

Steven L Petersen

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

27,450
citations

50276

46
h-index

62596

80
g-index

84
all docs

84
docs citations

84
times ranked

21009
citing authors

#	ARTICLE	IF	CITATIONS
1	Spurious but systematic correlations in functional connectivity MRI networks arise from subject motion. <i>NeuroImage</i> , 2012, 59, 2142-2154.	4.2	6,516
2	Methods to detect, characterize, and remove motion artifact in resting state fMRI. <i>NeuroImage</i> , 2014, 84, 320-341.	4.2	2,881
3	The Attention System of the Human Brain: 20 Years After. <i>Annual Review of Neuroscience</i> , 2012, 35, 73-89.	10.7	2,350
4	Common Blood Flow Changes across Visual Tasks: II. Decreases in Cerebral Cortex. <i>Journal of Cognitive Neuroscience</i> , 1997, 9, 648-663.	2.3	1,690
5	Intrinsic and Task-Evoked Network Architectures of the Human Brain. <i>Neuron</i> , 2014, 83, 238-251.	8.1	1,369
6	Generation and Evaluation of a Cortical Area Parcellation from Resting-State Correlations. <i>Cerebral Cortex</i> , 2016, 26, 288-303.	2.9	1,132
7	Precision Functional Mapping of Individual Human Brains. <i>Neuron</i> , 2017, 95, 791-807.e7.	8.1	948
8	Recent progress and outstanding issues in motion correction in resting state fMRI. <i>NeuroImage</i> , 2015, 105, 536-551.	4.2	870
9	Reproducible brain-wide association studies require thousands of individuals. <i>Nature</i> , 2022, 603, 654-660.	27.8	842
10	Functional System and Areal Organization of a Highly Sampled Individual Human Brain. <i>Neuron</i> , 2015, 87, 657-670.	8.1	785
11	Decreased segregation of brain systems across the healthy adult lifespan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4997-5006.	7.1	678
12	Functional Brain Networks Are Dominated by Stable Group and Individual Factors, Not Cognitive or Daily Variation. <i>Neuron</i> , 2018, 98, 439-452.e5.	8.1	665
13	On the Stability of BOLD fMRI Correlations. <i>Cerebral Cortex</i> , 2017, 27, 4719-4732.	2.9	403
14	Brain Networks and Cognitive Architectures. <i>Neuron</i> , 2015, 88, 207-219.	8.1	398
15	Frontal cortex contributes to human memory formation. <i>Nature Neuroscience</i> , 1999, 2, 311-314.	14.8	356
16	Long-term neural and physiological phenotyping of a single human. <i>Nature Communications</i> , 2015, 6, 8885.	12.8	353
17	Concepts and principles in the analysis of brain networks. <i>Annals of the New York Academy of Sciences</i> , 2011, 1224, 126-146.	3.8	272
18	Network measures predict neuropsychological outcome after brain injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14247-14252.	7.1	240

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19	Studying Brain Organization via Spontaneous fMRI Signal. <i>Neuron</i> , 2014, 84, 681-696.	8.1	239
20	Evaluation of Denoising Strategies to Address Motion-Related Artifacts in Resting-State Functional Magnetic Resonance Imaging Data from the Human Connectome Project. <i>Brain Connectivity</i> , 2016, 6, 669-680.	1.7	226
21	Spatial and Temporal Organization of the Individual Human Cerebellum. <i>Neuron</i> , 2018, 100, 977-993.e7.	8.1	201
22	Individual-specific features of brain systems identified with resting state functional correlations. <i>NeuroImage</i> , 2017, 146, 918-939.	4.2	195
23	Common Blood Flow Changes across Visual Tasks: I. Increases in Subcortical Structures and Cerebellum but Not in Nonvisual Cortex. <i>Journal of Cognitive Neuroscience</i> , 1997, 9, 624-647.	2.3	176
24	Re-emergence of modular brain networks in stroke recovery. <i>Cortex</i> , 2018, 101, 44-59.	2.4	173
25	The mixed block/event-related design. <i>NeuroImage</i> , 2012, 62, 1177-1184.	4.2	167
26	An approach for parcellating human cortical areas using resting-state correlations. <i>NeuroImage</i> , 2014, 93, 276-291.	4.2	167
27	Correction of respiratory artifacts in MRI head motion estimates. <i>NeuroImage</i> , 2020, 208, 116400.	4.2	161
28	Trait-like variants in human functional brain networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22851-22861.	7.1	153
29	Behavioral interventions for reducing head motion during MRI scans in children. <i>NeuroImage</i> , 2018, 171, 234-245.	4.2	149
30	Integrative and Network-Specific Connectivity of the Basal Ganglia and Thalamus Defined in Individuals. <i>Neuron</i> , 2020, 105, 742-758.e6.	8.1	148
31	A set of functionally-defined brain regions with improved representation of the subcortex and cerebellum. <i>NeuroImage</i> , 2020, 206, 116290.	4.2	143
32	Retrieval Success is Accompanied by Enhanced Activation in Anterior Prefrontal Cortex During Recognition Memory: An Event-Related fMRI Study. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 965-976.	2.3	142
33	Control networks and hubs. <i>Psychophysiology</i> , 2018, 55, e13032.	2.4	137
34	Evidence for Two Independent Factors that Modify Brain Networks to Meet Task Goals. <i>Cell Reports</i> , 2016, 17, 1276-1288.	6.4	128
35	Parcellating an Individual Subject's Cortical and Subcortical Brain Structures Using Snowball Sampling of Resting-State Correlations. <i>Cerebral Cortex</i> , 2014, 24, 2036-2054.	2.9	115
36	Plasticity and Spontaneous Activity Pulses in Disused Human Brain Circuits. <i>Neuron</i> , 2020, 107, 580-589.e6.	8.1	114

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37	Three Distinct Sets of Connector Hubs Integrate Human Brain Function. Cell Reports, 2018, 24, 1687-1695.e4.	6.4	113
38	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.	7.1	113
39	Defining Individual-Specific Functional Neuroanatomy for Precision Psychiatry. Biological Psychiatry, 2020, 88, 28-39.	1.3	109
40	Joint Attention and Brain Functional Connectivity in Infants and Toddlers. Cerebral Cortex, 2017, 27, 1709-1720.	2.9	103
41	The VWFA: it's not just for words anymore. Frontiers in Human Neuroscience, 2014, 8, 88.	2.0	101
42	Evaluating the Prediction of Brain Maturity From Functional Connectivity After Motion Artifact Denoising. Cerebral Cortex, 2019, 29, 2455-2469.	2.9	73
43	Spatial and Temporal Characteristics of Error-Related Activity in the Human Brain. Journal of Neuroscience, 2015, 35, 253-266.	3.6	69
44	Searching for activations that generalize over tasks. , 1997, 5, 317-322.		68
45	Separable responses to error, ambiguity, and reaction time in cingulo-opercular task control regions. NeuroImage, 2014, 99, 59-68.	4.2	68
46	On Global fMRI Signals and Simulations. Trends in Cognitive Sciences, 2017, 21, 911-913.	7.8	66
47	Removal of high frequency contamination from motion estimates in single-band fMRI saves data without biasing functional connectivity. NeuroImage, 2020, 217, 116866.	4.2	62
48	Multivariate pattern classification of pediatric Tourette syndrome using functional connectivity <scp>MRI</scp>. Developmental Science, 2016, 19, 581-598.	2.4	60
49	Machine Learning With Neuroimaging: Evaluating Its Applications in Psychiatry. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 791-798.	1.5	58
50	Emergent Functional Network Effects in Parkinson Disease. Cerebral Cortex, 2019, 29, 2509-2523.	2.9	56
51	Restricted and Repetitive Behavior and Brain Functional Connectivity in Infants at Risk for Developing Autism Spectrum Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 50-61.	1.5	53
52	Unmasking Language Lateralization in Human Brain Intrinsic Activity. Cerebral Cortex, 2016, 26, 1733-1746.	2.9	46
53	Atypical Functional Connectivity in Tourette Syndrome Differs Between Children and Adults. Biological Psychiatry, 2020, 87, 164-173.	1.3	45
54	Network variants are similar between task and rest states. NeuroImage, 2021, 229, 117743.	4.2	41

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55	Preparatory Engagement of Cognitive Control Networks Increases Late in Childhood. Cerebral Cortex, 2017, 27, 2139-2153.	2.9	40
56	Amygdala Reward Reactivity Mediates the Association Between Preschool Stress Response and Depression Severity. Biological Psychiatry, 2018, 83, 128-136.	1.3	35
57	Increased Functional Vascular Response in the Region of a Glioma. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 148-153.	4.3	31
58	Probabilistic mapping of human functional brain networks identifies regions of high group consensus. NeuroImage, 2021, 237, 118164.	4.2	28
59	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, .	7.1	27
60	A Critical, Event-Related Appraisal of Denoising in Resting-State fMRI Studies. Cerebral Cortex, 2020, 30, 5544-5559.	2.9	26
61	Selective Attention Modulates Extrastriate Visual Regions in Humans During Visual Feature Discrimination and Recognition. Novartis Foundation Symposium, 1991, 163, 165-180.	1.1	24
62	Reward-related regions form a preferentially coupled system at rest. Human Brain Mapping, 2019, 40, 361-376.	3.6	23
63	Regional, not global, functional connectivity contributes to isolated focal dystonia. Neurology, 2020, 95, e2246-e2258.	1.1	23
64	Dorsal Anterior Cingulate, Medial Superior Frontal Cortex, and Anterior Insula Show Performance Reporting-Related Late Task Control Signals. Cerebral Cortex, 2017, 27, bhw053.	2.9	22
65	Separable Roles for Attentional Control Sub-Systems in Reading Tasks: A Combined Behavioral and fMRI Study. Cerebral Cortex, 2015, 25, 1198-1218.	2.9	21
66	Individualized Functional Subnetworks Connect Human Striatum and Frontal Cortex. Cerebral Cortex, 2022, 32, 2868-2884.	2.9	20
67	Attention Alterations in Pediatric Anxiety: Evidence From Behavior and Neuroimaging. Biological Psychiatry, 2021, 89, 726-734.	1.3	15
68	Accuracy and reliability of diffusion imaging models. NeuroImage, 2022, 254, 119138.	4.2	13
69	Network-specific selectivity of functional connections in the neonatal brain. Cerebral Cortex, 2023, 33, 2200-2214.	2.9	13
70	The Teenage Brain. Current Directions in Psychological Science, 2013, 22, 101-107.	5.3	11
71	Assessing the Relationship between Ground Measurements and Object-Based Image Analysis of Land Cover Classes in Pinyon and Juniper Woodlands. Photogrammetric Engineering and Remote Sensing, 2013, 79, 799-808.	0.6	11
72	High-fidelity mapping of repetition-related changes in the parietal memory network. NeuroImage, 2019, 199, 427-439.	4.2	10

#	ARTICLE	IF	CITATIONS
73	Maturation of large-scale brain systems over the first month of life. Cerebral Cortex, 2023, 33, 2788-2803.	2.9	8
74	Brain function distinguishes female carriers and non-carriers of familial risk for autism. Molecular Autism, 2020, 11, 82.	4.9	7
75	Improving dryland seedling recruitment using fungicide seed coatings. Ecological Solutions and Evidence, 2022, 3, .	2.0	6
76	Children Use Regions in the Visual Processing and Executive Function Networks during a Subsequent Memory Reading Task. Cerebral Cortex, 2019, 29, 5180-5189.	2.9	4
77	Individual Brain Maturity: From Electrophysiology to fMRI Response. Brain Topography, 2011, 24, 189-191.	1.8	2
78	Post-fire succession of seeding treatments in relation to reference communities in the Great Basin. Applied Vegetation Science, 2022, 25, .	1.9	1
79	A Practical Assessment of Using sUASs (Drones) to Detect and Quantify Wright Fishhook Cactus (Sclerocactus wrightiae L.D. Benson) Populations in Desert Grazinglands. Land, 2022, 11, 655.	2.9	0