

# Susan Whitfield-Gabrieli

## List of Publications by Year in descending order

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116  
papers

18,207  
citations

43973

48  
h-index

22764

112  
g-index

125  
all docs

125  
docs citations

125  
times ranked

19578  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Conn</i>: A Functional Connectivity Toolbox for Correlated and Anticorrelated Brain Networks. <i>Brain Connectivity</i> , 2012, 2, 125-141.	0.8	3,641
2	Toward discovery science of human brain function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4734-4739.	3.3	2,703
3	Hyperactivity and hyperconnectivity of the default network in schizophrenia and in first-degree relatives of persons with schizophrenia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1279-1284.	3.3	1,258
4	Default Mode Network Activity and Connectivity in Psychopathology. <i>Annual Review of Clinical Psychology</i> , 2012, 8, 49-76.	6.3	1,137
5	Anticorrelations in resting state networks without global signal regression. <i>NeuroImage</i> , 2012, 59, 1420-1428.	2.1	894
6	Prediction as a Humanitarian and Pragmatic Contribution from Human Cognitive Neuroscience. <i>Neuron</i> , 2015, 85, 11-26.	3.8	469
7	Neural systems predicting long-term outcome in dyslexia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 361-366.	3.3	404
8	Associations and dissociations between default and self-reference networks in the human brain. <i>NeuroImage</i> , 2011, 55, 225-232.	2.1	349
9	Dynamic Resting-State Functional Connectivity in Major Depression. <i>Neuropsychopharmacology</i> , 2016, 41, 1822-1830.	2.8	348
10	Functional and morphometric brain dissociation between dyslexia and reading ability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4234-4239.	3.3	342
11	Sex Differences in Stress Response Circuitry Activation Dependent on Female Hormonal Cycle. <i>Journal of Neuroscience</i> , 2010, 30, 431-438.	1.7	310
12	Development of the declarative memory system in the human brain. <i>Nature Neuroscience</i> , 2007, 10, 1198-1205.	7.1	298
13	Intrinsic functional connectivity differentiates minimally conscious from unresponsive patients. <i>Brain</i> , 2015, 138, 2619-2631.	3.7	290
14	Abnormal Medial Prefrontal Cortex Resting-State Connectivity in Bipolar Disorder and Schizophrenia. <i>Neuropsychopharmacology</i> , 2011, 36, 2009-2017.	2.8	281
15	Predicting Treatment Response in Social Anxiety Disorder From Functional Magnetic Resonance Imaging. <i>JAMA Psychiatry</i> , 2013, 70, 87.	6.0	219
16	Neural Basis of Dyslexia: A Comparison between Dyslexic and Nondyslexic Children Equated for Reading Ability. <i>Journal of Neuroscience</i> , 2006, 26, 10700-10708.	1.7	202
17	Development of Spatial and Verbal Working Memory Capacity in the Human Brain. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 316-332.	1.1	195
18	Distinct Regions of Right Temporo-Parietal Junction Are Selective for Theory of Mind and Exogenous Attention. <i>PLoS ONE</i> , 2009, 4, e4869.	1.1	194

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19	Amygdala reactivity to emotional faces predicts improvement in major depression. <i>NeuroReport</i> , 2005, 16, 1267-1270.	0.6	190
20	What about the "Self" is Processed in the Posterior Cingulate Cortex?. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 647.	1.0	190
21	Resting-state anticorrelations between medial and lateral prefrontal cortex: Association with working memory, aging, and individual differences. <i>Cortex</i> , 2015, 64, 271-280.	1.1	183
22	Subgenual anterior cingulate activation to valenced emotional stimuli in major depression. <i>NeuroReport</i> , 2005, 16, 1731-1734.	0.6	169
23	Selective Development of Anticorrelated Networks in the Intrinsic Functional Organization of the Human Brain. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 501-513.	1.1	147
24	Brain activation to emotional words in depressed vs healthy subjects. <i>NeuroReport</i> , 2004, 15, 2585-2588.	0.6	146
25	The Brain Basis of the Phonological Deficit in Dyslexia Is Independent of IQ. <i>Psychological Science</i> , 2011, 22, 1442-1451.	1.8	140
26	Intrinsic functional network organization in high-functioning adolescents with autism spectrum disorder. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 573.	1.0	134
27	Brain Basis of Phonological Awareness for Spoken Language in Children and Its Disruption in Dyslexia. <i>Cerebral Cortex</i> , 2012, 22, 754-764.	1.6	131
28	Sex Differences in the Functional Neuroanatomy of Working Memory in Adults With ADHD. <i>American Journal of Psychiatry</i> , 2010, 167, 86-94.	4.0	123
29	Prediction of children's reading skills using behavioral, functional, and structural neuroimaging measures. <i>Behavioral Neuroscience</i> , 2007, 121, 602-613.	0.6	119
30	Functional Brain Basis of Hypnotizability. <i>Archives of General Psychiatry</i> , 2012, 69, 1064.	13.8	108
31	Functional networks reemerge during recovery of consciousness after acute severe traumatic brain injury. <i>Cortex</i> , 2018, 106, 299-308.	1.1	101
32	The Development of Brain Systems Associated with Successful Memory Retrieval of Scenes. <i>Journal of Neuroscience</i> , 2012, 32, 10012-10020.	1.7	94
33	Hyper-Connectivity of Subcortical Resting-State Networks in Social Anxiety Disorder. <i>Brain Connectivity</i> , 2014, 4, 81-90.	0.8	91
34	Stress response circuitry hypoactivation related to hormonal dysfunction in women with major depression. <i>Journal of Affective Disorders</i> , 2011, 131, 379-387.	2.0	81
35	When the brain is prepared to learn: Enhancing human learning using real-time fMRI. <i>NeuroImage</i> , 2012, 59, 846-852.	2.1	80
36	Brain differences between persistent and remitted attention deficit hyperactivity disorder. <i>Brain</i> , 2014, 137, 2423-2428.	3.7	77

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37	fMRI Activation Changes during Successful Episodic Memory Encoding and Recognition in Amnesic Mild Cognitive Impairment Relative to Cognitively Healthy Older Adults. <i>Dementia and Geriatric Cognitive Disorders</i> , 2008, 26, 123-137.	0.7	67
38	Roles of default-mode network and supplementary motor area in human vigilance performance: evidence from real-time fMRI. <i>Journal of Neurophysiology</i> , 2013, 109, 1250-1258.	0.9	67
39	Computing moment-to-moment BOLD activation for real-time neurofeedback. <i>NeuroImage</i> , 2011, 54, 361-368.	2.1	65
40	Physiological consequences of abnormal connectivity in a developmental epilepsy. <i>Annals of Neurology</i> , 2015, 77, 487-503.	2.8	64
41	Striatal Hypersensitivity During Stress in Remitted Individuals with Recurrent Depression. <i>Biological Psychiatry</i> , 2015, 78, 67-76.	0.7	64
42	Abnormal structural and functional brain connectivity in gray matter heterotopia. <i>Epilepsia</i> , 2012, 53, 1024-1032.	2.6	62
43	Neural Markers of Resilience in Adolescent Females at Familial Risk for Major Depressive Disorder. <i>JAMA Psychiatry</i> , 2018, 75, 493.	6.0	62
44	Disrupted Cerebrocerebellar Intrinsic Functional Connectivity in Young Adults with High-Functioning Autism Spectrum Disorder: A Data-Driven, Whole-Brain, High-Temporal Resolution Functional Magnetic Resonance Imaging Study. <i>Brain Connectivity</i> , 2019, 9, 48-59.	0.8	61
45	Development of deactivation of the default-mode network during episodic memory formation. <i>NeuroImage</i> , 2014, 84, 932-938.	2.1	57
46	Emotion regulation ability varies in relation to intrinsic functional brain architecture. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1738-1748.	1.5	57
47	Impaired functional connectivity of brain reward circuitry in patients with schizophrenia and cannabis use disorder: Effects of cannabis and THC. <i>Schizophrenia Research</i> , 2014, 158, 176-182.	1.1	55
48	What have we really learned from functional connectivity in clinical populations?. <i>NeuroImage</i> , 2021, 242, 118466.	2.1	55
49	Mindfulness training reduces stress and amygdala reactivity to fearful faces in middle-school children.. <i>Behavioral Neuroscience</i> , 2019, 133, 569-585.	0.6	55
50	Functional and structural brain correlates of risk for major depression in children with familial depression. <i>NeuroImage: Clinical</i> , 2015, 8, 398-407.	1.4	51
51	Altered Intrinsic Functional Brain Architecture in Children at Familial Risk of Major Depression. <i>Biological Psychiatry</i> , 2016, 80, 849-858.	0.7	50
52	Relationship of DAT1 and adult ADHD to task-positive and task-negative working memory networks. <i>Psychiatry Research - Neuroimaging</i> , 2011, 193, 7-16.	0.9	49
53	Functional connectome organization predicts conversion to psychosis in clinical high-risk youth from the SHARP program. <i>Molecular Psychiatry</i> , 2020, 25, 2431-2440.	4.1	49
54	Effect of dopamine transporter gene (SLC6A3) variation on dorsal anterior cingulate function in attention-deficit/hyperactivity disorder. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010, 153B, 365-375.	1.1	47

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55	Development of sensitivity versus specificity for print in the visual word form area. <i>Brain and Language</i> , 2017, 170, 62-70.	0.8	44
56	Dissociation of working memory impairments and attention-deficit/hyperactivity disorder in the brain. <i>NeuroImage: Clinical</i> , 2016, 10, 274-282.	1.4	43
57	Functional Territories of Human Dentate Nucleus. <i>Cerebral Cortex</i> , 2020, 30, 2401-2417.	1.6	43
58	Mindfulness training preserves sustained attention and resting state anticorrelation between default mode network and dorsolateral prefrontal cortex: A randomized controlled trial. <i>Human Brain Mapping</i> , 2020, 41, 5356-5369.	1.9	43
59	Brain Bases of Reading Fluency in Typical Reading and Impaired Fluency in Dyslexia. <i>PLoS ONE</i> , 2014, 9, e100552.	1.1	43
60	Brain hypoactivation, autonomic nervous system dysregulation, and gonadal hormones in depression: A preliminary study. <i>Neuroscience Letters</i> , 2012, 514, 57-61.	1.0	42
61	Lower gray matter density and functional connectivity in the anterior insula in smokers compared with never smokers. <i>Addiction Biology</i> , 2016, 21, 972-981.	1.4	42
62	Prediction of stimulus-independent and task-unrelated thought from functional brain networks. <i>Nature Communications</i> , 2021, 12, 1793.	5.8	42
63	Association of Intrinsic Brain Architecture With Changes in Attentional and Mood Symptoms During Development. <i>JAMA Psychiatry</i> , 2020, 77, 378.	6.0	40
64	Altered functional connectivity in lesional peduncular hallucinosis with REM sleep behavior disorder. <i>Cortex</i> , 2016, 74, 96-106.	1.1	39
65	Neural correlates of emotion acceptance vs worry or suppression in generalized anxiety disorder. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 1009-1021.	1.5	37
66	Integration and Segregation of Default Mode Network Resting-State Functional Connectivity in Transition-Age Males with High-Functioning Autism Spectrum Disorder: A Proof-of-Concept Study. <i>Brain Connectivity</i> , 2017, 7, 558-573.	0.8	35
67	Speech processing and plasticity in the right hemisphere predict variation in adult foreign language learning. <i>NeuroImage</i> , 2019, 192, 76-87.	2.1	34
68	Improvising at rest: Differentiating jazz and classical music training with resting state functional connectivity. <i>NeuroImage</i> , 2020, 207, 116384.	2.1	34
69	Real-time fMRI neurofeedback reduces auditory hallucinations and modulates resting state connectivity of involved brain regions: Part 2: Default mode network -preliminary evidence. <i>Psychiatry Research</i> , 2020, 284, 112770.	1.7	34
70	Understanding marijuana's effects on functional connectivity of the default mode network in patients with schizophrenia and co-occurring cannabis use disorder: A pilot investigation. <i>Schizophrenia Research</i> , 2018, 194, 70-77.	1.1	33
71	Regional GABA Concentrations Modulate Inter-network Resting-state Functional Connectivity. <i>Cerebral Cortex</i> , 2019, 29, 1607-1618.	1.6	33
72	Sex differences, hormones, and fMRI stress response circuitry deficits in psychoses. <i>Psychiatry Research - Neuroimaging</i> , 2015, 232, 226-236.	0.9	32

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73	Impact of prenatal maternal cytokine exposure on sex differences in brain circuitry regulating stress in offspring 45 years later. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	30
74	A functional MRI study of working memory in adolescents and young adults at genetic risk for bipolar disorder: preliminary findings. <i>Bipolar Disorders</i> , 2011, 13, 272-286.	1.1	28
75	Brain activity and connectivity in response to negative affective stimuli: Impact of dysphoric mood and sex across diagnoses. <i>Human Brain Mapping</i> , 2016, 37, 3733-3744.	1.9	28
76	Intrinsic Functional Brain Connectivity Predicts Onset of Major Depression Disorder in Adolescence: A Pilot Study. <i>Brain Connectivity</i> , 2019, 9, 388-398.	0.8	28
77	Integration of gray matter nodules into functional cortical circuits in periventricular heterotopia. <i>Epilepsy and Behavior</i> , 2013, 29, 400-406.	0.9	27
78	Medial temporal lobe default mode functioning and hippocampal structure as vulnerability indicators for schizophrenia: A MRI study of non-psychotic adolescent first-degree relatives. <i>Schizophrenia Research</i> , 2014, 159, 426-434.	1.1	25
79	Neural markers of depression risk predict the onset of depression. <i>Psychiatry Research - Neuroimaging</i> , 2019, 285, 31-39.	0.9	25
80	Brain functional connectivity data enhance prediction of clinical outcome in youth at risk for psychosis. <i>NeuroImage: Clinical</i> , 2020, 26, 102108.	1.4	25
81	Functional Connectivity Changes in Retired Rugby League Players: A Data-Driven Functional Magnetic Resonance Imaging Study. <i>Journal of Neurotrauma</i> , 2020, 37, 1788-1796.	1.7	24
82	Allotaxis, Action, and Affect in Depression: Insights from the Theory of Constructed Emotion. <i>Annual Review of Clinical Psychology</i> , 2022, 18, 553-580.	6.3	23
83	Resting-state Brain Connectivity Predicts Weight Loss and Cognitive Control of Eating Behavior After Vertical Sleeve Gastrectomy. <i>Obesity</i> , 2019, 27, 1846-1855.	1.5	22
84	Brain network coupling associated with cognitive performance varies as a function of a child's environment in the ABCD study. <i>Nature Communications</i> , 2021, 12, 7183.	5.8	22
85	Entorhinal cortex volume is associated with episodic memory related brain activation in normal aging and amnesic mild cognitive impairment. <i>Brain Imaging and Behavior</i> , 2011, 5, 126-136.	1.1	21
86	Functional Alterations in Cerebellar Functional Connectivity in Anxiety Disorders. <i>Cerebellum</i> , 2021, 20, 392-401.	1.4	20
87	Altered resting-state functional connectivity in young children at familial high risk for psychotic illness: A preliminary study. <i>Schizophrenia Research</i> , 2020, 216, 496-503.	1.1	19
88	Cognitive dysfunction in a psychotropic medication-naïve, clinical high-risk sample from the Shanghai-At-Risk-for-Psychosis (SHARP) study: Associations with clinical outcomes. <i>Schizophrenia Research</i> , 2020, 226, 138-146.	1.1	18
89	Cingulum-Callosal white-matter microstructure associated with emotional dysregulation in children: A diffusion tensor imaging study. <i>NeuroImage: Clinical</i> , 2020, 27, 102266.	1.4	18
90	Impaired Frontal-Limbic White Matter Maturation in Children at Risk for Major Depression. <i>Cerebral Cortex</i> , 2017, 27, 4478-4491.	1.6	16

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91	Real-time fMRI feedback impacts brain activation, results in auditory hallucinations reduction: Part 1: Superior temporal gyrus -Preliminary evidence-. Psychiatry Research, 2020, 286, 112862.	1.7	16
92	Hyperactivity of caudate, parahippocampal, and prefrontal regions during working memory in never-medicated persons at clinical high-risk for psychosis. Schizophrenia Research, 2016, 173, 1-12.	1.1	15
93	Enriching activities during childhood are associated with variations in functional connectivity patterns later in life. Neurobiology of Aging, 2021, 104, 92-101.	1.5	15
94	Intrinsic Functional Connectivity of Dentate Nuclei in Autism Spectrum Disorder. Brain Connectivity, 2019, 9, 692-702.	0.8	14
95	Exploring Functional Connectivity Networks with Multichannel Brain Array Coils. Brain Connectivity, 2013, 3, 302-315.	0.8	13
96	Image acquisition and quality assurance in the Boston Adolescent Neuroimaging of Depression and Anxiety study. NeuroImage: Clinical, 2020, 26, 102242.	1.4	13
97	How Machine Learning is Powering Neuroimaging to Improve Brain Health. Neuroinformatics, 2022, 20, 943-964.	1.5	13
98	Functional Alterations Associated with Structural Abnormalities in Adults with High-Functioning Autism Spectrum Disorder. Brain Connectivity, 2020, 10, 368-376.	0.8	12
99	Abnormal Function in Dentate Nuclei Precedes the Onset of Psychosis: A Resting-State fMRI Study in High-Risk Individuals. Schizophrenia Bulletin, 2021, 47, 1421-1430.	2.3	12
100	Resting-State Functional Connectivity and Scholastic Performance in Preadolescent Children: A Data-Driven Multivoxel Pattern Analysis (MVPA). Journal of Clinical Medicine, 2020, 9, 3198.	1.0	11
101	Atypical Balance between Occipital and Fronto-Parietal Activation for Visual Shape Extraction in Dyslexia. PLoS ONE, 2013, 8, e67331.	1.1	9
102	Impact of sex and depressed mood on the central regulation of cardiac autonomic function. Neuropsychopharmacology, 2020, 45, 1280-1288.	2.8	9
103	Resting-State Functional Connectivity of the Subthalamic Nucleus to Limbic, Associative, and Motor Networks. Brain Connectivity, 2018, 8, 22-32.	0.8	7
104	MK-Curve improves sensitivity to identify white matter alterations in clinical high risk for psychosis. NeuroImage, 2021, 226, 117564.	2.1	7
105	Resting state functional connectivity provides mechanistic predictions of future changes in sedentary behavior. Scientific Reports, 2022, 12, 940.	1.6	7
106	A comprehensive data-driven analysis framework for detecting impairments in brain function networks with resting state fMRI in HIV-infected individuals on cART. Journal of NeuroVirology, 2021, 27, 239-248.	1.0	4
107	Interaction Between Cerebellum and Cerebral Cortex, Evidence from Dynamic Causal Modeling. Cerebellum, 2022, 21, 225-233.	1.4	4
108	Intrinsic Brain Activity and Consciousness. , 2016, , 95-105.		3

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109	Altered working memory-related brain activity in children at familial high risk for psychosis: A preliminary study. <i>Schizophrenia Research</i> , 2022, 240, 186-192.	1.1	3
110	A Multimodal Imaging- and Stimulation-based Method of Evaluating Connectivity-related Brain Excitability in Patients with Epilepsy. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	2
111	Hyperactivation of Posterior Default Mode Network During Self-Referential Processing in Children at Familial High-Risk for Psychosis. <i>Frontiers in Psychiatry</i> , 2021, 12, 613142.	1.3	2
112	Response to "Cortico-accumbens circuitry in schizophrenia: Merely a reward system?" by Rolland and Jardri (SCHRES-14-D-00731). <i>Schizophrenia Research</i> , 2015, 161, 519.	1.1	1
113	The Daily Activity Study of Health (DASH): A pilot randomized controlled trial to enhance physical activity in sedentary older adults. <i>Contemporary Clinical Trials</i> , 2021, 106, 106405.	0.8	1
114	Functional MRI Methods. , 2020, , 93-112.		1
115	Connectivity Patterns Evoked by Fearful Faces Demonstrate Reduced Flexibility Across a Shared Dimension of Adolescent Anxiety and Depression. <i>Clinical Psychological Science</i> , 2023, 11, 3-22.	2.4	1
116	Cerebello-cerebral Functional Connectivity Networks in Major Depressive Disorder: a CAN-BIND-1 Study Report. <i>Cerebellum</i> , 2023, 22, 26-36.	1.4	0