

Robert C Welsh

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

7,915
citations

38742
50
h-index

54911
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.	4.2	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, , .	1.5	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.	2.5	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.	4.1	58
5	Anomalous network architecture of the resting brain in children who stutter. <i>Journal of Fluency Disorders</i> , 2018, 55, 46-67.	1.7	62
6	Molecular, dynamic, and structural origin of inhomogeneous magnetization transfer in lipid membranes. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1318-1328.	3.0	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.	3.0	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.	2.7	40
9	Brainhack: a collaborative workshop for the open neuroscience community. <i>GigaScience</i> , 2016, 5, 16.	6.4	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.	3.0	15
11	Reduced executive and default network functional connectivity in cigarette smokers. <i>Human Brain Mapping</i> , 2015, 36, 872-882.	3.6	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.	2.5	24
13	Action Processing and Mirror Neuron Function in Patients with Amyotrophic Lateral Sclerosis: An fMRI Study. <i>PLoS ONE</i> , 2015, 10, e0119862.	2.5	27
14	Abnormal GABAergic function and face processing in schizophrenia: A pharmacologic-fMRI study. <i>Schizophrenia Research</i> , 2015, 168, 338-344.	2.0	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.	1.3	11
16	Abnormal GABAergic Function and Negative Affect in Schizophrenia. <i>Neuropsychopharmacology</i> , 2014, 39, 1000-1008.	5.4	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.	2.7	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.	2.4	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.	3.6	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.	3.6	80
21	Reduced emotion processing efficiency in healthy males relative to females. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 316-325.	3.0	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.	4.2	106
23	Development of Impulse Control Circuitry in Children of Alcoholics. <i>Biological Psychiatry</i> , 2014, 76, 708-716.	1.3	49
24	Diffusion tensor MRI of the corpus callosum in amyotrophic lateral sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 641-647.	3.4	37
25	Disrupted network architecture of the resting brain in attention-deficit/hyperactivity disorder. <i>Human Brain Mapping</i> , 2014, 35, 4693-4705.	3.6	148
26	Diffusion tensor MRI of the corpus callosum in amyotrophic lateral sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, spcone-spcone.	3.4	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.	3.7	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.	0.5	16
29	Childhood Poverty and Stress Reactivity Are Associated with Aberrant Functional Connectivity in Default Mode Network. <i>Neuropsychopharmacology</i> , 2014, 39, 2244-2251.	5.4	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.	3.0	3
31	Increased Coupling of Intrinsic Networks in Remitted Depressed Youth Predicts Rumination and Cognitive Control. <i>PLoS ONE</i> , 2014, 9, e104366.	2.5	91
32	Subjective uncertainty and limbic hyperactivation in obsessive-compulsive disorder. <i>Human Brain Mapping</i> , 2013, 34, 1956-1970.	3.6	80
33	25 years of neuroimaging in amyotrophic lateral sclerosis. <i>Nature Reviews Neurology</i> , 2013, 9, 513-524.	10.1	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.	0.5	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.	4.0	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.	2.7	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.	9.0	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.	2.0	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.	2.4	303
40	Neural Dysregulation in Posttraumatic Stress Disorder. <i>Psychosomatic Medicine</i> , 2012, 74, 904-911.	2.0	341
41	Corpus callosum area in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2012, 13, 589-591.	2.1	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.	4.2	55
43	Resting-State Functional Connectivity between Fronto-Parietal and Default Mode Networks in Obsessive-Compulsive Disorder. <i>PLoS ONE</i> , 2012, 7, e36356.	2.5	198
44	The Relationship between Depressive Symptoms, Disease State, and Cognition in Amyotrophic Lateral Sclerosis. <i>Frontiers in Psychology</i> , 2012, 3, 542.	2.1	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.	1.7	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.	0.5	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.	1.3	112
48	Altered Amygdala Resting-State Functional Connectivity in Post-Traumatic Stress Disorder. <i>Frontiers in Psychiatry</i> , 2011, 2, 62.	2.6	201
49	Age Differences in Interhemispheric Interactions: Callosal Structure, Physiological Function, and Behavior. <i>Frontiers in Neuroscience</i> , 2011, 5, 38.	2.8	60
50	Self-related neural response to tailored smoking-cessation messages predicts quitting. <i>Nature Neuroscience</i> , 2011, 14, 426-427.	14.8	206
51	Age differences in callosal contributions to cognitive processes. <i>Neuropsychologia</i> , 2011, 49, 2564-2569.	1.6	38
52	Social appraisal in chronic psychosis: Role of medial frontal and occipital networks. <i>Journal of Psychiatric Research</i> , 2011, 45, 526-538.	3.1	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.	2.2	86
54	Fetal Magnetic Resonance Imaging at 3.0 T. <i>Topics in Magnetic Resonance Imaging</i> , 2011, 22, 119-131.	1.2	27

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55	Cranial asymmetry in Eocene archaeocete whales and the evolution of directional hearing in water. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14545-14548.	7.1	52
56	Differential Callosal Contributions to Bimanual Control in Young and Older Adults. Journal of Cognitive Neuroscience, 2011, 23, 2171-2185.	2.3	86
57	Functional implications of age differences in motor system connectivity. Frontiers in Systems Neuroscience, 2010, 4, 17.	2.5	123
58	Reduced Interhemispheric Functional Connectivity in the Motor Cortex during Rest in Limb-Onset Amyotrophic Lateral Sclerosis. Frontiers in Systems Neuroscience, 2010, 4, 158.	2.5	74
59	Updating Beliefs for a Decision: Neural Correlates of Uncertainty and Underconfidence. Journal of Neuroscience, 2010, 30, 8032-8041.	3.6	74
60	Low-Frequency BOLD Fluctuations Demonstrate Altered Thalamocortical Connectivity in Schizophrenia. Schizophrenia Bulletin, 2010, 36, 713-722.	4.3	157
61	Altered Function and Connectivity of the Medial Frontal Cortex in Pediatric Obsessive-Compulsive Disorder. Biological Psychiatry, 2010, 68, 1039-1047.	1.3	133
62	“Do I like this person?” A network analysis of midline cortex during a social preference task. NeuroImage, 2010, 51, 930-939.	4.2	33
63	The development of performance-monitoring function in the posterior medial frontal cortex. NeuroImage, 2010, 49, 3463-3473.	4.2	64
64	Topographic analysis of individual activation patterns in medial frontal cortex in schizophrenia. Human Brain Mapping, 2009, 30, 2146-2156.	3.6	16
65	Neural Correlates of Message Tailoring and Self-Relatedness in Smoking Cessation Programming. Biological Psychiatry, 2009, 65, 165-168.	1.3	84
66	Decision-related loss: Regret and disappointment. NeuroImage, 2009, 47, 2031-2040.	4.2	115
67	Pilot study of response inhibition and error processing in the posterior medial prefrontal cortex in healthy youth. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2008, 49, 986-994.	5.2	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. Academic Radiology, 2007, 14, 839-846.	2.5	58
69	Medial Frontal Hyperactivity in Reality Distortion. Biological Psychiatry, 2007, 61, 1171-1178.	1.3	59
70	Brain diffusivity in patients with neuropsychiatric systemic lupus erythematosus with new acute neurological symptoms. Journal of Magnetic Resonance Imaging, 2007, 26, 541-551.	3.4	26
71	Neural correlates of social and nonsocial emotions: An fMRI study. NeuroImage, 2006, 31, 397-409.	4.2	245
72	Decreased neural specialization in old adults on a working memory task. NeuroReport, 2006, 17, 487-491.	1.2	114

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73	Medial Frontal Cortex Activity and Loss-Related Responses to Errors. Journal of Neuroscience, 2006, 26, 4063-4070.	3.6	146
74	Aging and the Neural Correlates of Successful Picture Encoding: Frontal Activations Compensate for Decreased Medial-Temporal Activity. Journal of Cognitive Neuroscience, 2005, 17, 84-96.	2.3	401
75	Error-related hyperactivity of the anterior cingulate cortex in obsessive-compulsive disorder. Biological Psychiatry, 2005, 57, 287-294.	1.3	353
76	Sustained activation of the hippocampus in response to fearful faces in schizophrenia. Biological Psychiatry, 2005, 57, 1011-1019.	1.3	128
77	Clinical applications of diffusion tensor imaging. Journal of Magnetic Resonance Imaging, 2004, 19, 6-18.	3.4	183
78	Neural correlates of individual ratings of emotional salience: a trial-related fMRI study. NeuroImage, 2004, 21, 768-780.	4.2	403
79	A functional neuroimaging study of motivation and executive function. NeuroImage, 2004, 21, 1045-1054.	4.2	205
80	Activation of the medial prefrontal cortex and extended amygdala by individual ratings of emotional arousal: a fMRI study. Biological Psychiatry, 2003, 53, 211-215.	1.3	188
81	Working Memory for Complex Scenes: Age Differences in Frontal and Hippocampal Activations. Journal of Cognitive Neuroscience, 2003, 15, 1122-1134.	2.3	130
82	Habituation of Rostral Anterior Cingulate Cortex to Repeated Emotionally Salient Pictures. Neuropsychopharmacology, 2003, 28, 1344-1350.	5.4	99
83	Distribution and dynamics of laser-polarized ^{129}Xe magnetization in vivo. Magnetic Resonance in Medicine, 1999, 42, 1137-1145.	3.0	119
84	Distribution and dynamics of laser-polarized ^{129}Xe magnetization in vivo. Magnetic Resonance in Medicine, 1999, 42, 1137-1145.	3.0	1
85	A novel approach for a spin-exchange high density [^3He] target. , 1998, , .		0
86	Brain MRI with laser-polarized ^{129}Xe . Magnetic Resonance in Medicine, 1997, 38, 695-698.	3.0	155