Eugene P Duff

List of Publications by Year
in descending order

55 papers	6,052 citations	172207 29 h-index	174990 52 g-index
77 all docs	77 docs citations	77 times ranked	9676 citing authors

#	Article	IF	Citations
1	Resting-state fMRI in the Human Connectome Project. NeuroImage, 2013, 80, 144-168.	2.1	1,367
2	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. Scientific Data, 2016, 3, 160044.	2.4	1,038
3	Hand classification of fMRI ICA noise components. NeuroImage, 2017, 154, 188-205.	2.1	428
4	The developing human connectome project: A minimal processing pipeline for neonatal cortical surface reconstruction. NeuroImage, 2018, 173, 88-112.	2.1	315
5	A common brain network links development, aging, and vulnerability to disease. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17648-17653.	3.3	268
6	Pain sensitivity and fMRI pain-related brain activity in Alzheimer's disease. Brain, 2006, 129, 2957-2965.	3.7	197
7	Functional connectivity in the basal ganglia network differentiates PD patients from controls. Neurology, 2014, 83, 208-214.	1.5	159
8	Disintegration of Sensorimotor Brain Networks in Schizophrenia. Schizophrenia Bulletin, 2015, 41, 1326-1335.	2.3	146
9	The power of spectral density analysis for mapping endogenous BOLD signal fluctuations. Human Brain Mapping, 2008, 29, 778-790.	1.9	139
10	The brain functional connectome is robustly altered by lack of sleep. NeuroImage, 2016, 127, 324-332.	2.1	107
11	Challenges and future directions for representations of functional brain organization. Nature Neuroscience, 2020, 23, 1484-1495.	7.1	99
12	Network-level reorganisation of functional connectivity following arm amputation. NeuroImage, 2015, 114, 217-225.	2.1	91
13	Investigations into within- and between-subject resting-state amplitude variations. NeuroImage, 2017, 159, 57-69.	2.1	90
14	Long-term motor training induced changes in regional cerebral blood flow in both task and resting states. NeuroImage, 2009, 45, 75-82.	2.1	89
15	Distinct multivariate brain morphological patterns and their added predictive value with cognitive and polygenic risk scores in mental disorders. NeuroImage: Clinical, 2017, 15, 719-731.	1.4	89
16	Learning to identify CNS drug action and efficacy using multistudy fMRI data. Science Translational Medicine, 2015, 7, 274ra16.	5.8	82
17	The developing Human Connectome Project (dHCP) automated resting-state functional processing framework for newborn infants. NeuroImage, 2020, 223, 117303.	2.1	81
18	The Developing Human Connectome Project: typical and disrupted perinatal functional connectivity. Brain, 2021, 144, 2199-2213.	3.7	75

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19	Nociceptive brain activity as a measure of analgesic efficacy in infants. Science Translational Medicine, 2017, 9, .	5.8	74
20	REX: Response Exploration for Neuroimaging Datasets. Neuroinformatics, 2007, 5, 223-234.	1.5	72
21	The relative phases of basal ganglia activities dynamically shape effective connectivity in Parkinson's disease. Brain, 2015, 138, 1667-1678.	3.7	72
22	Biomarkers, designs, and interpretations of resting‐state fMRI in translational pharmacological research: A review of state‐of‐the‐Art, challenges, and opportunities for studying brain chemistry. Human Brain Mapping, 2017, 38, 2276-2325.	1.9	57
23	Disambiguating brain functional connectivity. NeuroImage, 2018, 173, 540-550.	2.1	57
24	Artificial limb representation in amputees. Brain, 2018, 141, 1422-1433.	3.7	53
25	The effects of APOE on brain activity do not simply reflect the risk of Alzheimer's disease. Neurobiology of Aging, 2012, 33, 618.e1-618.e13.	1.5	48
26	The influence of the descending pain modulatory system on infant pain-related brain activity. ELife, 2018, 7, .	2.8	46
27	Nonlinear estimation of the BOLD signal. NeuroImage, 2008, 40, 504-514.	2.1	43
28	Complex spatio-temporal dynamics of fMRI BOLD: A study of motor learning. NeuroImage, 2007, 34, 156-168.	2.1	35
29	Task-driven ICA feature generation for accurate and interpretable prediction using fMRI. NeuroImage, 2012, 60, 189-203.	2.1	34
30	Attentional load modulates large-scale functional brain connectivity beyond the core attention networks. NeuroImage, 2015, 109, 260-272.	2.1	34
31	Behavioural discrimination of noxious stimuli in infants is dependent on brain maturation. Pain, 2019, 160, 493-500.	2.0	33
32	Spatial parcellations, spectral filtering, and connectivity measures in fMRI: Optimizing for discrimination. Human Brain Mapping, 2019, 40, 407-419.	1.9	32
33	Structural Variability in the Human Brain Reflects Fine-Grained Functional Architecture at the Population Level. Journal of Neuroscience, 2019, 39, 6136-6149.	1.7	29
34	First steps in using machine learning on fMRI data to predict intrusive memories of traumatic film footage. Behaviour Research and Therapy, 2014, 62, 37-46.	1.6	28
35	Modelling subject variability in the spatial and temporal characteristics of functional modes. NeuroImage, 2020, 222, 117226.	2.1	28
36	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. Neuron, 2021, 109, 1769-1775.	3.8	27

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37	Searching Multiregression Dynamic Models of Resting-State fMRI Networks Using Integer Programming. Bayesian Analysis, 2015, 10, .	1.6	25
38	Optimising neonatal fMRI data analysis: Design and validation of an extended dHCP preprocessing pipeline to characterise noxious-evoked brain activity in infants. NeuroImage, 2019, 186, 286-300.	2.1	22
39	Large-scale intrinsic connectivity is consistent across varying task demands. PLoS ONE, 2019, 14, e0213861.	1.1	20
40	Optimal echo time for functional MRI of the infant brain identified in response to noxious stimulation. Magnetic Resonance in Medicine, 2017, 78, 625-631.	1.9	19
41	Multimodal pain assessment improves discrimination between noxious and nonâ€noxious stimuli in infants. Paediatric and Neonatal Pain, 2019, 1, 21-30.	0.6	19
42	Low-threshold mechanoreceptors play a frequency-dependent dual role in subjective ratings of mechanical allodynia. Journal of Neurophysiology, 2017, 118, 3360-3369.	0.9	16
43	Inferring pain experience in infants using quantitative whole-brain functional MRI signatures: a cross-sectional, observational study. The Lancet Digital Health, 2020, 2, e458-e467.	5.9	16
44	Quantifying noxious-evoked baseline sensitivity in neonates to optimise analgesic trials. ELife, 2021, 10, .	2.8	15
45	Centering inclusivity in the design of online conferencesâ€"An OHBMâ€"Open Science perspective. GigaScience, 2021, 10, .	3.3	14
46	White matter hyperintensities classified according to intensity and spatial location reveal specific associations with cognitive performance. NeuroImage: Clinical, 2021, 30, 102616.	1.4	13
47	Functional and diffusion MRI reveal the neurophysiological basis of neonatesâ€™ noxious-stimulus evoked brain activity. Nature Communications, 2021, 12, 2744.	5.8	11
48	Integrating large-scale neuroimaging research datasets: Harmonisation of white matter hyperintensity measurements across Whitehall and UK Biobank datasets. NeuroImage, 2021, 237, 118189.	2.1	10
49	Particle Filtering for Nonlinear BOLD Signal Analysis. Lecture Notes in Computer Science, 2006, 9, 292-299.	1.0	10
50	Exploring the prediction of emotional valence and pharmacologic effect across fMRI studies of antidepressants. NeuroImage: Clinical, 2018, 20, 407-414.	1.4	8
51	Utility of Partial Correlation for Characterising Brain Dynamics: MVPA-based Assessment of Regularisation and Network Selection. , 2013, , .		4
52	MVPA to enhance the study of rare cognitive events: An investigation of experimental PTSD. , 2014, , .		3
53	Activity in hand- and tool-selective regions for prosthetic limbs in amputees is associated with prosthesis usage in everyday life. Journal of Vision, 2015, 15, 983.	0.1	1
54	(Non)sensory reorganisation following arm amputation. Multisensory Research, 2013, 26, 93.	0.6	0

#	Article	IF	Citations

| 55 | Response to â€œTreating patients rather than their functional neuroimagesâ€•(Br J Anaesth 2018; 121:) Tj ETQq1 1 0.784314 rgBT /Ov | 1.5 | 0 |