Steven E Petersen

List of Publications by Citations

43 papers	27,748 citations	33 h-index	47 g-index
47 ext. papers	33,989 ext. citations	9.8 avg, IF	7.24 L-index

#	Paper	IF	Citations
43	The attention system of the human brain. *Annual Review of Neuroscience*, **1990**, 13, 25-42	17	5705
42	Spurious but systematic correlations in functional connectivity MRI networks arise from subject motion. *NeuroImage*, **2012**, 59, 2142-54	7.9	4817
41	Functional network organization of the human brain. *Neuron*, **2011**, 72, 665-78	13.9	2477
40	Distinct brain networks for adaptive and stable task control in humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 11073-8	11.5	1857
39	Methods to detect, characterize, and remove motion artifact in resting state fMRI. *NeuroImage*, **2014**, 84, 320-41	7.9	1793
38	The attention system of the human brain: 20 years after. *Annual Review of Neuroscience*, **2012**, 35, 73-89	17	1758
37	A core system for the implementation of task sets. *Neuron*, **2006**, 50, 799-812	13.9	1335
36	A dual-networks architecture of top-down control. *Trends in Cognitive Sciences*, **2008**, 12, 99-105	14	1288
35	Functional brain networks develop from a "local to distributed" organization. *PLoS Computational Biology*, **2009**, 5, e1000381	5	1040
34	Intrinsic and task-evoked network architectures of the human brain. *Neuron*, **2014**, 83, 238-51	13.9	933
33	Generation and Evaluation of a Cortical Area Parcellation from Resting-State Correlations. *Cerebral Cortex*, **2016**, 26, 288-303	5.1	697
32	Precision Functional Mapping of Individual Human Brains. *Neuron*, **2017**, 95, 791-807.e7	13.9	524
31	Evidence for hubs in human functional brain networks. *Neuron*, **2013**, 79, 798-813	13.9	499
30	Functional System and Areal Organization of a Highly Sampled Individual Human Brain. *Neuron*, **2015**, 87, 657-70	13.9	498
29	Functional Brain Networks Are Dominated by Stable Group and Individual Factors, Not Cognitive or Daily Variation. *Neuron*, **2018**, 98, 439-452.e5	13.9	367
28	Brain Networks and Cognitive Architectures. *Neuron*, **2015**, 88, 207-19	13.9	276
27	On the Stability of BOLD fMRI Correlations. *Cerebral Cortex*, **2017**, 27, 4719-4732	5.1	274

26	Steps toward optimizing motion artifact removal in functional connectivity MRI; a reply to Carp. *NeuroImage*, **2013**, 76, 439-41	7.9	248
25	Long-term neural and physiological phenotyping of a single human. *Nature Communications*, **2015**, 6, 8885	17.4	237
24	Individual-specific features of brain systems identified with resting state functional correlations. *NeuroImage*, **2017**, 146, 918-939	7.9	130
23	Spatial and Temporal Organization of the Individual Human Cerebellum. *Neuron*, **2018**, 100, 977-993.e7	13.9	127
22	Individual Variability of the System-Level Organization of the Human Brain. *Cerebral Cortex*, **2017**, 27, 386-399	5.1	117
21	Trait-like variants in human functional brain networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 22851-22861	11.5	80
20	Evidence for Two Independent Factors that Modify Brain Networks to Meet Task Goals. *Cell Reports* , **2016**, 17, 1276-1288	10.6	74
19	Integrative and Network-Specific Connectivity of the Basal Ganglia and Thalamus Defined in Individuals. *Neuron*, **2020**, 105, 742-758.e6	13.9	74
18	Correction of respiratory artifacts in MRI head motion estimates. *NeuroImage*, **2020**, 208, 116400	7.9	74
17	Control networks and hubs. *Psychophysiology*, **2018**, 55, e13032	4.1	74
16	Three Distinct Sets of Connector Hubs Integrate Human Brain Function. *Cell Reports*, **2018**, 24, 1687-1695.e4	10.6	62
15	Towards Reproducible Brain-Wide Association Studies		54
14	Plasticity and Spontaneous Activity Pulses in Disused Human Brain Circuits. *Neuron*, **2020**, 107, 580-589.e6	13.9	49
13	Medial temporal lobe BOLD activity at rest predicts individual differences in memory ability in healthy young adults. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 18555-60	11.5	48
12	Default-mode network streams for coupling to language and control systems. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 17308-17319	11.5	47
11	Defining Individual-Specific Functional Neuroanatomy for Precision Psychiatry. *Biological Psychiatry*, **2020**, 88, 28-39	7.9	44
10	Emergent Functional Network Effects in Parkinson Disease. *Cerebral Cortex*, **2019**, 29, 2509-2523	5.1	26
9	A Critical, Event-Related Appraisal of Denoising in Resting-State fMRI Studies. *Cerebral Cortex*, **2020** , 30, 5544-5559	5.1	13

8	Dorsal Anterior Cingulate, Medial Superior Frontal Cortex, and Anterior Insula Show Performance Reporting-Related Late Task Control Signals. *Cerebral Cortex*, **2017**, 27, 2154-2165	5.1	10
7	Probabilistic mapping of human functional brain networks identifies regions of high group consensus. *NeuroImage*, **2021**, 237, 118164	7.9	7
6	Cingulo-opercular control network and disused motor circuits joined in standby mode. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	6
5	Cingulo-Opercular Control Network Supports Disused Motor Circuits in Standby Mode		4
4	Human Fronto-Striatal Connectivity is Organized into Discrete Functional Subnetworks		2
3	Probabilistic mapping of human functional brain networks identifies regions of high group consensus		1
2	Individualized Functional Subnetworks Connect Human Striatum and Frontal Cortex. *Cerebral Cortex*, **2021**,	5.1	1
1	Accuracy and Reliability of Diffusion Imaging Models.. *NeuroImage*, **2022**, 119138	7.9	0