Peter A Bandettini

List of Publications by Year
in descending order

45 papers	9,734 citations	159585 30 h-index	276875 41 g-index
55 all docs	55 docs citations	55 times ranked	7681 citing authors

#	Article	IF	Citations
1	Processing strategies for timeâ€course data sets in functional mri of the human brain. Magnetic Resonance in Medicine, 1993, 30, 161-173.	3.0	1,710
2	Time course EPI of human brain function during task activation. Magnetic Resonance in Medicine, 1992, 25, 390-397.	3.0	1,695
3	Resting-state fMRI confounds and cleanup. NeuroImage, 2013, 80, 349-359.	4.2	598
4	Differentiating BOLD and non-BOLD signals in fMRI time series using multi-echo EPI. NeuroImage, 2012, 60, 1759-1770.	4.2	528
5	QUIPSS II with thin-slice TI1 periodic saturation: A method for improving accuracy of quantitative perfusion imaging using pulsed arterial spin labeling. Magnetic Resonance in Medicine, 1999, 41, 1246-1254.	3.0	460
6	Periodic changes in fMRI connectivity. NeuroImage, 2012, 63, 1712-1719.	4.2	350
7	Integrated strategy for improving functional connectivity mapping using multiecho fMRI. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16187-16192.	7.1	342
8	Whole-brain, time-locked activation with simple tasks revealed using massive averaging and model-free analysis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5487-5492.	7.1	312
9	Tracking ongoing cognition in individuals using brief, whole-brain functional connectivity patterns. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8762-8767.	7.1	312
10	Spin-echo and gradient-echo epi of human brain activation using bold contrast: A comparative study at 1.5 T. NMR in Biomedicine, 1994, 7, 12-20.	2.8	293
11	High-Resolution CBV-fMRI Allows Mapping of Laminar Activity and Connectivity of Cortical Input and Output in Human M1. Neuron, 2017, 96, 1253-1263.e7.	8.1	255
12	Ridding fMRI data of motion-related influences: Removal of signals with distinct spatial and physical bases in multiecho data. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2105-E2114.	7.1	250
13	Event-related fMRI of tasks involving brief motion. Human Brain Mapping, 1999, 7, 106-114.	3.6	243
14	Task-based dynamic functional connectivity: Recent findings and open questions. NeuroImage, 2018, 180, 526-533.	4.2	239
15	Multi-echo fMRI: A review of applications in fMRI denoising and analysis of BOLD signals. NeuroImage, 2017, 154, 59-80.	4.2	238
16	Functional MRI of brain activation induced by scanner acoustic noise. Magnetic Resonance in Medicine, 1998, 39, 410-416.	3.0	220
17	Event-related fMRI contrast when using constant interstimulus interval: Theory and experiment. Magnetic Resonance in Medicine, 2000, 43, 540-548.	3.0	220
18	A hypercapnia-based normalization method for improved spatial localization of human brain activation with fMRI. , 1997, 10, 197-203.		179

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19	Magnetic field changes in the human brain due to swallowing or speaking. Magnetic Resonance in Medicine, 1998, 40, 55-60.	3.0	165
20	Comparison of simultaneously measured perfusion and BOLD signal increases during brain activation withT1-based tissue identification. Magnetic Resonance in Medicine, 2000, 44, 137-143.	3.0	130
21	Layer-dependent activity in human prefrontal cortex during working memory. Nature Neuroscience, 2019, 22, 1687-1695.	14.8	130
22	Single-shot halfk-space high-resolution gradient-recalled EPI for fMRI at 3 tesla. Magnetic Resonance in Medicine, 1998, 40, 754-762.	3.0	94
23	Sub-millimeter fMRI reveals multiple topographical digit representations that form action maps in human motor cortex. NeuroImage, 2020, 208, 116463.	4.2	88
24	Time-Resolved Resting-State Functional Magnetic Resonance Imaging Analysis: Current Status, Challenges, and New Directions. Brain Connectivity, 2017, 7, 465-481.	1.7	84
25	Layer-dependent functional connectivity methods. Progress in Neurobiology, 2021, 207, 101835.	5.7	67
26	Layer-specific activation of sensory input and predictive feedback in the human primary somatosensory cortex. Science Advances, 2019, 5, eaav9053.	10.3	62
27	Separating slow BOLD from non-BOLD baseline drifts using multi-echo fMRI. NeuroImage, 2015, 105, 189-197.	4.2	60
28	Simultaneous gradient-echo/spin-echo EPI of graded ischemia in human skeletal muscle. Journal of Magnetic Resonance Imaging, 1998, 8, 1106-1113.	3.4	59
29	Evaluation of multi-echo ICA denoising for task based fMRI studies: Block designs, rapid event-related designs, and cardiac-gated fMRI. NeuroImage, 2016, 141, 452-468.	4.2	49
30	Robust resting state fMRI processing for studies on typical brain development based on multi-echo EPI acquisition. Brain Imaging and Behavior, 2015, 9, 56-73.	2.1	47
31	Ultra-high resolution blood volume fMRI and BOLD fMRI in humans at 9.4â€¯T: Capabilities and challenges. NeuroImage, 2018, 178, 769-779.	4.2	44
32	TE-dependent analysis of multi-echo fMRI with tedana. Journal of Open Source Software, 2021, 6, 3669.	4.6	39
33	The Integration of Functional Brain Activity from Adolescence to Adulthood. Journal of Neuroscience, 2018, 38, 3559-3570.	3.6	32
34	A deconvolution algorithm for multi-echo functional MRI: Multi-echo Sparse Paradigm Free Mapping. NeuroImage, 2019, 202, 116081.	4.2	21
35	Higher and deeper: Bringing layer fMRI to association cortex. Progress in Neurobiology, 2021, 207, 101930.	5.7	21
36	Artifacts in functional magnetic resonance imaging from gaseous oxygen. Journal of Magnetic Resonance Imaging, 1995, 5, 443-445.	3.4	19

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37	Theta-burst TMS to the posterior superior temporal sulcus decreases resting-state fMRI connectivity across the face processing network. Network Neuroscience, 2020, 4, 746-760.	2.6	17
38	Physiological basis of vascular autocalibration (Vas<scp>A</scp>): Comparison to hypercapnia calibration methods. Magnetic Resonance in Medicine, 2017, 78, 1168-1173.	3.0	7
39	Eventâ€related fMRI of tasks involving brief motion. Human Brain Mapping, 1999, 7, 106-114.	3.6	4
40	Quantitative Deconvolution of fMRI Data with Multi-echo Sparse Paradigm Free Mapping. Lecture Notes in Computer Science, 2018, , 311-319.	1.3	3
41	QUIPSS II with thin-slice TI1 periodic saturation: A method for improving accuracy of quantitative perfusion imaging using pulsed arterial spin labeling. , 1999, 41, 1246.		2
42	Comparison of simultaneously measured perfusion and BOLD signal increases during brain activation with T1â€based tissue identification. Magnetic Resonance in Medicine, 2000, 44, 137-143.	3.0	2
43	The positiveâ€“negative mode link between brain connectivity, demographics and behaviour: a pre-registered replication of Smith et al . (2015). Royal Society Open Science, 2022, 9, 201090.	2.4	2
44	A temporal deconvolution algorithm for multiecho functional MRI. , 2018, , .		1
45	Leslie Ungerleider, 1946â€“2020: Who, what, and where. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2102784118.	7.1	1