

Andrew P Bagshaw

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

4,595
citations

136885

32
h-index

102432

66
g-index

73
all docs

73
docs citations

73
times ranked

4703
citing authors

#	ARTICLE	IF	CITATIONS
1	Generalized epileptic discharges show thalamocortical activation and suspension of the default state of the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15236-15240.	3.3	534
2	fMRI activation during spike and wave discharges in idiopathic generalized epilepsy. <i>Brain</i> , 2004, 127, 1127-1144.	3.7	350
3	Combining EEG and fMRI: A multimodal tool for epilepsy research. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 906-920.	1.9	227
4	EEG-fMRI of focal epileptic spikes: Analysis with multiple haemodynamic functions and comparison with gadolinium-enhanced MR angiograms. <i>Human Brain Mapping</i> , 2004, 22, 179-192.	1.9	203
5	Effect of sleep stage on interictal high-frequency oscillations recorded from depth macroelectrodes in patients with focal epilepsy. <i>Epilepsia</i> , 2009, 50, 617-628.	2.6	199
6	Negative BOLD responses to epileptic spikes. <i>Human Brain Mapping</i> , 2006, 27, 488-497.	1.9	160
7	Temporal and Extratemporal BOLD Responses to Temporal Lobe Interictal Spikes. <i>Epilepsia</i> , 2006, 47, 343-354.	2.6	149
8	EEG-fMRI of epileptic spikes: Concordance with EEG source localization and intracranial EEG. <i>NeuroImage</i> , 2006, 30, 1161-1170.	2.1	148
9	The structural and functional connectivity of the posterior cingulate cortex: Comparison between deterministic and probabilistic tractography for the investigation of structure-function relationships. <i>NeuroImage</i> , 2014, 102, 118-127.	2.1	147
10	Electrical impedance tomography of human brain function using reconstruction algorithms based on the finite element method. <i>NeuroImage</i> , 2003, 20, 752-764.	2.1	141
11	Evidence that the negative BOLD response is neuronal in origin: A simultaneous EEG-BOLD-CBF study in humans. <i>NeuroImage</i> , 2014, 94, 263-274.	2.1	137
12	BOLD changes occur prior to epileptic spikes seen on scalp EEG. <i>NeuroImage</i> , 2007, 35, 1450-1458.	2.1	122
13	Functional Connectivity of the Posteromedial Cortex. <i>PLoS ONE</i> , 2010, 5, e13107.	1.1	115
14	Grey matter heterotopia: what EEG-fMRI can tell us about epileptogenicity of neuronal migration disorders. <i>Brain</i> , 2006, 129, 366-374.	3.7	111
15	Hemodynamic and metabolic responses to activation, deactivation and epileptic discharges. <i>NeuroImage</i> , 2005, 28, 205-215.	2.1	108
16	Spontaneous EEG alpha oscillation interacts with positive and negative BOLD responses in the visual-auditory cortices and default-mode network. <i>NeuroImage</i> , 2013, 76, 362-372.	2.1	104
17	Concordance between distributed EEG source localization and simultaneous EEG-fMRI studies of epileptic spikes. <i>NeuroImage</i> , 2008, 39, 755-774.	2.1	89
18	Using voxel-specific hemodynamic response function in EEG-fMRI data analysis. <i>NeuroImage</i> , 2006, 32, 238-247.	2.1	86

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19	Poststimulus undershoots in cerebral blood flow and BOLD fMRI responses are modulated by poststimulus neuronal activity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13636-13641.	3.3	83
20	Analysis of the EEG-fMRI response to prolonged bursts of interictal epileptiform activity. NeuroImage, 2005, 24, 1099-1112.	2.1	66
21	An information theoretic approach to EEG-fMRI integration of visually evoked responses. NeuroImage, 2010, 49, 498-516.	2.1	66
22	Resetting the late timing of "night owls" has a positive impact on mental health and performance. Sleep Medicine, 2019, 60, 236-247.	0.8	63
23	Circadian phenotype impacts the brain's resting-state functional connectivity, attentional performance, and sleepiness. Sleep, 2019, 42, .	0.6	60
24	Correspondence between EEG-fMRI and EEG dipole localisation of interictal discharges in focal epilepsy. NeuroImage, 2006, 30, 417-425.	2.1	56
25	Influence of epoch length on measurement of dynamic functional connectivity in wakefulness and behavioural validation in sleep. NeuroImage, 2015, 112, 169-179.	2.1	56
26	Intrinsic variability in the human response to pain is assembled from multiple, dynamic brain processes. NeuroImage, 2013, 75, 68-78.	2.1	50
27	Single trial variability of EEG and fMRI responses to visual stimuli. NeuroImage, 2007, 38, 280-292.	2.1	49
28	Multimodal Functional Network Connectivity: An EEG-fMRI Fusion in Network Space. PLoS ONE, 2011, 6, e24642.	1.1	48
29	Functional source separation improves the quality of single trial visual evoked potentials recorded during concurrent EEG-fMRI. NeuroImage, 2010, 50, 112-123.	2.1	44
30	Preictal changes in cerebral haemodynamics: Review of findings and insights from intracerebral EEG. Epilepsy Research, 2011, 97, 252-266.	0.8	43
31	Altered thalamocortical and intra-thalamic functional connectivity during light sleep compared with wake. NeuroImage, 2016, 125, 657-667.	2.1	41
32	Habitual sleep durations and subjective sleep quality predict white matter differences in the human brain. Neurobiology of Sleep and Circadian Rhythms, 2017, 3, 17-25.	1.4	41
33	Comparison of functional thalamic segmentation from seed-based analysis and ICA. NeuroImage, 2015, 114, 448-465.	2.1	37
34	Gender Specific Re-organization of Resting-State Networks in Older Age. Frontiers in Aging Neuroscience, 2016, 8, 285.	1.7	37
35	The relationship between the visual evoked potential and the gamma band investigated by blind and semi-blind methods. NeuroImage, 2011, 56, 1059-1071.	2.1	33
36	Resting state networks in paroxysmal disorders of consciousness. Epilepsy and Behavior, 2013, 26, 290-294.	0.9	31

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37	Variability in Cumulative Habitual Sleep Duration Predicts Waking Functional Connectivity. <i>Sleep</i> , 2016, 39, 87-95.	0.6	31
38	EEG-fMRI Based Information Theoretic Characterization of the Human Perceptual Decision System. <i>PLoS ONE</i> , 2012, 7, e33896.	1.1	30
39	Sleep disruption in children and adolescents with epilepsy: A systematic review and meta-analysis. <i>Sleep Medicine Reviews</i> , 2021, 57, 101416.	3.8	29
40	A comparison of headnet electrode arrays for electrical impedance tomography of the human head. <i>Physiological Measurement</i> , 2003, 24, 527-544.	1.2	27
41	Voxel-wise information theoretic EEG-fMRI feature integration. <i>NeuroImage</i> , 2011, 55, 1270-1286.	2.1	27
42	Neurobiological evidence of longer-term physical activity interventions on mental health outcomes and cognition in young people: A systematic review of randomised controlled trials. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 120, 431-441.	2.9	26
43	Identifying spatially overlapping local cortical networks with MEG. <i>Human Brain Mapping</i> , 2010, 31, 1003-1016.	1.9	25
44	Multimodal neuroimaging investigations of alterations to consciousness: The relationship between absence epilepsy and sleep. <i>Epilepsy and Behavior</i> , 2014, 30, 33-37.	0.9	24
45	Global signal modulation of single-trial fMRI response variability: Effect on positive vs negative BOLD response relationship. <i>NeuroImage</i> , 2016, 133, 62-74.	2.1	22
46	fMRI characterisation of widespread brain networks relevant for behavioural variability in fine hand motor control with and without visual feedback. <i>NeuroImage</i> , 2017, 148, 330-342.	2.1	22
47	The use of skin Fe levels as a surrogate marker for organ Fe levels, to monitor treatment in cases of iron overload. <i>Physics in Medicine and Biology</i> , 2000, 45, 1387-1396.	1.6	21
48	Metabolic correlates of epileptic spikes in cerebral cavernous angiomas. <i>Epilepsy Research</i> , 2007, 73, 98-103.	0.8	21
49	Information theoretic approaches to functional neuroimaging. <i>Magnetic Resonance Imaging</i> , 2011, 29, 1417-1428.	1.0	21
50	Evidence for elevated cortical hyperexcitability and its association with out-of-body experiences in the non-clinical population: New findings from a pattern-glare task. <i>Cortex</i> , 2013, 49, 793-805.	1.1	21
51	Optimizing the Measurement of Contact Heat Evoked Potentials. <i>Journal of Clinical Neurophysiology</i> , 2009, 26, 117-122.	0.9	19
52	Dynamic spatiotemporal variability of alpha-BOLD relationships during the resting-state and task-evoked responses. <i>NeuroImage</i> , 2017, 155, 120-137.	2.1	19
53	Thalamic functional connectivity and its association with behavioral performance in older age. <i>Brain and Behavior</i> , 2018, 8, e00943.	1.0	19
54	Scanning strategies for simultaneous EEG-fMRI evoked potential studies at 3T. <i>International Journal of Psychophysiology</i> , 2008, 67, 169-177.	0.5	18

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55	Brain Mechanisms of Altered Consciousness in Focal Seizures. Behavioural Neurology, 2011, 24, 35-41.	1.1	18
56	Characterisation of Haemodynamic Activity in Resting State Networks by Fractal Analysis. International Journal of Neural Systems, 2020, 30, 2050061.	3.2	17
57	Sleep onset uncovers thalamic abnormalities in patients with idiopathic generalised epilepsy. NeuroImage: Clinical, 2017, 16, 52-57.	1.4	15
58	Investigating intrinsic connectivity networks using simultaneous BOLD and CBF measurements. NeuroImage, 2014, 99, 111-121.	2.1	14
59	Role of the Ipsilateral Primary Motor Cortex in the Visuo-Motor Network During Fine Contractions and Accurate Performance. International Journal of Neural Systems, 2021, 31, 2150011.	3.2	11
60	Simultaneous determination of iron, copper and zinc concentrations in skin phantoms using XRF spectrometry. X-Ray Spectrometry, 2002, 31, 47-52.	0.9	10
61	EEG-fMRI using z-shimming in patients with temporal lobe epilepsy. Journal of Magnetic Resonance Imaging, 2006, 24, 1025-1032.	1.9	9
62	The neural correlates of altered consciousness during epileptic seizures. Discovery Medicine, 2009, 8, 31-6.	0.5	8
63	Temporal organisation of the brain's intrinsic motor network: The relationship with circadian phenotype and motor performance. NeuroImage, 2021, 232, 117840.	2.1	6
64	Objective and subjective measures of prior sleep-wake behavior predict functional connectivity in the default mode network during NREM sleep. Brain and Behavior, 2019, 9, e01172.	1.0	5
65	Brain mechanisms of altered consciousness in focal seizures. Behavioural Neurology, 2011, 24, 35-41.	1.1	5
66	Early haemodynamic changes observed in patients with epilepsy, in a visual experiment and in simulations. Clinical Neurophysiology, 2016, 127, 245-253.	0.7	3
67	Proof-of-concept evidence for trimodal simultaneous investigation of human brain function. Human Brain Mapping, 2021, 42, 4102-4121.	1.9	3
68	Reliability of Information-Based Integration of EEG and fMRI Data: A Simulation Study. Neural Computation, 2015, 27, 281-305.	1.3	2
69	Functional Brain Imaging and Consciousness. , 2013, , 37-48.		2
70	Evidence for distinct neuro-metabolic phenotypes in humans. NeuroImage, 2022, 249, 118902.	2.1	2
71	Experimental Design and Data Analysis Strategies. , 2009, , 221-257.		1
72	Late Diagnosis of Narcolepsy With Cataplexy: A Novel Case of Cataplectic Facies Presenting in an Elderly Woman. Journal of Clinical Sleep Medicine, 2019, 15, 1687-1690.	1.4	0