Eugene P Duff

List of Publications by Year in Descending Order

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	The Developing Human Connectome Project: typical and disrupted perinatal functional connectivity. *Brain*, **2021**, 144, 2199-2213	11.2	18
59	Quantifying noxious-evoked baseline sensitivity in neonates to optimise analgesic trials. *ELife*, **2021**, 10,	8.9	2
58	Functional and diffusion MRI reveal the neurophysiological basis of neonatesSnoxious-stimulus evoked brain activity. *Nature Communications*, **2021**, 12, 2744	17.4	4
57	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. *Neuron*, **2021**, 109, 1769-1775	13.9	10
56	Integrating large-scale neuroimaging research datasets: Harmonisation of white matter hyperintensity measurements across Whitehall and UK Biobank datasets. *NeuroImage*, **2021**, 237, 118189	7.9	3
55	Centering inclusivity in the design of online conferences-An OHBM-Open Science perspective. *GigaScience*, **2021**, 10,	7.6	4
54	White matter hyperintensities classified according to intensity and spatial location reveal specific associations with cognitive performance. *NeuroImage: Clinical*, **2021**, 30, 102616	5.3	2
53	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	14.4	7
52	The developing Human Connectome Project (dHCP) automated resting-state functional processing framework for newborn infants. *NeuroImage*, **2020**, 223, 117303	7.9	28
51	Modelling subject variability in the spatial and temporal characteristics of functional modes. *NeuroImage*, **2020**, 222, 117226	7.9	15
50	Challenges and future directions for representations of functional brain organization. *Nature Neuroscience*, **2020**, 23, 1484-1495	25.5	35
49	Large-scale intrinsic connectivity is consistent across varying task demands. *PLoS ONE*, **2019**, 14, e0213861	3.7	11
48	Structural Variability in the Human Brain Reflects Fine-Grained Functional Architecture at the Population Level. *Journal of Neuroscience*, **2019**, 39, 6136-6149	6.6	18
47	Behavioural discrimination of noxious stimuli in infants is dependent on brain maturation. *Pain*, **2019**, 160, 493-500	8	21
46	Response to "Treating patients rather than their functional neuroimages" (Br J Anaesth 2018; 121: 969-71). *British Journal of Anaesthesia*, **2019**, 123, e166-e171	5.4	
45	Multimodal pain assessment improves discrimination between noxious and non-noxious stimuli in infants.. *Paediatric and Neonatal Pain*, **2019**, 1, 21-30	1.3	10
44	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	7.9	17

43	Spatial parcellations, spectral filtering, and connectivity measures in fMRI: Optimizing for discrimination. *Human Brain Mapping*, **2019**, 40, 407-419	5.9	17
42	Disambiguating brain functional connectivity. *NeuroImage*, **2018**, 173, 540-550	7.9	38
41	The developing human connectome project: A minimal processing pipeline for neonatal cortical surface reconstruction. *NeuroImage*, **2018**, 173, 88-112	7.9	158
40	Artificial limb representation in amputees. *Brain*, **2018**, 141, 1422-1433	11.2	32
39	Exploring the prediction of emotional valence and pharmacologic effect across fMRI studies of antidepressants. *NeuroImage: Clinical*, **2018**, 20, 407-414	5.3	8
38	The influence of the descending pain modulatory system on infant pain-related brain activity. *ELife*, **2018**, 7,	8.9	27
37	The Developing Human Connectome Project: a Minimal Processing Pipeline for Neonatal Cortical Surface Reconstruction **2018**, 173, 88-112		88
36	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	5.9	36
35	Nociceptive brain activity as a measure of analgesic efficacy in infants. *Science Translational Medicine*, **2017**, 9,	17.5	50
34	Hand classification of fMRI ICA noise components. *NeuroImage*, **2017**, 154, 188-205	7.9	249
33	Optimal echo time for functional MRI of the infant brain identified in response to noxious stimulation. *Magnetic Resonance in Medicine*, **2017**, 78, 625-631	4.4	13
32	Low-threshold mechanoreceptors play a frequency-dependent dual role in subjective ratings of mechanical allodynia. *Journal of Neurophysiology*, **2017**, 118, 3360-3369	3.2	9
31	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	5.3	57
30	Investigations into within- and between-subject resting-state amplitude variations. *NeuroImage*, **2017**, 159, 57-69	7.9	51
29	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. *Scientific Data*, **2016**, 3, 160044	8.2	510
28	The brain functional connectome is robustly altered by lack of sleep. *NeuroImage*, **2016**, 127, 324-332	7.9	81
27	Network-level reorganisation of functional connectivity following arm amputation. *NeuroImage*, **2015**, 114, 217-25	7.9	73
26	Disintegration of Sensorimotor Brain Networks in Schizophrenia. *Schizophrenia Bulletin*, **2015**, 41, 1326-35	5.3	99

25	Learning to identify CNS drug action and efficacy using multistudy fMRI data. *Science Translational Medicine*, **2015**, 7, 274ra16	17.5	71
24	Searching Multiregression Dynamic Models of Resting-State fMRI Networks Using Integer Programming. *Bayesian Analysis*, **2015**, 10,	2.3	19
23	The relative phases of basal ganglia activities dynamically shape effective connectivity in ParkinsonS disease. *Brain*, **2015**, 138, 1667-78	11.2	58
22	Attentional load modulates large-scale functional brain connectivity beyond the core attention networks. *NeuroImage*, **2015**, 109, 260-72	7.9	30
21	MVPA to enhance the study of rare cognitive events: An investigation of experimental PTSD **2014**,		2
20	Functional connectivity in the basal ganglia network differentiates PD patients from controls. *Neurology*, **2014**, 83, 208-14	6.5	123
19	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, 17648-53	11.5	173
18	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	5.2	22
17	Utility of Partial Correlation for Characterising Brain Dynamics: MVPA-based Assessment of Regularisation and Network Selection **2013**,		2
16	Resting-state fMRI in the Human Connectome Project. *NeuroImage*, **2013**, 80, 144-68	7.9	865
15	The effects of APOE on brain activity do not simply reflect the risk of AlzheimerS disease. *Neurobiology of Aging*, **2012**, 33, 618.e1-618.e13	5.6	44
14	Task-driven ICA feature generation for accurate and interpretable prediction using fMRI. *NeuroImage*, **2012**, 60, 189-203	7.9	26
13	Long-term motor training induced changes in regional cerebral blood flow in both task and resting states. *NeuroImage*, **2009**, 45, 75-82	7.9	77
12	Nonlinear estimation of the BOLD signal. *NeuroImage*, **2008**, 40, 504-514	7.9	37
11	The power of spectral density analysis for mapping endogenous BOLD signal fluctuations. *Human Brain Mapping*, **2008**, 29, 778-90	5.9	104
10	REX: response exploration for neuroimaging datasets. *Neuroinformatics*, **2007**, 5, 223-34	3.2	50
9	Complex spatio-temporal dynamics of fMRI BOLD: A study of motor learning. *NeuroImage*, **2007**, 34, 156-68	7.9	32
8	Pain sensitivity and fMRI pain-related brain activity in AlzheimerS disease. *Brain*, **2006**, 129, 2957-65	11.2	158

List of Publications

7	Particle filtering for nonlinear BOLD signal analysis. *Lecture Notes in Computer Science*, **2006**, 9, 292-9	0.9	10
6	Inferring the infant pain experience: a translational fMRI-based signature study		1
5	Integrating large-scale neuroimaging research datasets: harmonisation of white matter hyperintensity measurements across Whitehall and UK Biobank datasets		2
4	Modelling Subject Variability in the Spatial and Temporal Characteristics of Functional Modes		3
3	The developing Human Connectome Project (dHCP) automated resting-state functional processing framework for newborn infants		5
2	Disambiguating brain functional connectivity		2
1	Centering inclusivity in the design of online conferences		3