

Steven L Petersen

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

27,450
citations

57681

46
h-index

71088

80
g-index

84
all docs

84
docs citations

84
times ranked

23654
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.	2.1	6,516
2	Methods to detect, characterize, and remove motion artifact in resting state fMRI. <i>NeuroImage</i> , 2014, 84, 320-341.	2.1	2,881
3	The Attention System of the Human Brain: 20 Years After. <i>Annual Review of Neuroscience</i> , 2012, 35, 73-89.	5.0	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.	1.1	1,690
5	Intrinsic and Task-Evoked Network Architectures of the Human Brain. <i>Neuron</i> , 2014, 83, 238-251.	3.8	1,369
6	Generation and Evaluation of a Cortical Area Parcellation from Resting-State Correlations. <i>Cerebral Cortex</i> , 2016, 26, 288-303.	1.6	1,132
7	Precision Functional Mapping of Individual Human Brains. <i>Neuron</i> , 2017, 95, 791-807.e7.	3.8	948
8	Recent progress and outstanding issues in motion correction in resting state fMRI. <i>NeuroImage</i> , 2015, 105, 536-551.	2.1	870
9	Reproducible brain-wide association studies require thousands of individuals. <i>Nature</i> , 2022, 603, 654-660.	13.7	842
10	Functional System and Areal Organization of a Highly Sampled Individual Human Brain. <i>Neuron</i> , 2015, 87, 657-670.	3.8	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.	3.3	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.	3.8	665
13	On the Stability of BOLD fMRI Correlations. <i>Cerebral Cortex</i> , 2017, 27, 4719-4732.	1.6	403
14	Brain Networks and Cognitive Architectures. <i>Neuron</i> , 2015, 88, 207-219.	3.8	398
15	Frontal cortex contributes to human memory formation. <i>Nature Neuroscience</i> , 1999, 2, 311-314.	7.1	356
16	Long-term neural and physiological phenotyping of a single human. <i>Nature Communications</i> , 2015, 6, 8885.	5.8	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.	1.8	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.	3.3	240

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19	Studying Brain Organization via Spontaneous fMRI Signal. <i>Neuron</i> , 2014, 84, 681-696.	3.8	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.	0.8	226
21	Spatial and Temporal Organization of the Individual Human Cerebellum. <i>Neuron</i> , 2018, 100, 977-993.e7.	3.8	201
22	Individual-specific features of brain systems identified with resting state functional correlations. <i>NeuroImage</i> , 2017, 146, 918-939.	2.1	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.	1.1	176
24	Re-emergence of modular brain networks in stroke recovery. <i>Cortex</i> , 2018, 101, 44-59.	1.1	173
25	The mixed block/event-related design. <i>NeuroImage</i> , 2012, 62, 1177-1184.	2.1	167
26	An approach for parcellating human cortical areas using resting-state correlations. <i>NeuroImage</i> , 2014, 93, 276-291.	2.1	167
27	Correction of respiratory artifacts in MRI head motion estimates. <i>NeuroImage</i> , 2020, 208, 116400.	2.1	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.	3.3	153
29	Behavioral interventions for reducing head motion during MRI scans in children. <i>NeuroImage</i> , 2018, 171, 234-245.	2.1	149
30	Integrative and Network-Specific Connectivity of the Basal Ganglia and Thalamus Defined in Individuals. <i>Neuron</i> , 2020, 105, 742-758.e6.	3.8	148
31	A set of functionally-defined brain regions with improved representation of the subcortex and cerebellum. <i>NeuroImage</i> , 2020, 206, 116290.	2.1	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.	1.1	142
33	Control networks and hubs. <i>Psychophysiology</i> , 2018, 55, e13032.	1.2	137
34	Evidence for Two Independent Factors that Modify Brain Networks to Meet Task Goals. <i>Cell Reports</i> , 2016, 17, 1276-1288.	2.9	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.	1.6	115
36	Plasticity and Spontaneous Activity Pulses in Disused Human Brain Circuits. <i>Neuron</i> , 2020, 107, 580-589.e6.	3.8	114

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37	Three Distinct Sets of Connector Hubs Integrate Human Brain Function. <i>Cell Reports</i> , 2018, 24, 1687-1695.e4.	2.9	113
38	Default-mode network streams for coupling to language and control systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17308-17319.	3.3	113
39	Defining Individual-Specific Functional Neuroanatomy for Precision Psychiatry. <i>Biological Psychiatry</i> , 2020, 88, 28-39.	0.7	109
40	Joint Attention and Brain Functional Connectivity in Infants and Toddlers. <i>Cerebral Cortex</i> , 2017, 27, 1709-1720.	1.6	103
41	The VWFA: it's not just for words anymore. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 88.	1.0	101
42	Evaluating the Prediction of Brain Maturity From Functional Connectivity After Motion Artifact Denoising. <i>Cerebral Cortex</i> , 2019, 29, 2455-2469.	1.6	73
43	Spatial and Temporal Characteristics of Error-Related Activity in the Human Brain. <i>Journal of Neuroscience</i> , 2015, 35, 253-266.	1.7	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. <i>NeuroImage</i> , 2014, 99, 59-68.	2.1	68
46	On Global fMRI Signals and Simulations. <i>Trends in Cognitive Sciences</i> , 2017, 21, 911-913.	4.0	66
47	Removal of high frequency contamination from motion estimates in single-band fMRI saves data without biasing functional connectivity. <i>NeuroImage</i> , 2020, 217, 116866.	2.1	62
48	Multivariate pattern classification of pediatric Tourette syndrome using functional connectivity <scp>MRI</scp>. <i>Developmental Science</i> , 2016, 19, 581-598.	1.3	60
49	Machine Learning With Neuroimaging: Evaluating Its Applications in Psychiatry. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 791-798.	1.1	58
50	Emergent Functional Network Effects in Parkinson Disease. <i>Cerebral Cortex</i> , 2019, 29, 2509-2523.	1.6	56
51	Restricted and Repetitive Behavior and Brain Functional Connectivity in Infants at Risk for Developing Autism Spectrum Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 50-61.	1.1	53
52	Unmasking Language Lateralization in Human Brain Intrinsic Activity. <i>Cerebral Cortex</i> , 2016, 26, 1733-1746.	1.6	46
53	Atypical Functional Connectivity in Tourette Syndrome Differs Between Children and Adults. <i>Biological Psychiatry</i> , 2020, 87, 164-173.	0.7	45
54	Network variants are similar between task and rest states. <i>NeuroImage</i> , 2021, 229, 117743.	2.1	41

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55	Preparatory Engagement of Cognitive Control Networks Increases Late in Childhood. <i>Cerebral Cortex</i> , 2017, 27, 2139-2153.	1.6	40
56	Amygdala Reward Reactivity Mediates the Association Between Preschool Stress Response and Depression Severity. <i>Biological Psychiatry</i> , 2018, 83, 128-136.	0.7	35
57	Increased Functional Vascular Response in the Region of a Glioma. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 148-153.	2.4	31
58	Probabilistic mapping of human functional brain networks identifies regions of high group consensus. <i>NeuroImage</i> , 2021, 237, 118164.	2.1	28
59	Cingulo-opercular control network and disused motor circuits joined in standby mode. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	27
60	A Critical, Event-Related Appraisal of Denoising in Resting-State fMRI Studies. <i>Cerebral Cortex</i> , 2020, 30, 5544-5559.	1.6	26
61	Selective Attention Modulates Extrastriate Visual Regions in Humans During Visual Feature Discrimination and Recognition. <i>Novartis Foundation Symposium</i> , 1991, 163, 165-180.	1.2	24
62	Reward-related regions form a preferentially coupled system at rest. <i>Human Brain Mapping</i> , 2019, 40, 361-376.	1.9	23
63	Regional, not global, functional connectivity contributes to isolated focal dystonia. <i>Neurology</i> , 2020, 95, e2246-e2258.	1.5	23
64	Dorsal Anterior Cingulate, Medial Superior Frontal Cortex, and Anterior Insula Show Performance Reporting-Related Late Task Control Signals. <i>Cerebral Cortex</i> , 2017, 27, bhw053.	1.6	22
65	Separable Roles for Attentional Control Sub-Systems in Reading Tasks: A Combined Behavioral and fMRI Study. <i>Cerebral Cortex</i> , 2015, 25, 1198-1218.	1.6	21
66	Individualized Functional Subnetworks Connect Human Striatum and Frontal Cortex. <i>Cerebral Cortex</i> , 2022, 32, 2868-2884.	1.6	20
67	Attention Alterations in Pediatric Anxiety: Evidence From Behavior and Neuroimaging. <i>Biological Psychiatry</i> , 2021, 89, 726-734.	0.7	15
68	Accuracy and reliability of diffusion imaging models. <i>NeuroImage</i> , 2022, 254, 119138.	2.1	13
69	Network-specific selectivity of functional connections in the neonatal brain. <i>Cerebral Cortex</i> , 2023, 33, 2200-2214.	1.6	13
70	The Teenage Brain. <i>Current Directions in Psychological Science</i> , 2013, 22, 101-107.	2.8	11
71	Assessing the Relationship between Ground Measurements and Object-Based Image Analysis of Land Cover Classes in Pinyon and Juniper Woodlands. <i>Photogrammetric Engineering and Remote Sensing</i> , 2013, 79, 799-808.	0.3	11
72	High-fidelity mapping of repetition-related changes in the parietal memory network. <i>NeuroImage</i> , 2019, 199, 427-439.	2.1	10

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73	Maturation of large-scale brain systems over the first month of life. <i>Cerebral Cortex</i> , 2023, 33, 2788-2803.	1.6	8
74	Brain function distinguishes female carriers and non-carriers of familial risk for autism. <i>Molecular Autism</i> , 2020, 11, 82.	2.6	7
75	Improving dryland seedling recruitment using fungicide seed coatings. <i>Ecological Solutions and Evidence</i> , 2022, 3, .	0.8	6
76	Children Use Regions in the Visual Processing and Executive Function Networks during a Subsequent Memory Reading Task. <i>Cerebral Cortex</i> , 2019, 29, 5180-5189.	1.6	4
77	Individual Brain Maturity: From Electrophysiology to fMRI Response. <i>Brain Topography</i> , 2011, 24, 189-191.	0.8	2
78	Post-fire succession of seeding treatments in relation to reference communities in the Great Basin. <i>Applied Vegetation Science</i> , 2022, 25, .	0.9	1
79	A Practical Assessment of Using sUASs (Drones) to Detect and Quantify Wright Fishhook Cactus (<i>Sclerocactus wrightiae</i> L.D. Benson) Populations in Desert Grazinglands. <i>Land</i> , 2022, 11, 655.	1.2	0