

David B Keator

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

4,126
citations

186265

28
h-index

133252

59
g-index

77
all docs

77
docs citations

77
times ranked

7669
citing authors

#	ARTICLE	IF	CITATIONS
1	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. <i>Scientific Data</i> , 2016, 3, 160044.	5.3	1,038
2	Data sharing in neuroimaging research. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 9.	2.5	219
3	Function biomedical informatics research network recommendations for prospective multicenter functional MRI studies. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 39-54.	3.4	201
4	Increased dopamine activity associated with stuttering. <i>NeuroReport</i> , 1997, 8, 767-770.	1.2	188
5	A PET Study of the Pathophysiology of Negative Symptoms in Schizophrenia. <i>American Journal of Psychiatry</i> , 2002, 159, 227-237.	7.2	183
6	A phase1 study of stereotactic gene delivery of AAV2- β NGF for Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2014, 10, 571-581.	0.8	173
7	Brain metabolic and clinical effects of rivastigmine in Alzheimer's disease. <i>International Journal of Neuropsychopharmacology</i> , 2001, 4, 223-30.	2.1	139
8	Frontal Lobe Metabolic Decreases with Sleep Deprivation not Totally Reversed by Recovery Sleep. <i>Neuropsychopharmacology</i> , 2006, 31, 2783-2792.	5.4	138
9	Down Syndrome, Partial Trisomy 21, and Absence of Alzheimer's Disease: The Role of APP. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 459-470.	2.6	137
10	Gene discovery through imaging genetics: identification of two novel genes associated with schizophrenia. <i>Molecular Psychiatry</i> , 2009, 14, 416-428.	7.9	121
11	A National Human Neuroimaging Collaboratory Enabled by the Biomedical Informatics Research Network (BIRN). <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2008, 12, 162-172.	3.2	117
12	The Function Biomedical Informatics Research Network Data Repository. <i>NeuroImage</i> , 2016, 124, 1074-1079.	4.2	114
13	Tuning in to the Voices: A Multisite fMRI Study of Auditory Hallucinations. <i>Schizophrenia Bulletin</i> , 2009, 35, 58-66.	4.3	100
14	Association between mitochondrial DNA variations and Alzheimer's disease in the ADNI cohort. <i>Neurobiology of Aging</i> , 2010, 31, 1355-1363.	3.1	97
15	Genome-wide strategies for discovering genetic influences on cognition and cognitive disorders: Methodological considerations. <i>Cognitive Neuropsychiatry</i> , 2009, 14, 391-418.	1.3	93
16	SchizConnect: Mediating neuroimaging databases on schizophrenia and related disorders for large-scale integration. <i>NeuroImage</i> , 2016, 124, 1155-1167.	4.2	92
17	Everything Matters: The ReproNim Perspective on Reproducible Neuroimaging. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 1.	2.5	88
18	Enabling collaborative research using the Biomedical Informatics Research Network (BIRN). <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2011, 18, 416-422.	4.4	56

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19	Sleep deprivation PET correlations of Hamilton symptom improvement ratings with changes in relative glucose metabolism in patients with depression. <i>Journal of Affective Disorders</i> , 2008, 107, 181-186.	4.1	54
20	Sharing brain mapping statistical results with the neuroimaging data model. <i>Scientific Data</i> , 2016, 3, 160102.	5.3	53
21	XCEDE: An Extensible Schema for Biomedical Data. <i>Neuroinformatics</i> , 2012, 10, 19-32.	2.8	49
22	Federated Web-accessible Clinical Data Management within an Extensible Neuroimaging Database. <i>Neuroinformatics</i> , 2010, 8, 231-249.	2.8	44
23	A multi-scanner study of subcortical brain volume abnormalities in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2014, 222, 10-16.	1.8	39
24	Glucose metabolism in small subcortical structures in Parkinson's disease. <i>Acta Neurologica Scandinavica</i> , 2012, 125, 303-310.	2.1	36
25	A General XML Schema and SPM Toolbox for Storage of Neuro-Imaging Results and Anatomical Labels. <i>Neuroinformatics</i> , 2006, 4, 199-212.	2.8	35
26	Impact of playing American professional football on long-term brain function. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2011, 23, 98-106.	1.8	35
27	Alzheimer's-Related Cerebrovascular Disease in Down Syndrome. <i>Annals of Neurology</i> , 2020, 88, 1165-1177.	5.3	34
28	Aberrant Maturation of the Uncinate Fasciculus Follows Exposure to Unpredictable Patterns of Maternal Signals. <i>Journal of Neuroscience</i> , 2021, 41, 1242-1250.	3.6	31
29	Gender-Based Cerebral Perfusion Differences in 46,034 Functional Neuroimaging Scans. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 605-614.	2.6	30
30	Gender: a major determinant of brain response to nicotine. <i>International Journal of Neuropsychopharmacology</i> , 2005, 8, 17-26.	2.1	29
31	Derived Data Storage and Exchange Workflow for Large-Scale Neuroimaging Analyses on the BIRN Grid. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 30.	2.5	28
32	Does Anhedonia Presage Increased Risk of Posttraumatic Stress Disorder?. <i>Current Topics in Behavioral Neurosciences</i> , 2018, 38, 249-265.	1.7	25
33	Hostility differentiates the brain metabolic effects of nicotine. <i>Cognitive Brain Research</i> , 2004, 18, 142-148.	3.0	24
34	Brain metabolic effects of Neotrofin in patients with Alzheimer's disease. <i>Brain Research</i> , 2002, 951, 87-95.	2.2	23
35	Empirical derivation of the reference region for computing diagnostic sensitive 18fluorodeoxyglucose ratios in Alzheimer's disease based on the ADNI sample. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 457-466.	3.8	23
36	Is Neuroscience FAIR? A Call for Collaborative Standardisation of Neuroscience Data. <i>Neuroinformatics</i> , 2022, 20, 507-512.	2.8	23

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37	SchizConnect: Virtual Data Integration in Neuroimaging. Lecture Notes in Computer Science, 2015, 9162, 37-51.	1.3	21
38	D ₂ receptor occupancy following lurasidone treatment in patients with schizophrenia or schizoaffective disorder. CNS Spectrums, 2014, 19, 176-181.	1.2	20
39	A Method for Intertemporal Functional-Domain Connectivity Analysis: Application to Schizophrenia Reveals Distorted Directional Information Flow. IEEE Transactions on Biomedical Engineering, 2016, 63, 2525-2539.	4.2	20
40	Correlation of intellectual impairment in Parkinson's disease with FDG PET scan. NeuroReport, 2000, 11, 2139-2144.	1.2	16
41	Centering inclusivity in the design of online conferences" An OHBM"Open Science perspective. GigaScience, 2021, 10, .	6.4	14
42	A very simple, re-executable neuroimaging publication. F1000Research, 2017, 6, 124.	1.6	14
43	A very simple, re-executable neuroimaging publication. F1000Research, 2017, 6, 124.	1.6	12
44	One season of head-to-ball impact exposure alters functional connectivity in a central autonomic network. NeuroImage, 2020, 223, 117306.	4.2	11
45	Management of Information in Distributed Biomedical Collaboratories. Methods in Molecular Biology, 2009, 569, 1-23.	0.9	10
46	Neuroimaging for the Diagnosis and Study of Psychiatric Disorders [Life Sciences]. IEEE Signal Processing Magazine, 2007, 24, 112-117.	5.6	8
47	Down syndrome: Distribution of brain amyloid in mild cognitive impairment. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12013.	2.4	8
48	Feed-forward hierarchical model of the ventral visual stream applied to functional brain image classification. Human Brain Mapping, 2014, 35, 38-52.	3.6	6
49	Cognitive Function during the Prodromal Stage of Alzheimer's Disease in Down Syndrome: Comparing Models. Brain Sciences, 2021, 11, 1220.	2.3	6
50	Quality Assurance in Functional MRI. Biological Magnetic Resonance, 2015, , 245-270.	0.4	6
51	Terminology Development Towards Harmonizing Multiple Clinical Neuroimaging Research Repositories. Lecture Notes in Computer Science, 2015, 9162, 104-117.	1.3	6
52	Brain amyloid and the transition to dementia in Down syndrome. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12126.	2.4	4
53	Selective Impairment of Long-Range Default Mode Network Functional Connectivity as a Biomarker for Preclinical Alzheimer's Disease in People with Down Syndrome. Journal of Alzheimer's Disease, 2022, 85, 153-165.	2.6	3
54	Clinical and brain imaging effects of adjunctive high dose glycine with clozapine in schizophrenia. Schizophrenia Research, 1997, 24, 187-188.	2.0	2

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55	Infrastructure for sharing standardized clinical brain scans across hospitals. , 2011, , .		2
56	Functional Magnetic Resonance Imaging of Motor Cortex Activation in Schizophrenia. Journal of Korean Medical Science, 2015, 30, 625.	2.5	2
57	Crystal Identification in Positron Emission Tomography Using Probabilistic Graphical Models. IEEE Transactions on Nuclear Science, 2015, 62, 2102-2112.	2.0	2
58	A system architecture for sharing de-identified, research-ready brain scans and health information across clinical imaging centers. Studies in Health Technology and Informatics, 2012, 175, 19-28.	0.3	2
59	D1 alleles predict clinical response to clozapine and corresponding brain metabolism: A genetic PET scan study. Schizophrenia Research, 1997, 24, 92.	2.0	1
60	Case report: Significant quantitative MRI brain volumetric finding associated with electrical brain injury. Burns Open, 2018, 2, 154-159.	0.5	1
61	A Semantic Cross-Species Derived Data Management Application. Data Science Journal, 2017, 16, 45.	1.3	1
62	Joint label fusion brain atlases for dementia research in Down syndrome. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2022, 14, .	2.4	1
63	Fast 3-D motion correction using the characteristics of motion in rigid body. , 2008, , .		0
64	Commentary on "In silico modeling system: A national research resource for simulation of complex brain disorders", 2009, 5, 5-6.		0
65	DYNAMICS OF INTRINSIC CONNECTIVITY NETWORKS IN SCHIZOPHRENIA. Schizophrenia Research, 2014, 153, S12-S13.	2.0	0
66	Modality Neutral Techniques for Brain Image Understanding. Lecture Notes in Computer Science, 2012, , 84-92.	1.3	0
67	The Neuroimaging Data Model Linear Regression Tool (nidm_linreg): PyNIDM Project. F1000Research, 0, 11, 228.	1.6	0