

Eugene P Duff

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

3,725
citations

28
h-index

61
g-index

77
ext. papers

5,147
ext. citations

7.6
avg, IF

4.92
L-index

#	Paper	IF	Citations
60	Resting-state fMRI in the Human Connectome Project. <i>NeuroImage</i> , 2013 , 80, 144-68	7.9	865
59	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. <i>Scientific Data</i> , 2016 , 3, 160044	8.2	510
58	Hand classification of fMRI ICA noise components. <i>NeuroImage</i> , 2017 , 154, 188-205	7.9	249
57	A common brain network links development, aging, and vulnerability to disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17648-53	11.5	173
56	The developing human connectome project: A minimal processing pipeline for neonatal cortical surface reconstruction. <i>NeuroImage</i> , 2018 , 173, 88-112	7.9	158
55	Pain sensitivity and fMRI pain-related brain activity in Alzheimer's disease. <i>Brain</i> , 2006 , 129, 2957-65	11.2	158
54	Functional connectivity in the basal ganglia network differentiates PD patients from controls. <i>Neurology</i> , 2014 , 83, 208-14	6.5	123
53	The power of spectral density analysis for mapping endogenous BOLD signal fluctuations. <i>Human Brain Mapping</i> , 2008 , 29, 778-90	5.9	104
52	Disintegration of Sensorimotor Brain Networks in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2015 , 41, 1326-353		99
51	The Developing Human Connectome Project: a Minimal Processing Pipeline for Neonatal Cortical Surface Reconstruction 2018 , 173, 88-112		88
50	The brain functional connectome is robustly altered by lack of sleep. <i>NeuroImage</i> , 2016 , 127, 324-332	7.9	81
49	Long-term motor training induced changes in regional cerebral blood flow in both task and resting states. <i>NeuroImage</i> , 2009 , 45, 75-82	7.9	77
48	Network-level reorganisation of functional connectivity following arm amputation. <i>NeuroImage</i> , 2015 , 114, 217-25	7.9	73
47	Learning to identify CNS drug action and efficacy using multistudy fMRI data. <i>Science Translational Medicine</i> , 2015 , 7, 274ra16	17.5	71
46	The relative phases of basal ganglia activities dynamically shape effective connectivity in Parkinson's disease. <i>Brain</i> , 2015 , 138, 1667-78	11.2	58
45	Distinct multivariate brain morphological patterns and their added predictive value with cognitive and polygenic risk scores in mental disorders. <i>NeuroImage: Clinical</i> , 2017 , 15, 719-731	5.3	57
44	Investigations into within- and between-subject resting-state amplitude variations. <i>NeuroImage</i> , 2017 , 159, 57-69	7.9	51

43	Nociceptive brain activity as a measure of analgesic efficacy in infants. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	50
42	REX: response exploration for neuroimaging datasets. <i>Neuroinformatics</i> , 2007 , 5, 223-34	3.2	50
41	The effects of APOE on brain activity do not simply reflect the risk of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012 , 33, 618.e1-618.e13	5.6	44
40	Disambiguating brain functional connectivity. <i>NeuroImage</i> , 2018 , 173, 540-550	7.9	38
39	Nonlinear estimation of the BOLD signal. <i>NeuroImage</i> , 2008 , 40, 504-514	7.9	37
38	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. <i>Human Brain Mapping</i> , 2017 , 38, 2276-2325	5.9	36
37	Challenges and future directions for representations of functional brain organization. <i>Nature Neuroscience</i> , 2020 , 23, 1484-1495	25.5	35
36	Artificial limb representation in amputees. <i>Brain</i> , 2018 , 141, 1422-1433	11.2	32
35	Complex spatio-temporal dynamics of fMRI BOLD: A study of motor learning. <i>NeuroImage</i> , 2007 , 34, 156-68	7.9	32
34	Attentional load modulates large-scale functional brain connectivity beyond the core attention networks. <i>NeuroImage</i> , 2015 , 109, 260-72	7.9	30
33	The developing Human Connectome Project (dHCP) automated resting-state functional processing framework for newborn infants. <i>NeuroImage</i> , 2020 , 223, 117303	7.9	28
32	The influence of the descending pain modulatory system on infant pain-related brain activity. <i>ELife</i> , 2018 , 7,	8.9	27
31	Task-driven ICA feature generation for accurate and interpretable prediction using fMRI. <i>NeuroImage</i> , 2012 , 60, 189-203	7.9	26
30	First steps in using machine learning on fMRI data to predict intrusive memories of traumatic film footage. <i>Behaviour Research and Therapy</i> , 2014 , 62, 37-46	5.2	22
29	Behavioural discrimination of noxious stimuli in infants is dependent on brain maturation. <i>Pain</i> , 2019 , 160, 493-500	8	21
28	Searching Multiregression Dynamic Models of Resting-State fMRI Networks Using Integer Programming. <i>Bayesian Analysis</i> , 2015 , 10,	2.3	19
27	Structural Variability in the Human Brain Reflects Fine-Grained Functional Architecture at the Population Level. <i>Journal of Neuroscience</i> , 2019 , 39, 6136-6149	6.6	18
26	The Developing Human Connectome Project: typical and disrupted perinatal functional connectivity. <i>Brain</i> , 2021 , 144, 2199-2213	11.2	18

25	Optimising neonatal fMRI data analysis: Design and validation of an extended dHCP preprocessing pipeline to characterise noxious-evoked brain activity in infants. <i>NeuroImage</i> , 2019 , 186, 286-300	7.9	17
24	Spatial parcellations, spectral filtering, and connectivity measures in fMRI: Optimizing for discrimination. <i>Human Brain Mapping</i> , 2019 , 40, 407-419	5.9	17
23	Modelling subject variability in the spatial and temporal characteristics of functional modes. <i>NeuroImage</i> , 2020 , 222, 117226	7.9	15
22	Optimal echo time for functional MRI of the infant brain identified in response to noxious stimulation. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 625-631	4.4	13
21	Large-scale intrinsic connectivity is consistent across varying task demands. <i>PLoS ONE</i> , 2019 , 14, e0213861	6.7	11
20	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. <i>Neuron</i> , 2021 , 109, 1769-1775	13.9	10
19	Multimodal pain assessment improves discrimination between noxious and non-noxious stimuli in infants.. <i>Paediatric and Neonatal Pain</i> , 2019 , 1, 21-30	1.3	10
18	Particle filtering for nonlinear BOLD signal analysis. <i>Lecture Notes in Computer Science</i> , 2006 , 9, 292-9	0.9	10
17	Low-threshold mechanoreceptors play a frequency-dependent dual role in subjective ratings of mechanical allodynia. <i>Journal of Neurophysiology</i> , 2017 , 118, 3360-3369	3.2	9
16	Exploring the prediction of emotional valence and pharmacologic effect across fMRI studies of antidepressants. <i>NeuroImage: Clinical</i> , 2018 , 20, 407-414	5.3	8
15	Inferring pain experience in infants using quantitative whole-brain functional MRI signatures: a cross-sectional, observational study. <i>The Lancet Digital Health</i> , 2020 , 2, e458-e467	14.4	7
14	The developing Human Connectome Project (dHCP) automated resting-state functional processing framework for newborn infants		5
13	Functional and diffusion MRI reveal the neurophysiological basis of neonatesNoxious-stimulus evoked brain activity. <i>Nature Communications</i> , 2021 , 12, 2744	17.4	4
12	Centering inclusivity in the design of online conferences-An OHBM-Open Science perspective. <i>GigaScience</i> , 2021 , 10,	7.6	4
11	Modelling Subject Variability in the Spatial and Temporal Characteristics of Functional Modes		3
10	Centering inclusivity in the design of online conferences		3
9	Integrating large-scale neuroimaging research datasets: Harmonisation of white matter hyperintensity measurements across Whitehall and UK Biobank datasets. <i>NeuroImage</i> , 2021 , 237, 118189	7.9	3
8	Utility of Partial Correlation for Characterising Brain Dynamics: MVPA-based Assessment of Regularisation and Network Selection 2013 ,		2

7	MVPA to enhance the study of rare cognitive events: An investigation of experimental PTSD 2014 ,		2
6	Integrating large-scale neuroimaging research datasets: harmonisation of white matter hyperintensity measurements across Whitehall and UK Biobank datasets		2
5	Disambiguating brain functional connectivity		2
4	Quantifying noxious-evoked baseline sensitivity in neonates to optimise analgesic trials. <i>ELife</i> , 2021 , 10,	8.9	2
3	White matter hyperintensities classified according to intensity and spatial location reveal specific associations with cognitive performance. <i>NeuroImage: Clinical</i> , 2021 , 30, 102616	5.3	2
2	Inferring the infant pain experience: a translational fMRI-based signature study		1
1	Response to "Treating patients rather than their functional neuroimages" (Br J Anaesth 2018; 121: 969-71). <i>British Journal of Anaesthesia</i> , 2019 , 123, e166-e171	5.4	