David B Keator

List of Publications by Year
in descending order

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	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
2	Is Neuroscience FAIR? A Call for Collaborative Standardisation of Neuroscience Data. Neuroinformatics, 2022, 20, 507-512.	2.8	23
3	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
4	Centering inclusivity in the design of online conferences—An OHBM–Open Science perspective. GigaScience, 2021, 10, .	6.4	14
5	Cognitive Function during the Prodromal Stage of Alzheimer's Disease in Down Syndrome: Comparing Models. Brain Sciences, 2021, 11, 1220.	2.3	6
6	Aberrant Maturation of the Uncinate Fasciculus Follows Exposure to Unpredictable Patterns of Maternal Signals. Journal of Neuroscience, 2021, 41, 1242-1250.	3.6	31
7	One season of head-to-ball impact exposure alters functional connectivity in a central autonomic network. NeuroImage, 2020, 223, 117306.	4.2	11
8	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
9	Alzheimer-Related Cerebrovascular Disease in Down Syndrome. Annals of Neurology, 2020, 88, 1165-1177.	5.3	34
10	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
11	Everything Matters: The ReproNim Perspective on Reproducible Neuroimaging. Frontiers in Neuroinformatics, 2019, 13, 1.	2.5	88
12	Case report: Significant quantitative MRI brain volumetric finding associated with electrical brain injury. Burns Open, 2018, 2, 154-159.	0.5	1
13	Does Anhedonia Presage Increased Risk of Posttraumatic Stress Disorder?. Current Topics in Behavioral Neurosciences, 2018, 38, 249-265.	1.7	25
14	Down Syndrome, Partial Trisomy 21, and Absence of Alzheimer's Disease: The Role of APP. Journal of Alzheimer's Disease, 2017, 56, 459-470.	2.6	137
15	Gender-Based Cerebral Perfusion Differences in 46,034 Functional Neuroimaging Scans. Journal of Alzheimer's Disease, 2017, 60, 605-614.	2.6	30
16	A very simple, re-executable neuroimaging publication. F1000Research, 2017, 6, 124.	1.6	14
17	A very simple, re-executable neuroimaging publication. F1000Research, 2017, 6, 124.	1.6	12
18	A Semantic Cross-Species Derived Data Management Application. Data Science Journal, 2017, 16, 45.	1.3	1

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19	Sharing brain mapping statistical results with the neuroimaging data model. Scientific Data, 2016, 3, 160102.	5.3	53
20	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
21	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. Scientific Data, 2016, 3, 160044.	5.3	1,038
22	The Function Biomedical Informatics Research Network Data Repository. NeuroImage, 2016, 124, 1074-1079.	4.2	114
23	SchizConnect: Mediating neuroimaging databases on schizophrenia and related disorders for large-scale integration. NeuroImage, 2016, 124, 1155-1167.	4.2	92
24	Functional Magnetic Resonance Imaging of Motor Cortex Activation in Schizophrenia. Journal of Korean Medical Science, 2015, 30, 625.	2.5	2
25	Crystal Identification in Positron Emission Tomography Using Probabilistic Graphical Models. IEEE Transactions on Nuclear Science, 2015, 62, 2102-2112.	2.0	2
26	SchizConnect: Virtual Data Integration in Neuroimaging. Lecture Notes in Computer Science, 2015, 9162, 37-51.	1.3	21
27	Quality Assurance in Functional MRI. Biological Magnetic Resonance, 2015, , 245-270.	0.4	6
28	Terminology Development Towards Harmonizing Multiple Clinical Neuroimaging Research Repositories. Lecture Notes in Computer Science, 2015, 9162, 104-117.	1.3	6
29	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
30	A multi-scanner study of subcortical brain volume abnormalities in schizophrenia. Psychiatry Research - Neuroimaging, 2014, 222, 10-16.	1.8	39
31	DYNAMICS OF INTRINSIC CONNECTIVITY NETWORKS IN SCHIZOPHRENIA. Schizophrenia Research, 2014, 153, S12-S13.	2.0	0
32	A phase1 study of stereotactic gene delivery of AAV2â€NGF for Alzheimer's disease. Alzheimer's and Dementia, 2014, 10, 571-581.	0.8	173
33	D$_2$receptor occupancy following lurasidone treatment in patients with schizophrenia or schizoaffective disorder. CNS Spectrums, 2014, 19, 176-181.	1.2	20
34	Data sharing in neuroimaging research. Frontiers in Neuroinformatics, 2012, 6, 9.	2.5	219
35	Empirical derivation of the reference region for computing diagnostic sensitive 18fluorodeoxyglucose ratios in Alzheimer's disease based on the ADNI sample. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 457-466.	3.8	23
36	Function biomedical informatics research network recommendations for prospective multicenter functional MRI studies. Journal of Magnetic Resonance Imaging, 2012, 36, 39-54.	3.4	201

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37	Glucose metabolism in small subcortical structures in Parkinsonâ€™s disease. Acta Neurologica Scandinavica, 2012, 125, 303-310.	2.1	36
38	XCEDE: An Extensible Schema for Biomedical Data. Neuroinformatics, 2012, 10, 19-32.	2.8	49
39	Modality Neutral Techniques for Brain Image Understanding. Lecture Notes in Computer Science, 2012, , 84-92.	1.3	0
40	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
41	Enabling collaborative research using the Biomedical Informatics Research Network (BIRN). Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 416-422.	4.4	56
42	Infrastructure for sharing standardized clinical brain scans across hospitals. , 2011, , .		2
43	Impact of playing American professional football on long-term brain function. Journal of Neuropsychiatry and Clinical Neurosciences, 2011, 23, 98-106.	1.8	35
44	Association between mitochondrial DNA variations and Alzheimer's disease in the ADNI cohort. Neurobiology of Aging, 2010, 31, 1355-1363.	3.1	97
45	Federated Web-accessible Clinical Data Management within an Extensible NeuroImaging Database. Neuroinformatics, 2010, 8, 231-249.	2.8	44
46	Derived Data Storage and Exchange Workflow for Large-Scale Neuroimaging Analyses on the BIRN Grid. Frontiers in Neuroinformatics, 2009, 3, 30.	2.5	28
47	Genome-wide strategies for discovering genetic influences on cognition and cognitive disorders: Methodological considerations. Cognitive Neuropsychiatry, 2009, 14, 391-418.	1.3	93
48	Tuning in to the Voices: A Multisite fMRI Study of Auditory Hallucinations. Schizophrenia Bulletin, 2009, 35, 58-66.	4.3	100
49	Gene discovery through imaging genetics: identification of two novel genes associated with schizophrenia. Molecular Psychiatry, 2009, 14, 416-428.	7.9	121
50	Commentary on â€œIn silico modeling system: A national research resource for simulation of complex brain disordersâ€. , 2009, 5, 5-6.		0
51	Management of Information in Distributed Biomedical Collaboratories. Methods in Molecular Biology, 2009, 569, 1-23.	0.9	10
52	A National Human Neuroimaging Collaboratory Enabled by the Biomedical Informatics Research Network (BIRN). IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 162-172.	3.2	117
53	Sleep deprivation PET correlations of Hamilton symptom improvement ratings with changes in relative glucose metabolism in patients with depression. Journal of Affective Disorders, 2008, 107, 181-186.	4.1	54
54	Fast 3-D motion correction using the characteristics of motion in rigid body. , 2008, , .		0

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55	Neuroimaging for the Diagnosis and Study of Psychiatric Disorders [Life Sciences]. IEEE Signal Processing Magazine, 2007, 24, 112-117.	5.6	8
56	Frontal Lobe Metabolic Decreases with Sleep Deprivation not Totally Reversed by Recovery Sleep. Neuropsychopharmacology, 2006, 31, 2783-2792.	5.4	138
57	A General XML Schema and SPM Toolbox for Storage of Neuro-Imaging Results and Anatomical Labels. Neuroinformatics, 2006, 4, 199-212.	2.8	35
58	Gender: a major determinant of brain response to nicotine. International Journal of Neuropsychopharmacology, 2005, 8, 17-26.	2.1	29
59	Hostility differentiates the brain metabolic effects of nicotine. Cognitive Brain Research, 2004, 18, 142-148.	3.0	24
60	A PET Study of the Pathophysiology of Negative Symptoms in Schizophrenia. American Journal of Psychiatry, 2002, 159, 227-237.	7.2	183
61	Brain metabolic effects of Neotrofin in patients with Alzheimer's disease. Brain Research, 2002, 951, 87-95.	2.2	23
62	Brain metabolic and clinical effects of rivastigmine in Alzheimer's disease. International Journal of Neuropsychopharmacology, 2001, 4, 223-30.	2.1	139
63	Correlation of intellectual impairment in Parkinson¼s disease with FDG PET scan. NeuroReport, 2000, 11, 2139-2144.	1.2	16
64	Increased dopamine activity associated with stuttering. NeuroReport, 1997, 8, 767-770.	1.2	188
65	D1 alleles predict clinical response to clozapine and corresponding brain metabolism: A genetic PET scan study. Schizophrenia Research, 1997, 24, 92.	2.0	1
66	Clinical and brain imaging effects of adjunctive high dose glycine with clozapine in schizophrenia. Schizophrenia Research, 1997, 24, 187-188.	2.0	2
67	The Neuroimaging Data Model Linear Regression Tool (nidm_linreg): PyNIDM Project. F1000Research, 0, 11, 228.	1.6	0