

# Peter A Bandettini

## 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.

49  
papers

7,530<sup>0</sup>  
citations

28  
h-index

55  
g-index

55  
ext. papers

8,975  
ext. citations

7.2  
avg, IF

5.87  
L-index

#	Paper	IF	Citations
49	Processing strategies for time-course data sets in functional MRI of the human brain. <i>Magnetic Resonance in Medicine</i> , <b>1993</b> , 30, 161-73	4.4	1484
48	Time course EPI of human brain function during task activation. <i>Magnetic Resonance in Medicine</i> , <b>1992</b> , 25, 390-7	4.4	1470
47	Resting-state fMRI confounds and cleanup. <i>NeuroImage</i> , <b>2013</b> , 80, 349-59	7.9	460
46	QUIPSS II with thin-slice T11 periodic saturation: a method for improving accuracy of quantitative perfusion imaging using pulsed arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , <b>1999</b> , 41, 1246-54	4.4	411
45	Differentiating BOLD and non-BOLD signals in fMRI time series using multi-echo EPI. <i>NeuroImage</i> , <b>2012</b> , 60, 1759-70	7.9	331
44	Periodic changes in fMRI connectivity. <i>NeuroImage</i> , <b>2012</b> , 63, 1712-9	7.9	279
43	Spin-echo and gradient-echo EPI of human brain activation using BOLD contrast: a comparative study at 1.5 T. <i>NMR in Biomedicine</i> , <b>1994</b> , 7, 12-20	4.4	269
42	Whole-brain, time-locked activation with simple tasks revealed using massive averaging and model-free analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 5487-92	11.5	242
41	Event-related fMRI of tasks involving brief motion. <i>Human Brain Mapping</i> , <b>1999</b> , 7, 106-14	5.9	229
40	Integrated strategy for improving functional connectivity mapping using multiecho fMRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 16187-92	11.5	216
39	Tracking ongoing cognition in individuals using brief, whole-brain functional connectivity patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8762-7	11.5	202
38	Functional MRI of brain activation induced by scanner acoustic noise. <i>Magnetic Resonance in Medicine</i> , <b>1998</b> , 39, 410-6	4.4	200
37	Event-related fMRI contrast when using constant interstimulus interval: theory and experiment. <i>Magnetic Resonance in Medicine</i> , <b>2000</b> , 43, 540-8	4.4	179
36	Ridding fMRI data of motion-related influences: Removal of signals with distinct spatial and physical bases in multiecho data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E2105-E2114	11.5	163
35	A hypercapnia-based normalization method for improved spatial localization of human brain activation with fMRI. <i>NMR in Biomedicine</i> , <b>1997</b> , 10, 197-203	4.4	161
34	High-Resolution CBV-fMRI Allows Mapping of Laminar Activity and Connectivity of Cortical Input and Output in Human M1. <i>Neuron</i> , <b>2017</b> , 96, 1253-1263.e7	13.9	152
33	Task-based dynamic functional connectivity: Recent findings and open questions. <i>NeuroImage</i> , <b>2018</b> , 180, 526-533	7.9	141

32	Magnetic field changes in the human brain due to swallowing or speaking. <i>Magnetic Resonance in Medicine</i> , <b>1998</b> , 40, 55-60	4.4	134
31	Multi-echo fMRI: A review of applications in fMRI denoising and analysis of BOLD signals. <i>NeuroImage</i> , <b>2017</b> , 154, 59-80	7.9	124
30	Comparison of simultaneously measured perfusion and BOLD signal increases during brain activation with T(1)-based tissue identification. <i>Magnetic Resonance in Medicine</i> , <b>2000</b> , 44, 137-43	4.4	117
29	Single-shot half k-space high-resolution gradient-recalled EPI for fMRI at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , <b>1998</b> , 40, 754-62	4.4	84
28	Layer-dependent activity in human prefrontal cortex during working memory. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 1687-1695	25.5	65
27	Simultaneous gradient-echo/spin-echo EPI of graded ischemia in human skeletal muscle. <i>Journal of Magnetic Resonance Imaging</i> , <b>1998</b> , 8, 1106-13	5.6	54
26	Time-Resolved Resting-State Functional Magnetic Resonance Imaging Analysis: Current Status, Challenges, and New Directions. <i>Brain Connectivity</i> , <b>2017</b> , 7, 465-481	2.7	53
25	Separating slow BOLD from non-BOLD baseline drifts using multi-echo fMRI. <i>NeuroImage</i> , <b>2015</b> , 105, 189-97	7.9	42
24	Robust resting state fMRI processing for studies on typical brain development based on multi-echo EPI acquisition. <i>Brain Imaging and Behavior</i> , <b>2015</b> , 9, 56-73	4.1	36
23	Sub-millimeter fMRI reveals multiple topographical digit representations that form action maps in human motor cortex. <i>NeuroImage</i> , <b>2020</b> , 208, 116463	7.9	31
22	Layer-dependent functional connectivity methods. <i>Progress in Neurobiology</i> , <b>2020</b> , 101835	10.9	28
21	Layer-specific activation of sensory input and predictive feedback in the human primary somatosensory cortex. <i>Science Advances</i> , <b>2019</b> , 5, eaav9053	14.3	27
20	Evaluation of multi-echo ICA denoising for task based fMRI studies: Block designs, rapid event-related designs, and cardiac-gated fMRI. <i>NeuroImage</i> , <b>2016</b> , 141, 452-468	7.9	27
19	Ultra-high resolution blood volume fMRI and BOLD fMRI in humans at 9.4 T: Capabilities and challenges. <i>NeuroImage</i> , <b>2018</b> , 178, 769-779	7.9	24
18	The Integration of Functional Brain Activity from Adolescence to Adulthood. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 3559-3570	6.6	20
17	Artifacts in functional magnetic resonance imaging from gaseous oxygen. <i>Journal of Magnetic Resonance Imaging</i> , <b>1995</b> , 5, 443-5	5.6	19
16	A deconvolution algorithm for multi-echo functional MRI: Multi-echo Sparse Paradigm Free Mapping. <i>NeuroImage</i> , <b>2019</b> , 202, 116081	7.9	12
15	Detecting and harmonizing scanner differences in the ABCD study - annual release 1.0		11

14	Theta-burst TMS to the posterior superior temporal sulcus decreases resting-state fMRI connectivity across the face processing network. <i>Network Neuroscience</i> , <b>2020</b> , 4, 746-760	5.6	7
13	Higher and deeper: Bringing layer fMRI to association cortex. <i>Progress in Neurobiology</i> , <b>2020</b> , 101930	10.9	6
12	Physiological basis of vascular autocalibration (VasA): Comparison to hypercapnia calibration methods. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 1168-1173	4.4	4
11	Event-related fMRI of tasks involving brief motion <b>1999</b> , 7, 106		4
10	Quantitative Deconvolution of fMRI Data with Multi-echo Sparse Paradigm Free Mapping. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 311-319	0.9	2
9	QUIPSS II with thin-slice T11 periodic saturation: A method for improving accuracy of quantitative perfusion imaging using pulsed arterial spin labeling <b>1999</b> , 41, 1246		2
8	Comparison of simultaneously measured perfusion and BOLD signal increases during brain activation with T1-based tissue identification <b>2000</b> , 44, 137		2
7	The positive-negative mode link between brain connectivity, demographics and behaviour: a pre-registered replication of Smith . (2015).. <i>Royal Society Open Science</i> , <b>2022</b> , 9, 201090	3.3	1
6	TE-dependent analysis of multi-echo fMRI with tedana. <i>Journal of Open Source Software</i> , <b>2021</b> , 6, 3669	5.2	1
5	Computationally replicating the Smith et al. (2015) positive-negative mode linking functional connectivity and subject measures		1
4	LayNii: A software suite for layer-fMRI		1
3	Imaging the spontaneous flow of thought: Distinct periods of cognition contribute to dynamic functional connectivity during rest		1
2	Thetaburst TMS to the posterior superior temporal sulcus decreases resting-state fMRI connectivity across the face processing network		1
1	Leslie Ungerleider, 1946-2020: Who, what, and where. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118, e2102784118	11.5	0