Jean Theberge

List of Publications by Year in descending order

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76196 76769 6,134 121 40 74 citations h-index g-index papers 136 136 136 7064 times ranked docs citations citing authors all docs

#	Article	IF	CITATIONS
1	Spontaneous Low-Frequency Fluctuations in the BOLD Signal in Schizophrenic Patients: Anomalies in the Default Network. Schizophrenia Bulletin, 2007, 33, 1004-1012.	2.3	515
2	Glutamate and Glutamine Measured With 4.0 T Proton MRS in Never-Treated Patients With Schizophrenia and Healthy Volunteers. American Journal of Psychiatry, 2002, 159, 1944-1946.	4.0	386
3	Alterations in default network connectivity in posttraumatic stress disorder related to early-life trauma. Journal of Psychiatry and Neuroscience, 2009, 34, 187-94.	1.4	281
4	Resting state defaultâ€mode network connectivity in early depression using a seed regionâ€ofâ€nterest analysis: Decreased connectivity with caudate nucleus. Psychiatry and Clinical Neurosciences, 2009, 63, 754-761.	1.0	260
5	Glutamate and Glutamine in the Anterior Cingulate and Thalamus of Medicated Patients With Chronic Schizophrenia and Healthy Comparison Subjects Measured With 4.0-T Proton MRS. American Journal of Psychiatry, 2003, 160, 2231-2233.	4.0	254
6	Default mode network connectivity as a predictor of postâ€traumatic stress disorder symptom severity in acutely traumatized subjects. Acta Psychiatrica Scandinavica, 2010, 121, 33-40.	2.2	247
7	Default mode network connectivity: effects of age, sex, and analytic approach. NeuroReport, 2008, 19, 887-891.	0.6	203
8	Mind over chatter: Plastic up-regulation of the fMRI salience network directly after EEG neurofeedback. NeuroImage, 2013, 65, 324-335.	2.1	191
9	Longitudinal grey-matter and glutamatergic losses in first-episode schizophrenia. British Journal of Psychiatry, 2007, 191, 325-334.	1.7	176
10	The neurobiology of emotion regulation in posttraumatic stress disorder: Amygdala downregulation via realâ€time fMRI neurofeedback. Human Brain Mapping, 2017, 38, 541-560.	1.9	173
11	The Dissociative Subtype of Posttraumatic Stress Disorder: Unique Resting-State Functional Connectivity of Basolateral and Centromedial Amygdala Complexes. Neuropsychopharmacology, 2015, 40, 2317-2326.	2.8	142
12	Plastic modulation of PTSD restingâ€state networks and subjective wellbeing by EEG neurofeedback. Acta Psychiatrica Scandinavica, 2014, 130, 123-136.	2.2	132
13	A 4.0-T fMRI study of brain connectivity during word fluency in first-episode schizophrenia. Schizophrenia Research, 2005, 75, 247-263.	1.1	124
14	Longitudinal MRI study of cortical thickness, perfusion, and metabolite levels in major depressive disorder. Acta Psychiatrica Scandinavica, 2011, 124, 435-446.	2.2	121
15	Dynamic causal modeling in PTSD and its dissociative subtype: Bottom–up versus top–down processing within fear and emotion regulation circuitry. Human Brain Mapping, 2017, 38, 5551-5561.	1.9	108
16	Grey matter and social functioning correlates of glutamatergic metabolite loss in schizophrenia. British Journal of Psychiatry, 2011, 198, 448-456.	1.7	103
17	Unique insula subregion resting-state functional connectivity with amygdala complexes in posttraumatic stress disorder and its dissociative subtype. Psychiatry Research - Neuroimaging, 2016, 250, 61-72.	0.9	95
18	<pre><scp>fMRI</scp> functional connectivity of the periaqueductal gray in <scp>PTSD</scp> and its dissociative subtype. Brain and Behavior, 2016, 6, e00579.</pre>	1.0	93

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19	Discriminating Bipolar Disorder From Major Depression Based on SVM-FoBa: Efficient Feature Selection With Multimodal Brain Imaging Data. IEEE Transactions on Autonomous Mental Development, 2015, 7, 320-331.	2.3	84
20	Brain activation to favorite music in healthy controls and depressed patients. NeuroReport, 2009, 20, 1204-1208.	0.6	82
21	The cerebellum after trauma: Restingâ€state functional connectivity of the cerebellum in posttraumatic stress disorder and its dissociative subtype. Human Brain Mapping, 2018, 39, 3354-3374.	1.9	81
22	Antioxidant defense in schizophrenia and bipolar disorder: A meta-analysis of MRS studies of anterior cingulate glutathione. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 91, 94-102.	2.5	79
23	Desynchronization of autonomic response and central autonomic network connectivity in posttraumatic stress disorder. Human Brain Mapping, 2017, 38, 27-40.	1.9	74
24	Association of Age, Antipsychotic Medication, and Symptom Severity in Schizophrenia With Proton Magnetic Resonance Spectroscopy Brain Glutamate Level. JAMA Psychiatry, 2021, 78, 667.	6.0	72
25	Retrosplenial cortex connectivity in schizophrenia. Psychiatry Research - Neuroimaging, 2009, 174, 17-23.	0.9	70
26	Altered white matter microstructural organization in posttraumatic stress disorder across 3047 adults: results from the PGC-ENIGMA PTSD consortium. Molecular Psychiatry, 2021, 26, 4315-4330.	4.1	69
27	Early treatment response in first episode psychosis: a 7-T magnetic resonance spectroscopic study of glutathione and glutamate. Molecular Psychiatry, 2020, 25, 1640-1650.	4.1	69
28	Functional magnetic resonance spectroscopy of glutamate in schizophrenia and major depressive disorder: anterior cingulate activity during a color-word Stroop task. NPJ Schizophrenia, 2015, 1, 15028.	2.0	66
29	Intrinsic Connectivity Networks in postâ€traumatic stress disorder during sub―and supraliminal processing of threatâ€related stimuli. Acta Psychiatrica Scandinavica, 2015, 132, 365-378.	2.2	66
30	Alpha oscillation neurofeedback modulates amygdala complex connectivity and arousal in posttraumatic stress disorder. Neurolmage: Clinical, 2016, 12, 506-516.	1.4	66
31	Glutamate and Dysconnection in the Salience Network: Neurochemical, Effective Connectivity, and Computational Evidence in Schizophrenia. Biological Psychiatry, 2020, 88, 273-281.	0.7	58
32	The innate alarm circuit in post-traumatic stress disorder: Conscious and subconscious processing of fear- and trauma-related cues. Psychiatry Research - Neuroimaging, 2016, 248, 142-150.	0.9	53
33	Correlation of brain default mode network activation with bipolarity index in youth with mood disorders. Journal of Affective Disorders, 2013, 150, 1174-1178.	2.0	49
34	Classifying heterogeneous presentations of PTSD via the default mode, central executive, and salience networks with machine learning. NeuroImage: Clinical, 2020, 27, 102262.	1.4	48
35	Variable Lung Density Consideration in Attenuation Correction of Whole-Body PET/MRI. Journal of Nuclear Medicine, 2012, 53, 977-984.	2.8	47
36	Duration of untreated psychosis vs. N-acetylaspartate and choline in first episode schizophrenia: a 1H magnetic resonance spectroscopy study at 4.0 Tesla. Psychiatry Research - Neuroimaging, 2004, 131, 107-114.	0.9	46

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37	Machine learning multivariate pattern analysis predicts classification of posttraumatic stress disorder and its dissociative subtype: a multimodal neuroimaging approach. Psychological Medicine, 2019, 49, 2049-2059.	2.7	46
38	PTSD and its dissociative subtype through the lens of the insula: Anterior and posterior insula restingâ€state functional connectivity and its predictive validity using machine learning. Psychophysiology, 2020, 57, e13472.	1.2	45
39	Perfusion Magnetic Resonance Imaging in Psychiatry. Topics in Magnetic Resonance Imaging, 2008, 19, 111-130.	0.7	44
40	Low-frequency pulsed electromagnetic field exposure can alter neuroprocessing in humans. Journal of the Royal Society Interface, 2010, 7, 467-473.	1.5	44
41	Neurofeedback Tunes Scale-Free Dynamics in Spontaneous Brain Activity. Cerebral Cortex, 2017, 27, 4911-4922.	1.6	44
42	Intrinsic connectivity network dynamics in PTSD during amygdala downregulation using realâ€time fMRI neurofeedback: A preliminary analysis. Human Brain Mapping, 2018, 39, 4258-4275.	1.9	44
43	Neuroimaging self-esteem: a fMRI study of individual differences in women. Social Cognitive and Affective Neuroscience, 2013, 8, 546-555.	1.5	43
44	Medial Prefrontal and Anterior Insular Connectivity in Early Schizophrenia and Major Depressive Disorder: A Resting Functional MRI Evaluation of Large-Scale Brain Network Models. Frontiers in Human Neuroscience, 2016, 10, 132.	1.0	43
45	Restingâ€state functional connectivity of the bed nucleus of the stria terminalis in postâ€traumatic stress disorder and its dissociative subtype. Human Brain Mapping, 2018, 39, 1367-1379.	1.9	43
46	Complexity in mood disorder diagnosis: fMRI connectivity networks predicted medicationâ€elass of response in complex patients. Acta Psychiatrica Scandinavica, 2018, 138, 472-482.	2.2	42
47	Increased glutamate levels observed upon functional activation in the anterior cingulate cortex using the Stroop Task and functional spectroscopy. NeuroReport, 2015, 26, 107-112.	0.6	40
48	Sensory overload and imbalance: Resting-state vestibular connectivity in PTSD and its dissociative subtype. Neuropsychologia, 2017, 106, 169-178.	0.7	40
49	Regional Brain Activation during Hypoglycemia in Type 1 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 1450-1457.	1.8	39
50	A randomized, controlled trial of alpha-rhythm EEG neurofeedback in posttraumatic stress disorder: A preliminary investigation showing evidence of decreased PTSD symptoms and restored default mode and salience network connectivity using fMRI. Neurolmage: Clinical, 2020, 28, 102490.	1.4	38
51	Effect of direct eye contact in women with PTSD related to interpersonal trauma: Psychophysiological interaction analysis of connectivity of an innate alarm system. Psychiatry Research - Neuroimaging, 2015, 232, 162-167.	0.9	36
52	Structural brain aberrations associated with the dissociative subtype of postâ€traumatic stress disorder. Acta Psychiatrica Scandinavica, 2016, 133, 232-240.	2.2	34
53	Description and assessment of a registration-based approach to include bones for attenuation correction of whole-body PET/MRI. Medical Physics, 2013, 40, 082509.	1.6	33
54	Superior colliculus resting state networks in postâ€traumatic stress disorder and its dissociative subtype. Human Brain Mapping, 2018, 39, 563-574.	1.9	32

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55	Putative Astroglial Dysfunction in Schizophrenia: A Meta-Analysis of 1H-MRS Studies of Medial Prefrontal Myo-Inositol. Frontiers in Psychiatry, 2018, 9, 438.	1.3	29
56	Restingâ€state pulvinarâ€posterior parietal decoupling in PTSD and its dissociative subtype. Human Brain Mapping, 2018, 39, 4228-4240.	1.9	29
57	Neural correlates of heart rate variability in PTSD during sub―and supraliminal processing of traumaâ€related cues. Human Brain Mapping, 2017, 38, 4898-4907.	1.9	27
58	Aberrant Functional Connectivity of the Amygdala Complexes in PTSD during Conscious and Subconscious Processing of Trauma-Related Stimuli. PLoS ONE, 2016, 11, e0163097.	1.1	26
59	Counteracting Effects of Glutathione on the Glutamate-Driven Excitation/Inhibition Imbalance in First-Episode Schizophrenia: A 7T MRS and Dynamic Causal Modeling Study. Antioxidants, 2021, 10, 75.	2.2	26
60	Assessment of brain age in posttraumatic stress disorder: Findings from the ENIGMA PTSD and brain age working groups. Brain and Behavior, 2022, 12, e2413.	1.0	25
61	Neurometabolic abnormalities in schizophrenia and depression observed with magnetic resonance spectroscopy at 7 T. BJPsych Open, 2017, 3, 6-11.	0.3	24
62	Comparative study of proton and phosphorus magnetic resonance spectroscopy in schizophrenia at 4 Tesla. Psychiatry Research - Neuroimaging, 2004, 132, 33-39.	0.9	21
63	Glutamatergic metabolite correlations with neuropsychological tests in first episode schizophrenia. Psychiatry Research - Neuroimaging, 2015, 233, 180-185.	0.9	20
64	Cognitive performance is associated with gray matter decline in first-episode psychosis. Psychiatry Research - Neuroimaging, 2017, 264, 46-51.	0.9	20
65	Higher order thalamic nuclei resting network connectivity in early schizophrenia and major depressive disorder. Psychiatry Research - Neuroimaging, 2018, 272, 7-16.	0.9	20
66	Evidence for a dose-dependent effect of pulsed magnetic fields on pain processing. Neuroscience Letters, 2010, 482, 160-162.	1.0	19
67	Depression, marijuana use and earlyâ€onset marijuana use conferred unique effects on neural connectivity and cognition. Acta Psychiatrica Scandinavica, 2016, 134, 399-409.	2.2	19
68	Progressive Changes in Glutamate Concentration in Early Stages of Schizophrenia: A Longitudinal 7-Tesla MRS Study. Schizophrenia Bulletin Open, 2021, 2, sgaa072.	0.9	19
69	Hippocampal neuroanatomy in first episode psychosis: A putative role for glutamate and serotonin receptors. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 110, 110297.	2.5	18
70	Acute conceptual disorganization in untreated first-episode psychosis: a combined magnetic resonance spectroscopy and diffusion imaging study of the cingulum. Journal of Psychiatry and Neuroscience, 2021, 46, E337-E346.	1.4	16
71	The hijacked self: Disrupted functional connectivity between the periaqueductal gray and the default mode network in posttraumatic stress disorder using dynamic causal modeling. NeuroImage: Clinical, 2020, 27, 102345.	1.4	15
72	Shame on the brain: Neural correlates of moral injury event recall in posttraumatic stress disorder. Depression and Anxiety, 2021, 38, 596-605.	2.0	15

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73	Temporoparietal Junction Functional Connectivity in Early Schizophrenia and Major Depressive Disorder. Chronic Stress, 2018, 2, 247054701881523.	1.7	14
74	The Threatful Self: Midbrain Functional Connectivity to Cortical Midline and Parietal Regions During Subliminal Trauma-Related Processing in PTSD. Chronic Stress, 2019, 3, 247054701987136.	1.7	14
75	Overlapping frontoparietal networks in response to oculomotion and traumatic autobiographical memory retrieval: implications for eye movement desensitization and reprocessing. Högre Utbildning, 2019, 10, 1586265.	1.4	13
76	ls There a Glutathione Centered Redox Dysregulation Subtype of Schizophrenia?. Antioxidants, 2021, 10, 1703.	2.2	13
77	Implementation issues of multivoxel STEAM-localized1H spectroscopy. Magnetic Resonance in Medicine, 2005, 53, 713-718.	1.9	12
78	Regarding "Increased Prefrontal and Hippocampal Glutamate Concentration in Schizophrenia: Evidence from a Magnetic Resonance Spectroscopy Study― Biological Psychiatry, 2007, 61, 1218-1219.	0.7	12
79	A comparison of MR-based attenuation correction in PET versus SPECT. Physics in Medicine and Biology, 2011, 56, 4613-4629.	1.6	12
80	Unique Functional Abnormalities in Youth with Combined Marijuana Use and Depression: An fMRI Study. Frontiers in Psychiatry, 2014, 5, 130.	1.3	11
81	ACC Neuro-over-Connectivity Is Associated with Mathematically Modeled Additional Encoding Operations of Schizophrenia Stroop-Task Performance. Frontiers in Psychology, 2016, 7, 1295.	1.1	11
82	Back to the Basics: Resting State Functional Connectivity of the Reticular Activation System in PTSD and its Dissociative Subtype. Chronic Stress, 2019, 3, 247054701987366.	1.7	11
83	The trajectory of putative astroglial dysfunction in first episode schizophrenia: a longitudinal 7-Tesla MRS study. Scientific Reports, 2021, 11, 22333.	1.6	10
84	Differential mechanisms of posterior cingulate cortex downregulation and symptom decreases in posttraumatic stress disorder and healthy individuals using realâ€ŧime fMRI neurofeedback. Brain and Behavior, 2022, 12, e2441.	1.0	10
85	Discriminating bipolar disorder from major depression based on kernel SVM using functional independent components. , 2017, , .		8
86	Glutathione as a Molecular Marker of Functional Impairment in Patients with At-Risk Mental State: 7-Tesla 1H-MRS Study. Brain Sciences, 2021, 11, 941.	1.1	8
87	Moral wounds run deep: exaggerated midbrain functional network connectivity across the default mode network in posttraumatic stress disorder. Journal of Psychiatry and Neuroscience, 2022, 47, E56-E66.	1.4	8
88	The functional and structural associations of aberrant microglial activity in major depressive disorder. Journal of Psychiatry and Neuroscience, 2022, 47, E197-E208.	1.4	8
89	Sahaj Samadhi meditation vs a Health Enhancement Program in improving late-life depression severity and executive function: study protocol for a two-site, randomized controlled trial. Trials, 2019, 20, 605.	0.7	6
90	Assessment of a novel 32-channel phased array for cardiovascular hybrid PET/MRI imaging: MRI performance. European Journal of Hybrid Imaging, 2019, 3, 13.	0.6	6

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91	Evaluation of 511 keV photon attenuation by a novel 32-channel phased array prospectively designed for cardiovascular hybrid PET/MRI imaging. European Journal of Hybrid Imaging, 2020, 4, 7.	0.6	5
92	Central Oxidative Stress and Early Vocational Outcomes in First Episode Psychosis: A 7-Tesla Magnetic Resonance Spectroscopy Study of Glutathione. Schizophrenia Bulletin, 2022, 48, 921-930.	2.3	5
93	Bloodâ€"brain barrier permeability in survivors of immune-mediated thrombotic thrombocytopenic purpura: a pilot study. Blood Advances, 2021, 5, 4211-4218.	2.5	4
94	Cortical impoverishment in a stable subgroup of schizophrenia: Validation across various stages of psychosis. Schizophrenia Research, 2024, 264, 567-577.	1.1	4
95	Systems-Factorial-Technology-Disclosed Stochastic Dynamics of Stroop Processing in the Cognitive Neuroscience of Schizophrenia., 2017,, 351-380.		3
96	Contrasting Associations Between Heart Rate Variability and Brainstem-Limbic Connectivity in Posttraumatic Stress Disorder and Its Dissociative Subtype: A Pilot Study. Frontiers in Behavioral Neuroscience, 0, 16 , .	1.0	3
97	Hybrid brain imaging with MRI/PET., 2011, , .		2
98	Emotion regulation in emerging adults with major depressive disorder and frequent cannabis use. Neurolmage: Clinical, 2021, 30, 102575.	1.4	2
99	Improved PET/MRI accuracy by use of static transmission source in empirically derived hardware attenuation correction. EJNMMI Physics, 2021, 8, 24.	1.3	2
100	Counteracting Effect of Glutathione on the Glutamate-Driven Excitation/Inhibition Imbalance in First-Episode Schizophrenia: A 7T Mrs and Dynamic Causal Modeling Study. Biological Psychiatry, 2021, 89, S282.	0.7	2
101	Comment on "N-acetylaspartate reductions in the mediodorsal and anterior thalamus in men with schizophrenia verified by tissue volume corrected proton MRSI―(Schizophr Res 76, 173–185, 2005). Schizophrenia Research, 2006, 81, 119-120.	1.1	1
102	54. Sensory Overload and Imbalance: Resting-State Vestibular Connectivity in PTSD and its Dissociative Subtype. Biological Psychiatry, 2019, 85, S22-S23.	0.7	1
103	Sci-Fri AM: Imaging - 06: The role of body mass and gender in atlas construction for attenuation correction in PET/MRI. Medical Physics, 2012, 39, 4641-4641.	1.6	0
104	386. Plastic Modulation of Intrinsic Neural Networks in PTSD through Amygdala Downregulation via Real-Time fMRI Neurofeedback. Biological Psychiatry, 2017, 81, S158.	0.7	0
105	365. Neural Correlates of Heart Rate Variability in PTSD during Sub- and Supraliminal Processing of Trauma-related Cues. Biological Psychiatry, 2017, 81, S149-S150.	0.7	O
106	954. Higher Order Thalamic Nuclei Resting Network Connectivity in First Episode Schizophrenia and Major Depressive Disorder. Biological Psychiatry, 2017, 81, S386.	0.7	0
107	413. Resting State Functional Connectivity of the Innate Alarm System in PTSD. Biological Psychiatry, 2017, 81, S168-S169.	0.7	0
108	T141. Emotion Regulation Abnormalities in Young Adults With Major Depressive Disorder and Adolescent Frequent Marijuana Use. Biological Psychiatry, 2018, 83, S183.	0.7	0

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109	T164. STRUCTURAL COVARIANCE IN DRUG-NAÃ-VE FIRST EPISODE PSYCHOSIS: AN ULTRA-HIGH FIELD MRI STUDY. Schizophrenia Bulletin, 2018, 44, S179-S179.	2.3	0
110	S10. ASTROGLIAL PATHOLOGY IN SCHIZOPHRENIA: A META-ANALYSIS OF MRS STUDIES OF ANTERIOR CINGULATE MYOINOSITOL. Schizophrenia Bulletin, 2018, 44, S327-S327.	2.3	0
111	T165. ULTRA-HIGH FIELD MORPHOMETRY IN DRUG-NAÃ VE FIRST EPISODE PSYCHOSIS. Schizophrenia Bulletin, 2018, 44, S179-S180.	2.3	0
112	F8. SEARCHING FOR A STRATIFICATION MARKER FOR ANTIOXIDANT USE IN SCHIZOPHRENIA AND BIPOLAR DISORDER: A META-ANALYSIS OF MRS STUDIES OF ANTERIOR CINGULATE GLUTATHIONE. Schizophrenia Bulletin, 2018, 44, S221-S221.	2.3	0
113	F222. Temporoparietal Junction Functional Connectivity in Early Schizophrenia and Major Depressive Disorder. Biological Psychiatry, 2018, 83, S325.	0.7	0
114	T52. ABERRANT SENSORY PRECISION IN FIRST-EPISODE PSYCHOSIS: A 7-TESLA RESTING-STATE FMRI AND STROOP-TASK STUDY. Schizophrenia Bulletin, 2019, 45, S223-S224.	2.3	0
115	30.4 IDENTIFYING THE REDOX SUBTYPE OF SCHIZOPHRENIA USING ULTRA-HIGH FIELD 7T IMAGING. Schizophrenia Bulletin, 2019, 45, S139-S139.	2.3	0
116	Back to the Basics: The Role of the Reticular Activating System and the Autonomic Nervous System in PTSD and its Dissociative Subtype Background. Biological Psychiatry, 2020, 87, S256.	0.7	0
117	Glutamate Levels Correlate With Anomalous Brain Functional Networks in First-Episode Psychosis Participants. Biological Psychiatry, 2020, 87, S399.	0.7	0
118	Dynamic Causal Modeling of the Network Interactions of the Midbrain and the Mid-Line Cortices During Subliminal Threat Presentation in Posttraumatic Stress Disorder. Biological Psychiatry, 2020, 87, S385.	0.7	0
119	49-OR: Changes in Regional Cerebral Blood Flow during Hypoglycemia in T1DM. Diabetes, 2021, 70, .	0.3	0
120	Assessing In Vivo Neurodegeneration in Schizophrenia Using Magnetic Resonance., 2010,, 67-104.		0
121	SU-E-I-126: Feasibility of Myelin Water Fraction Quantification Using Multi- Component Gradient Echo Sampling of Spin Echoes. Medical Physics, 2011, 38, 3424-3425.	1.6	O