Peter A Bandettini

List of Publications by Year in Descending Order

49 papers	7,530 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	The positive-negative mode link between brain connectivity, demographics and behaviour: a pre-registered replication of Smith . (2015).. *Royal Society Open Science*, **2022**, 9, 201090	3.3	1
48	TE-dependent analysis of multi-echo fMRI with tedana. *Journal of Open Source Software*, **2021**, 6, 3669	5.2	1
47	Leslie Ungerleider, 1946–2020: Who, what, and where. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, e2102784118	11.5	0
46	Layer-dependent functional connectivity methods. *Progress in Neurobiology*, **2020**, 101835	10.9	28
45	Sub-millimeter fMRI reveals multiple topographical digit representations that form action maps in human motor cortex. *NeuroImage*, **2020**, 208, 116463	7.9	31
44	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	5.6	7
43	Higher and deeper: Bringing layer fMRI to association cortex. *Progress in Neurobiology*, **2020**, 101930	10.9	6
42	Layer-dependent activity in human prefrontal cortex during working memory. *Nature Neuroscience*, **2019**, 22, 1687-1695	25.5	65
41	Layer-specific activation of sensory input and predictive feedback in the human primary somatosensory cortex. *Science Advances*, **2019**, 5, eaav9053	14.3	27
40	A deconvolution algorithm for multi-echo functional MRI: Multi-echo Sparse Paradigm Free Mapping. *NeuroImage*, **2019**, 202, 116081	7.9	12
39	The Integration of Functional Brain Activity from Adolescence to Adulthood. *Journal of Neuroscience*, **2018**, 38, 3559-3570	6.6	20
38	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	11.5	163
37	Ultra-high resolution blood volume fMRI and BOLD fMRI in humans at 9.4 T: Capabilities and challenges. *NeuroImage*, **2018**, 178, 769-779	7.9	24
36	Task-based dynamic functional connectivity: Recent findings and open questions. *NeuroImage*, **2018** , 180, 526-533	7.9	141
35	Quantitative Deconvolution of fMRI Data with Multi-echo Sparse Paradigm Free Mapping. *Lecture Notes in Computer Science*, **2018**, 311-319	0.9	2
34	Physiological basis of vascular autocalibration (VasA): Comparison to hypercapnia calibration methods. *Magnetic Resonance in Medicine*, **2017**, 78, 1168-1173	4.4	4
33	Multi-echo fMRI: A review of applications in fMRI denoising and analysis of BOLD signals. *NeuroImage*, **2017**, 154, 59-80	7.9	124

32	Time-Resolved Resting-State Functional Magnetic Resonance Imaging Analysis: Current Status, Challenges, and New Directions. *Brain Connectivity*, **2017**, 7, 465-481	2.7	53
31	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	13.9	152
30	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	7.9	27
29	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, 8762-7	11.5	202
28	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	4.1	36
27	Separating slow BOLD from non-BOLD baseline drifts using multi-echo fMRI. *NeuroImage*, **2015**, 105, 189-97	7.9	42
26	Resting-state fMRI confounds and cleanup. *NeuroImage*, **2013**, 80, 349-59	7.9	460
25	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, 16187-92	11.5	216
24	Differentiating BOLD and non-BOLD signals in fMRI time series using multi-echo EPI. *NeuroImage*, **2012**, 60, 1759-70	7.9	331
23	Periodic changes in fMRI connectivity. *NeuroImage*, **2012**, 63, 1712-9	7.9	279
22	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, 5487-92	11.5	242
21	Event-related fMRI contrast when using constant interstimulus interval: theory and experiment. *Magnetic Resonance in Medicine*, **2000**, 43, 540-8	4.4	179
20	Comparison of simultaneously measured perfusion and BOLD signal increases during brain activation with T(1)-based tissue identification. *Magnetic Resonance in Medicine*, **2000**, 44, 137-43	4.4	117
19	Comparison of simultaneously measured perfusion and BOLD signal increases during brain activation with T1-based tissue identification **2000**, 44, 137		2
18	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, 1246-54	4.4	411
17	Event-related fMRI of tasks involving brief motion. *Human Brain Mapping*, **1999**, 7, 106-14	5.9	229
16	Event-related fMRI of tasks involving brief motion **1999**, 7, 106		4
15	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

14	Functional MRI of brain activation induced by scanner acoustic noise. *Magnetic Resonance in Medicine*, **1998**, 39, 410-6	4.4	200
13	Magnetic field changes in the human brain due to swallowing or speaking. *Magnetic Resonance in Medicine*, **1998**, 40, 55-60	4.4	134
12	Single-shot half k-space high-resolution gradient-recalled EPI for fMRI at 3 Tesla. *Magnetic Resonance in Medicine*, **1998**, 40, 754-62	4.4	84
11	Simultaneous gradient-echo/spin-echo EPI of graded ischemia in human skeletal muscle. *Journal of Magnetic Resonance Imaging*, **1998**, 8, 1106-13	5.6	54
10	A hypercapnia-based normalization method for improved spatial localization of human brain activation with fMRI. *NMR in Biomedicine*, **1997**, 10, 197-203	4.4	161
9	Artifacts in functional magnetic resonance imaging from gaseous oxygen. *Journal of Magnetic Resonance Imaging*, **1995**, 5, 443-5	5.6	19
8	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	4.4	269
7	Processing strategies for time-course data sets in functional MRI of the human brain. *Magnetic Resonance in Medicine*, **1993**, 30, 161-73	4.4	1484
6	Time course EPI of human brain function during task activation. *Magnetic Resonance in Medicine*, **1992**, 25, 390-7	4.4	1470
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	Detecting and harmonizing scanner differences in the ABCD study - annual release 1.0		11
2	Imaging the spontaneous flow of thought: Distinct periods of cognition contribute to dynamic functional connectivity during rest		1
1	Thetaburst TMS to the posterior superior temporal sulcus decreases resting-state fMRI connectivity across the face processing network		1