, Neurocognition, and Genetics (PING) Data Repository. <i>NeuroImage</i> , 2016, 124, 1149-1154.  | 4.2  | 251       |
| 10 | Left Hippocampal Volume as a Vulnerability Indicator for Schizophrenia. <i>Archives of General Psychiatry</i> , 2002, 59, 839.   | 12.3 | 237       |
| 11 | A Twin MRI Study of Size Variations in the Human Brain. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 223-232.  | 2.3  | 229       |
| 12 | Data sharing in neuroimaging research. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 9.  | 2.5  | 219       |
| 13 | The Neuroscience Information Framework: A Data and Knowledge Environment for Neuroscience. <i>Neuroinformatics</i> , 2008, 6, 149-160.   | 2.8  | 189       |
| 14 | Connectivity in Autism. <i>Harvard Review of Psychiatry</i> , 2015, 23, 223-244.   | 2.1  | 184       |
| 15 | An evaluation of four automatic methods of segmenting the subcortical structures in the brain. <i>NeuroImage</i> , 2009, 47, 1435-1447.  | 4.2  | 180       |
| 16 | Motion detection and correction in functional MR imaging. <i>Human Brain Mapping</i> , 1995, 3, 224-235.   | 3.6  | 176       |
| 17 | The NIH Toolbox Cognition Battery: Results from a large normative developmental sample (PING).. <i>Neuropsychology</i> , 2014, 28, 1-10.   | 1.3  | 163       |
| 18 | New human-specific brain landmark: The depth asymmetry of superior temporal sulcus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1208-1213. | 7.1  | 157       |

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|----|---|-----|-----------|
| 19 | Magnetic resonance imaging-based brain morphometry: Development and application to normal subjects. <i>Annals of Neurology</i> , 1989, 25, 61-67.   | 5.3 | 145       |
| 20 | Cocaine Decreases Cortical Cerebral Blood Flow but Does Not Obscure Regional Activation in Functional Magnetic Resonance Imaging in Human Subjects. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 724-734. | 4.3 | 120       |
| 21 | Reduced subcortical brain volumes in nonpsychotic siblings of schizophrenic patients: A pilot magnetic resonance imaging study. , 1997, 74, 507-514.  |     | 118       |
| 22 | Meaningful associations in the adolescent brain cognitive development study. <i>NeuroImage</i> , 2021, 239, 118262.   | 4.2 | 108       |
| 23 | Diagnostic and Sex Effects on Limbic Volumes in Early-Onset Bipolar Disorder and Schizophrenia. <i>Schizophrenia Bulletin</i> , 2007, 34, 37-46.  | 4.3 | 101       |
| 24 | The selective impairment of the perception of first-order motion by unilateral cortical brain damage. <i>Visual Neuroscience</i> , 1998, 15, 333-348.   | 1.0 | 89        |
| 25 | Everything Matters: The ReproNim Perspective on Reproducible Neuroimaging. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 1.  | 2.5 | 88        |
| 26 | Towards Effective and Rewarding Data Sharing. <i>Neuroinformatics</i> , 2003, 1, 289-296.   | 2.8 | 78        |
| 27 | Neuroanatomical Segmentation in MRI: Technological Objectives. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 1997, 11, 1161-1187.   | 1.2 | 72        |
| 28 | DataLad: distributed system for joint management of code, data, and their relationship. <i>Journal of Open Source Software</i> , 2021, 6, 3262.   | 4.6 | 71        |
| 29 | Human Cerebellum: Surface-Assisted Cortical Parcellation and Volumetry with Magnetic Resonance Imaging. <i>Journal of Cognitive Neuroscience</i> , 2003, 15, 584-599.   | 2.3 | 70        |
| 30 | The NITRC image repository. <i>NeuroImage</i> , 2016, 124, 1069-1073.   | 4.2 | 70        |
| 31 | Perception of first- and second-order motion: Separable neurological mechanisms?. <i>Human Brain Mapping</i> , 1999, 7, 67-77.  | 3.6 | 64        |
| 32 | Gray matter maturation and cognition in children with different <i>APOE</i> $\epsilon$ genotypes. <i>Neurology</i> , 2016, 87, 585-594.   | 1.1 | 62        |
| 33 | A data citation roadmap for scholarly data repositories. <i>Scientific Data</i> , 2019, 6, 28.  | 5.3 | 59        |
| 34 | Association of common genetic variants in GPCPD1 with scaling of visual cortical surface area in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3985-3990.       | 7.1 | 50        |
| 35 | Larger brain and white matter volumes in children with developmental language disorder. <i>Developmental Science</i> , 2003, 6, F11.  | 2.4 | 49        |
| 36 | CANDIShare: A Resource for Pediatric Neuroimaging Data. <i>Neuroinformatics</i> , 2012, 10, 319-322.  | 2.8 | 49        |

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|----|--|-----|-----------|
| 37 | The Resource Identification Initiative: A cultural shift in publishing. F1000Research, 2015, 4, 134.   | 1.6 | 47        |
| 38 | Duration of Untreated Psychosis Is Associated with Temporal and Occipitotemporal Gray Matter Volume Decrease in Treatment Na <sup>+</sup> -ve Schizophrenia. PLoS ONE, 2013, 8, e83679.                  | 2.5 | 44        |
| 39 | Anxiety is related to indices of cortical maturation in typically developing children and adolescents. Brain Structure and Function, 2016, 221, 3013-3025.   | 2.3 | 43        |
| 40 | The Resource Identification Initiative: A cultural shift in publishing. F1000Research, 2015, 4, 134.   | 1.6 | 42        |
| 41 | Serum levels of BDNF, folate and homocysteine: In relation to hippocampal volume and psychopathology in drug na <sup>+</sup> -ve, first episode schizophrenia. Schizophrenia Research, 2014, 159, 51-55. | 2.0 | 40        |
| 42 | Genome-Wide Association Study of Proneness to Anger. PLoS ONE, 2014, 9, e87257.  | 2.5 | 40        |
| 43 | Decreased cortical thickness in drug na <sup>+</sup> -ve first episode schizophrenia: In relation to serum levels of BDNF. Journal of Psychiatric Research, 2015, 60, 22-28.                             | 3.1 | 34        |
| 44 | Neuroimaging Informatics Tools and Resources Clearinghouse (NITRC) Resource Announcement. Neuroinformatics, 2009, 7, 55-56.  | 2.8 | 33        |
| 45 | The Resource Identification Initiative: A cultural shift in publishing. Journal of Comparative Neurology, 2016, 524, 8-22.   | 1.6 | 32        |
| 46 | Understanding the impact of preprocessing pipelines on neuroimaging cortical surface analyses. GigaScience, 2021, 10, .  | 6.4 | 32        |
| 47 | Dyslexia and language impairment associated genetic markers influence cortical thickness and white matter in typically developing children. Brain Imaging and Behavior, 2016, 10, 272-282.               | 2.1 | 27        |
| 48 | Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. Neuron, 2021, 109, 1769-1775.   | 8.1 | 27        |
| 49 | The Resource Identification Initiative: A Cultural Shift in Publishing. Neuroinformatics, 2016, 14, 169-182.   | 2.8 | 26        |
| 50 | A Standards Organization for Open and FAIR Neuroscience: the International Neuroinformatics Coordinating Facility. Neuroinformatics, 2022, 20, 25-36.  | 2.8 | 26        |
| 51 | Basic principles of MRI and morphometry studies of human brain development. Developmental Science, 2002, 5, 268-278.   | 2.4 | 24        |
| 52 | Functional asymmetry of thalamocortical networks in subjects at ultra-high risk for psychosis and first-episode schizophrenia. European Neuropsychopharmacology, 2019, 29, 519-528.                      | 0.7 | 24        |
| 53 | MRI-based morphometric analysis of typical and atypical brain development. Mental Retardation and Developmental Disabilities Research Reviews, 2003, 9, 155-160.   | 3.6 | 23        |
| 54 | Is Neuroscience FAIR? A Call for Collaborative Standardisation of Neuroscience Data. Neuroinformatics, 2022, 20, 507-512.  | 2.8 | 23        |

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|----|---|-----|-----------|
| 55 | Making Connections in the Connectome Era. <i>Neuroinformatics</i> , 2010, 8, 61-62.   | 2.8 | 21        |
| 56 | Data sharing and publishing in the field of neuroimaging. <i>GigaScience</i> , 2012, 1, 9.  | 6.4 | 21        |
| 57 | Decreased Functional Connectivity of Insular Cortex in Drug Naïve First Episode Schizophrenia: In Relation to Symptom Severity. <i>PLoS ONE</i> , 2017, 12, e0167242. | 2.5 | 16        |
| 58 | Making replication prestigious. <i>Behavioral and Brain Sciences</i> , 2018, 41, e131.  | 0.7 | 15        |
| 59 | Coordination Impairments Are Associated With Falling Among Older Adults. <i>Experimental Aging Research</i> , 2017, 43, 430-439.                                      | 1.2 | 14        |
| 60 | A very simple, re-executable neuroimaging publication. <i>F1000Research</i> , 2017, 6, 124.   | 1.6 | 14        |
| 61 | Editorial. <i>Neuroinformatics</i> , 2004, 2, 367-368.  | 2.8 | 13        |
| 62 | Introduction to the special issue on reproducibility in neuroimaging. <i>NeuroImage</i> , 2020, 218, 116357.  | 4.2 | 13        |
| 63 | Where's the Beef ? Missing Data in the Information Age. <i>Neuroinformatics</i> , 2006, 4, 271-274.   | 2.8 | 12        |
| 64 | A very simple, re-executable neuroimaging publication. <i>F1000Research</i> , 2017, 6, 124.   | 1.6 | 12        |
| 65 | Data Citation in Neuroimaging: Proposed Best Practices for Data Identification and Attribution. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 34.                  | 2.5 | 11        |
| 66 | The Benefits of Preparing Data for Sharing Even When You Don't. <i>Neuroinformatics</i> , 2012, 10, 223-224.  | 2.8 | 8         |
| 67 | Alpha band signatures of social synchrony. <i>Neuroscience Letters</i> , 2019, 699, 24-30.  | 2.1 | 8         |
| 68 | Tools Matter: Comparison of Two Surface Analysis Tools Applied to the ABIDE Dataset. <i>Research Ideas and Outcomes</i> , 0, 3, e13726.                               | 1.0 | 8         |
| 69 | WebParc: a tool for analysis of the topography and volume of stroke from MRI. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 215-228.            | 2.8 | 7         |
| 70 | Next Steps in Data Publishing. <i>Neuroinformatics</i> , 2011, 9, 317-320.  | 2.8 | 7         |
| 71 | The Three NITRCs: A Guide to Neuroimaging Neuroinformatics Resources. <i>Neuroinformatics</i> , 2015, 13, 383-386.  | 2.8 | 7         |
| 72 | Rhythmic Interlimb Coordination Impairments Are Associated With Mobility Limitations Among Older Adults. <i>Experimental Aging Research</i> , 2017, 43, 337-345.      | 1.2 | 7         |

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|----|--|-----|-----------|
| 73 | Review of Papers Describing Neuroinformatics Software. <i>Neuroinformatics</i> , 2009, 7, 211-212.   | 2.8 | 6         |
| 74 | Share and Share Alike. <i>Neuroinformatics</i> , 2003, 1, 211-214.   | 2.8 | 5         |
| 75 | Neuroinformatics and the Society for Neuroscience. <i>Neuroinformatics</i> , 2007, 5, 141-142.   | 2.8 | 5         |
| 76 | The Internet Brain Volume Database: A Public Resource for Storage and Retrieval of Volumetric Data. <i>Neuroinformatics</i> , 2012, 10, 129-140.   | 2.8 | 5         |
| 77 | Data Persistence Insurance. <i>Neuroinformatics</i> , 2014, 12, 361-363.   | 2.8 | 4         |
| 78 | Interacting with the National Database for Autism Research (NDAR) via the LONI Pipeline workflow environment. <i>Brain Imaging and Behavior</i> , 2015, 9, 89-103.   | 2.1 | 4         |
| 79 | Rhythmic Interlimb Coordination Impairments and the Risk for Developing Mobility Limitations. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw236.                               | 3.6 | 4         |
| 80 | Advanced Applications of MRI in Human Brain Science. <i>Keio Journal of Medicine</i> , 2000, 49, 66-73.  | 1.1 | 4         |
| 81 | Quantitative MRI Characterization of the Extremely Preterm Brain at Adolescence: Atypical versus Neurotypical Developmental Pathways. <i>Radiology</i> , 2022, , 210385.   | 7.3 | 4         |
| 82 | EM-ICP strategies for joint mean shape and correspondences estimation: Applications to statistical analysis of shape and of asymmetry. , 2011, , .   |     | 3         |
| 83 | Structure-centered portal for child psychiatry research. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 47.   | 2.5 | 3         |
| 84 | Distributed collaboration: the case for the enhancement of Brainspell™s interface. <i>GigaScience</i> , 2016, 5, .   | 6.4 | 3         |
| 85 | The Information Sharing Statement Grows Some Teeth. <i>Neuroinformatics</i> , 2017, 15, 113-114.   | 2.8 | 3         |
| 86 | Psychiatric Symptomatology, Mood Regulation, and Resting State Functional Connectivity of the Amygdala: Preliminary Findings in Youth With Mood Disorders and Childhood Trauma. <i>Frontiers in Psychiatry</i> , 2020, 11, 525064. | 2.6 | 3         |
| 87 | Recommendations for repositories and scientific gateways from a neuroscience perspective. <i>Scientific Data</i> , 2022, 9, 212.   | 5.3 | 3         |
| 88 | The Dark Matter of the Bibliome. <i>Neuroinformatics</i> , 2015, 13, 387-389.  | 2.8 | 2         |
| 89 | Mobile Monitoring of Traumatic Brain Injury in Older Adults: Challenges and Opportunities. <i>Neuroinformatics</i> , 2017, 15, 227-230.  | 2.8 | 2         |
| 90 | Neuroimaging Neuroinformatics: Sample Size and Other Evolutionary Topics. <i>Neuroinformatics</i> , 2018, 16, 149-150.   | 2.8 | 2         |

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|-----|---|-----|-----------|
| 91  | An assessment of the autism neuroimaging literature for the prospects of re-executability. F1000Research, 2020, 9, 1031.  | 1.6 | 2         |
| 92  | Data Citation and the Author Byline: Who's Line Is it Anyway?. Neuroinformatics, 2013, 11, 263-266.   | 2.8 | 1         |
| 93  | An assessment of the autism neuroimaging literature for the prospects of re-executability. F1000Research, 2020, 9, 1031.  | 1.6 | 1         |
| 94  | Biomarkers Based on Comprehensive Hierarchical EEG Coherence Analysis: Example Application to Social Competence in Autism (Preliminary Results). Neuroinformatics, 2021, , 1. | 2.8 | 1         |
| 95  | Perception of first- and second-order motion: Separable neurological mechanisms?. Human Brain Mapping, 1999, 7, 67-77.  | 3.6 | 1         |
| 96  | New Happenings at the NIH. Neuroinformatics, 2008, 6, 69-70.  | 2.8 | 0         |
| 97  | Musings of a Post-Stimulus Mind. Neuroinformatics, 2009, 7, 85-87.  | 2.8 | 0         |
| 98  | The Social Life of Data. Neuroinformatics, 2016, 14, 129-130.   | 2.8 | 0         |
| 99  | Farewell, Neuroinformatics!. Neuroinformatics, 2021, 19, 551-552.   | 2.8 | 0         |
| 100 | The Neuroimaging Data Model Linear Regression Tool (nidm_linreg): PyNIDM Project. F1000Research, 0, 11, 228.  | 1.6 | 0         |