

# Robert C Welsh

## List of Publications by Year in descending order

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Version: 2024-02-01

86  
papers

7,915  
citations

38720

50  
h-index

54882

84  
g-index

86  
all docs

86  
docs citations

86  
times ranked

10724  
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal surface-based spatial Bayesian GLM reveals complex trajectories of motor neurodegeneration in ALS. <i>NeuroImage</i> , 2022, , 119180.	2.1	1
2	Using Network Parcels and Resting-State Networks to Estimate Correlates of Mood Disorder and Related Research Domain Criteria Constructs of Reward Responsiveness and Inhibitory Control. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, , .	1.1	2
3	Neuropeptide Y Variation Is Associated With Altered Static and Dynamic Functional Connectivity of the Salience Network. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 629488.	1.2	1
4	Changes in brain connectivity during a sham-controlled, transcranial magnetic stimulation trial for depression. <i>Journal of Affective Disorders</i> , 2018, 232, 143-151.	2.0	58
5	Anomalous network architecture of the resting brain in children who stutter. <i>Journal of Fluency Disorders</i> , 2018, 55, 46-67.	0.7	62
6	Molecular, dynamic, and structural origin of inhomogeneous magnetization transfer in lipid membranes. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1318-1328.	1.9	42
7	Sex differences in the development of emotion circuitry in adolescents at risk for substance abuse: a longitudinal fMRI study. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 965-975.	1.5	39
8	Pathology of callosal damage in ALS: An ex-vivo, 7 T diffusion tensor MRI study. <i>NeuroImage: Clinical</i> , 2017, 15, 200-208.	1.4	40
9	Brainhack: a collaborative workshop for the open neuroscience community. <i>GigaScience</i> , 2016, 5, 16.	3.3	34
10	Amygdala and dorsomedial hyperactivity to emotional faces in youth with remitted Major Depression. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 736-745.	1.5	15
11	Reduced executive and default network functional connectivity in cigarette smokers. <i>Human Brain Mapping</i> , 2015, 36, 872-882.	1.9	81
12	Bone-Breaking Bite Force of <i>Basilosaurus isis</i> (Mammalia, Cetacea) from the Late Eocene of Egypt Estimated by Finite Element Analysis. <i>PLoS ONE</i> , 2015, 10, e0118380.	1.1	24
13	Action Processing and Mirror Neuron Function in Patients with Amyotrophic Lateral Sclerosis: An fMRI Study. <i>PLoS ONE</i> , 2015, 10, e0119862.	1.1	27
14	Abnormal GABAergic function and face processing in schizophrenia: A pharmacologic-fMRI study. <i>Schizophrenia Research</i> , 2015, 168, 338-344.	1.1	19
15	A new semantic list learning task to probe functioning of the Papez circuit. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2015, 37, 816-833.	0.8	11
16	Abnormal GABAergic Function and Negative Affect in Schizophrenia. <i>Neuropsychopharmacology</i> , 2014, 39, 1000-1008.	2.8	24
17	Differential prefrontal and subcortical circuitry engagement during encoding of semantically related words in patients with late-life depression. <i>International Journal of Geriatric Psychiatry</i> , 2014, 29, 1104-1115.	1.3	19
18	Reduced Left Executive Control Network Functional Connectivity Is Associated with Alcohol Use Disorders. <i>Alcoholism: Clinical and Experimental Research</i> , 2014, 38, 2445-2453.	1.4	90

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19	The neurosteroids allopregnanolone and dehydroepiandrosterone modulate resting-state amygdala connectivity. <i>Human Brain Mapping</i> , 2014, 35, 3249-3261.	1.9	51
20	Modality-Spanning Deficits in Attention-Deficit/Hyperactivity Disorder in Functional Networks, Gray Matter, and White Matter. <i>Journal of Neuroscience</i> , 2014, 34, 16555-16566.	1.7	80
21	Reduced emotion processing efficiency in healthy males relative to females. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 316-325.	1.5	45
22	Volitional regulation of emotions produces distributed alterations in connectivity between visual, attention control, and default networks. <i>NeuroImage</i> , 2014, 89, 110-121.	2.1	106
23	Development of Impulse Control Circuitry in Children of Alcoholics. <i>Biological Psychiatry</i> , 2014, 76, 708-716.	0.7	49
24	Diffusion tensor MRI of the corpus callosum in amyotrophic lateral sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 641-647.	1.9	37
25	Disrupted network architecture of the resting brain in attention-deficit/hyperactivity disorder. <i>Human Brain Mapping</i> , 2014, 35, 4693-4705.	1.9	148
26	Diffusion tensor MRI of the corpus callosum in amyotrophic lateral sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, spcone-spcone.	1.9	0
27	Multimodal <scp>MRI</scp> as a diagnostic biomarker for amyotrophic lateral sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 107-114.	1.7	45
28	Atypical Frontal-Striatal-Thalamic Circuit White Matter Development in Pediatric Obsessive-Compulsive Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2014, 53, 1225-1233.e9.	0.3	16
29	Childhood Poverty and Stress Reactivity Are Associated with Aberrant Functional Connectivity in Default Mode Network. <i>Neuropsychopharmacology</i> , 2014, 39, 2244-2251.	2.8	126
30	Medial frontal cortex and anterior insula are less sensitive to outcome predictability when monetary stakes are higher. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 1625-1631.	1.5	3
31	Increased Coupling of Intrinsic Networks in Remitted Depressed Youth Predicts Rumination and Cognitive Control. <i>PLoS ONE</i> , 2014, 9, e104366.	1.1	91
32	Subjective uncertainty and limbic hyperactivation in obsessive-compulsive disorder. <i>Human Brain Mapping</i> , 2013, 34, 1956-1970.	1.9	80
33	25 years of neuroimaging in amyotrophic lateral sclerosis. <i>Nature Reviews Neurology</i> , 2013, 9, 513-524.	4.9	93
34	Reduced Error-Related Activation of Dorsolateral Prefrontal Cortex Across Pediatric Anxiety Disorders. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2013, 52, 1183-1191.e1.	0.3	49
35	Topographic analysis of the development of individual activation patterns during performance monitoring in medial frontal cortex. <i>Developmental Cognitive Neuroscience</i> , 2013, 6, 137-148.	1.9	7
36	The impact of serotonin transporter genotype on default network connectivity in children and adolescents with autism spectrum disorders. <i>NeuroImage: Clinical</i> , 2013, 2, 17-24.	1.4	15

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37	An Imbalance Between Excitatory and Inhibitory Neurotransmitters in Amyotrophic Lateral Sclerosis Revealed by Use of 3-T Proton Magnetic Resonance Spectroscopy. <i>JAMA Neurology</i> , 2013, 70, 1009.	4.5	126
38	The Utility of Independent Component Analysis and Machine Learning in the Identification of the Amyotrophic Lateral Sclerosis Diseased Brain. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 251.	1.0	66
39	Altered resting-state amygdala functional connectivity in men with posttraumatic stress disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2012, 37, 241-249.	1.4	303
40	Neural Dysregulation in Posttraumatic Stress Disorder. <i>Psychosomatic Medicine</i> , 2012, 74, 904-911.	1.3	341
41	Corpus callosum area in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2012, 13, 589-591.	2.3	12
42	The impact of serotonin transporter (5-HTTLPR) genotype on the development of resting-state functional connectivity in children and adolescents: A preliminary report. <i>NeuroImage</i> , 2012, 59, 2760-2770.	2.1	55
43	Resting-State Functional Connectivity between Fronto-Parietal and Default Mode Networks in Obsessive-Compulsive Disorder. <i>PLoS ONE</i> , 2012, 7, e36356.	1.1	198
44	The Relationship between Depressive Symptoms, Disease State, and Cognition in Amyotrophic Lateral Sclerosis. <i>Frontiers in Psychology</i> , 2012, 3, 542.	1.1	30
45	Resting state cortico-cerebellar functional connectivity networks: a comparison of anatomical and self-organizing map approaches. <i>Frontiers in Neuroanatomy</i> , 2012, 6, 31.	0.9	221
46	Developmental Alterations of Frontal-Striatal-Thalamic Connectivity in Obsessive-Compulsive Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2011, 50, 938-948.e3.	0.3	132
47	Hyperactive Error Responses and Altered Connectivity in Ventromedial and Frontoinsular Cortices in Obsessive-Compulsive Disorder. <i>Biological Psychiatry</i> , 2011, 69, 583-591.	0.7	112
48	Altered Amygdala Resting-State Functional Connectivity in Post-Traumatic Stress Disorder. <i>Frontiers in Psychiatry</i> , 2011, 2, 62.	1.3	201
49	Age Differences in Interhemispheric Interactions: Callosal Structure, Physiological Function, and Behavior. <i>Frontiers in Neuroscience</i> , 2011, 5, 38.	1.4	60
50	Self-related neural response to tailored smoking-cessation messages predicts quitting. <i>Nature Neuroscience</i> , 2011, 14, 426-427.	7.1	206
51	Age differences in callosal contributions to cognitive processes. <i>Neuropsychologia</i> , 2011, 49, 2564-2569.	0.7	38
52	Social appraisal in chronic psychosis: Role of medial frontal and occipital networks. <i>Journal of Psychiatric Research</i> , 2011, 45, 526-538.	1.5	34
53	Using a self-organizing map algorithm to detect age-related changes in functional connectivity during rest in autism spectrum disorders. <i>Brain Research</i> , 2011, 1380, 187-197.	1.1	86
54	Fetal Magnetic Resonance Imaging at 3.0 T. <i>Topics in Magnetic Resonance Imaging</i> , 2011, 22, 119-131.	0.7	27

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55	Cranial asymmetry in Eocene archaeocete whales and the evolution of directional hearing in water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14545-14548.	3.3	52
56	Differential Callosal Contributions to Bimanual Control in Young and Older Adults. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2171-2185.	1.1	86
57	Functional implications of age differences in motor system connectivity. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 17.	1.2	123
58	Reduced Interhemispheric Functional Connectivity in the Motor Cortex during Rest in Limb-Onset Amyotrophic Lateral Sclerosis. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 158.	1.2	74
59	Updating Beliefs for a Decision: Neural Correlates of Uncertainty and Underconfidence. <i>Journal of Neuroscience</i> , 2010, 30, 8032-8041.	1.7	74
60	Low-Frequency BOLD Fluctuations Demonstrate Altered Thalamocortical Connectivity in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2010, 36, 713-722.	2.3	157
61	Altered Function and Connectivity of the Medial Frontal Cortex in Pediatric Obsessive-Compulsive Disorder. <i>Biological Psychiatry</i> , 2010, 68, 1039-1047.	0.7	133
62	“Do I like this person?” A network analysis of midline cortex during a social preference task. <i>NeuroImage</i> , 2010, 51, 930-939.	2.1	33
63	The development of performance-monitoring function in the posterior medial frontal cortex. <i>NeuroImage</i> , 2010, 49, 3463-3473.	2.1	64
64	Topographic analysis of individual activation patterns in medial frontal cortex in schizophrenia. <i>Human Brain Mapping</i> , 2009, 30, 2146-2156.	1.9	16
65	Neural Correlates of Message Tailoring and Self-Relatedness in Smoking Cessation Programming. <i>Biological Psychiatry</i> , 2009, 65, 165-168.	0.7	84
66	Decision-related loss: Regret and disappointment. <i>NeuroImage</i> , 2009, 47, 2031-2040.	2.1	115
67	Pilot study of response inhibition and error processing in the posterior medial prefrontal cortex in healthy youth. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2008, 49, 986-994.	3.1	13
68	Diffusion-Weighted and Diffusion Tensor Imaging in Fibromyalgia Patients: A Prospective Study of Whole Brain Diffusivity, Apparent Diffusion Coefficient, and Fraction Anisotropy in Different Regions of the Brain and Correlation With Symptom Severity. <i>Academic Radiology</i> , 2007, 14, 839-846.	1.3	58
69	Medial Frontal Hyperactivity in Reality Distortion. <i>Biological Psychiatry</i> , 2007, 61, 1171-1178.	0.7	59
70	Brain diffusivity in patients with neuropsychiatric systemic lupus erythematosus with new acute neurological symptoms. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 541-551.	1.9	26
71	Neural correlates of social and nonsocial emotions: An fMRI study. <i>NeuroImage</i> , 2006, 31, 397-409.	2.1	245
72	Decreased neural specialization in old adults on a working memory task. <i>NeuroReport</i> , 2006, 17, 487-491.	0.6	114

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73	Medial Frontal Cortex Activity and Loss-Related Responses to Errors. <i>Journal of Neuroscience</i> , 2006, 26, 4063-4070.	1.7	146
74	Aging and the Neural Correlates of Successful Picture Encoding: Frontal Activations Compensate for Decreased Medial-Temporal Activity. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 84-96.	1.1	401
75	Error-related hyperactivity of the anterior cingulate cortex in obsessive-compulsive disorder. <i>Biological Psychiatry</i> , 2005, 57, 287-294.	0.7	353
76	Sustained activation of the hippocampus in response to fearful faces in schizophrenia. <i>Biological Psychiatry</i> , 2005, 57, 1011-1019.	0.7	128
77	Clinical applications of diffusion tensor imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 19, 6-18.	1.9	183
78	Neural correlates of individual ratings of emotional salience: a trial-related fMRI study. <i>NeuroImage</i> , 2004, 21, 768-780.	2.1	403
79	A functional neuroimaging study of motivation and executive function. <i>NeuroImage</i> , 2004, 21, 1045-1054.	2.1	205
80	Activation of the medial prefrontal cortex and extended amygdala by individual ratings of emotional arousal: a fMRI study. <i>Biological Psychiatry</i> , 2003, 53, 211-215.	0.7	188
81	Working Memory for Complex Scenes: Age Differences in Frontal and Hippocampal Activations. <i>Journal of Cognitive Neuroscience</i> , 2003, 15, 1122-1134.	1.1	130
82	Habituation of Rostral Anterior Cingulate Cortex to Repeated Emotionally Salient Pictures. <i>Neuropsychopharmacology</i> , 2003, 28, 1344-1350.	2.8	99
83	Distribution and dynamics of laser-polarized $^{129}\text{Xe}$ magnetization in vivo. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 1137-1145.	1.9	119
84	Distribution and dynamics of laser-polarized $^{129}\text{Xe}$ magnetization in vivo. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 1137-1145.	1.9	1
85	A novel approach for a spin-exchange high density [ $^3\text{He}$ ] target. , 1998, , .		0
86	Brain MRI with laser-polarized $^{129}\text{Xe}$ . <i>Magnetic Resonance in Medicine</i> , 1997, 38, 695-698.	1.9	155