

# Jean Theberge

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110  
papers

5,111  
citations

38  
h-index

70  
g-index

136  
ext. papers

6,120  
ext. citations

4.3  
avg, IF

5.59  
L-index

#	Paper	IF	Citations
110	Spontaneous low-frequency fluctuations in the BOLD signal in schizophrenic patients: anomalies in the default network. <i>Schizophrenia Bulletin</i> , <b>2007</b> , 33, 1004-12	1.3	456
109	Glutamate and glutamine measured with 4.0 T proton MRS in never-treated patients with schizophrenia and healthy volunteers. <i>American Journal of Psychiatry</i> , <b>2002</b> , 159, 1944-6	11.9	338
108	Alterations in default network connectivity in posttraumatic stress disorder related to early-life trauma. <i>Journal of Psychiatry and Neuroscience</i> , <b>2009</b> , 34, 187-94	4.5	257
107	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. <i>American Journal of Psychiatry</i> , <b>2003</b> , 160, 2231-3	11.9	231
106	Resting state default-mode network connectivity in early depression using a seed region-of-interest analysis: decreased connectivity with caudate nucleus. <i>Psychiatry and Clinical Neurosciences</i> , <b>2009</b> , 63, 754-61	6.2	222
105	Default mode network connectivity as a predictor of post-traumatic stress disorder symptom severity in acutely traumatized subjects. <i>Acta Psychiatrica Scandinavica</i> , <b>2010</b> , 121, 33-40	6.5	206
104	Default mode network connectivity: effects of age, sex, and analytic approach. <i>NeuroReport</i> , <b>2008</b> , 19, 887-91	1.7	165
103	Longitudinal grey-matter and glutamatergic losses in first-episode schizophrenia. <i>British Journal of Psychiatry</i> , <b>2007</b> , 191, 325-34	5.4	156
102	Mind over chatter: plastic up-regulation of the fMRI salience network directly after EEG neurofeedback. <i>NeuroImage</i> , <b>2013</b> , 65, 324-35	7.9	146
101	The neurobiology of emotion regulation in posttraumatic stress disorder: Amygdala downregulation via real-time fMRI neurofeedback. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 541-560	5.9	130
100	A 4.0-T fMRI study of brain connectivity during word fluency in first-episode schizophrenia. <i>Schizophrenia Research</i> , <b>2005</b> , 75, 247-63	3.6	117
99	The Dissociative Subtype of Posttraumatic Stress Disorder: Unique Resting-State Functional Connectivity of Basolateral and Centromedial Amygdala Complexes. <i>Neuropsychopharmacology</i> , <b>2015</b> , 40, 2317-26	8.7	108
98	Plastic modulation of PTSD resting-state networks and subjective wellbeing by EEG neurofeedback. <i>Acta Psychiatrica Scandinavica</i> , <b>2014</b> , 130, 123-36	6.5	107
97	Longitudinal MRI study of cortical thickness, perfusion, and metabolite levels in major depressive disorder. <i>Acta Psychiatrica Scandinavica</i> , <b>2011</b> , 124, 435-46	6.5	101
96	Grey matter and social functioning correlates of glutamatergic metabolite loss in schizophrenia. <i>British Journal of Psychiatry</i> , <b>2011</b> , 198, 448-56	5.4	80
95	T52. ABERRANT SENSORY PRECISION IN FIRST-EPISODE PSYCHOSIS: A 7-TESLA RESTING-STATE FMRI AND STROOP-TASK STUDY. <i>Schizophrenia Bulletin</i> , <b>2019</b> , 45, S223-S224	1.3	78
94	30.4 IDENTIFYING THE REDOX SUBTYPE OF SCHIZOPHRENIA USING ULTRA-HIGH FIELD 7T IMAGING. <i>Schizophrenia Bulletin</i> , <b>2019</b> , 45, S139-S139	1.3	78

93	T164. STRUCTURAL COVARIANCE IN DRUG-NAIVE FIRST EPISODE PSYCHOSIS: AN ULTRA-HIGH FIELD MRI STUDY. <i>Schizophrenia Bulletin</i> , <b>2018</b> , 44, S179-S179	1.3	78
92	S10. ASTROGLIAL PATHOLOGY IN SCHIZOPHRENIA: A META-ANALYSIS OF MRS STUDIES OF ANTERIOR CINGULATE MYOINOSITOL. <i>Schizophrenia Bulletin</i> , <b>2018</b> , 44, S327-S327	1.3	78
91	T165. ULTRA-HIGH FIELD MORPHOMETRY IN DRUG-NAIVE FIRST EPISODE PSYCHOSIS. <i>Schizophrenia Bulletin</i> , <b>2018</b> , 44, S179-S180	1.3	78
90	F8. SEARCHING FOR A STRATIFICATION MARKER FOR ANTIOXIDANT USE IN SCHIZOPHRENIA AND BIPOLAR DISORDER: A META-ANALYSIS OF MRS STUDIES OF ANTERIOR CINGULATE GLUTATHIONE. <i>Schizophrenia Bulletin</i> , <b>2018</b> , 44, S221-S221	1.3	78
89	Brain activation to favorite music in healthy controls and depressed patients. <i>NeuroReport</i> , <b>2009</b> , 20, 1204-8	1.7	71
88	Unique insula subregion resting-state functional connectivity with amygdala complexes in posttraumatic stress disorder and its dissociative subtype. <i>Psychiatry Research - Neuroimaging</i> , <b>2016</b> , 250, 61-72	2.9	70
87	fMRI functional connectivity of the periaqueductal gray in PTSD and its dissociative subtype. <i>Brain and Behavior</i> , <b>2016</b> , 6, e00579	3.4	67
86	Dynamic causal modeling in PTSD and its dissociative subtype: Bottom-up versus top-down processing within fear and emotion regulation circuitry. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 5551-5561	5.9	65
85	Retrosplenial cortex connectivity in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , <b>2009</b> , 174, 17-23	2.9	62
84	Discriminating Bipolar Disorder From Major Depression Based on SVM-FoBa: Efficient Feature Selection With Multimodal Brain Imaging Data. <i>IEEE Transactions on Autonomous Mental Development</i> , <b>2015</b> , 7, 320-331		61
83	Desynchronization of autonomic response and central autonomic network connectivity in posttraumatic stress disorder. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 27-40	5.9	51
82	Intrinsic Connectivity Networks in post-traumatic stress disorder during sub- and supraliminal processing of threat-related stimuli. <i>Acta Psychiatrica Scandinavica</i> , <b>2015</b> , 132, 365-78	6.5	47
81	Antioxidant defense in schizophrenia and bipolar disorder: A meta-analysis of MRS studies of anterior cingulate glutathione. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2019</b> , 91, 94-102	5.5	47
80	The cerebellum after trauma: Resting-state functional connectivity of the cerebellum in posttraumatic stress disorder and its dissociative subtype. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 3354-3374	5.9	45
79	Alpha oscillation neurofeedback modulates amygdala complex connectivity and arousal in posttraumatic stress disorder. <i>NeuroImage: Clinical</i> , <b>2016</b> , 12, 506-516	5.3	45
78	The innate alarm circuit in post-traumatic stress disorder: Conscious and subconscious processing of fear- and trauma-related cues. <i>Psychiatry Research - Neuroimaging</i> , <b>2016</b> , 248, 142-50	2.9	44
77	Variable lung density consideration in attenuation correction of whole-body PET/MRI. <i>Journal of Nuclear Medicine</i> , <b>2012</b> , 53, 977-84	8.9	44
76	Functional magnetic resonance spectroscopy of glutamate in schizophrenia and major depressive disorder: anterior cingulate activity during a color-word Stroop task. <i>NPJ Schizophrenia</i> , <b>2015</b> , 1, 15028	5.5	43

75	Low-frequency pulsed electromagnetic field exposure can alter neuroprocessing in humans. <i>Journal of the Royal Society Interface</i> , <b>2010</b> , 7, 467-73	4.1	40
74	Duration of untreated psychosis vs. N-acetylaspartate and choline in first episode schizophrenia: a 1H magnetic resonance spectroscopy study at 4.0 Tesla. <i>Psychiatry Research - Neuroimaging</i> , <b>2004</b> , 131, 107-14	2.9	40
73	Perfusion magnetic resonance imaging in psychiatry. <i>Topics in Magnetic Resonance Imaging</i> , <b>2008</b> , 19, 111-30	2.3	39
72	Correlation of brain default mode network activation with bipolarity index in youth with mood disorders. <i>Journal of Affective Disorders</i> , <b>2013</b> , 150, 1174-8	6.6	38
71	Resting-state functional connectivity of the bed nucleus of the stria terminalis in post-traumatic stress disorder and its dissociative subtype. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 1367-1379	5.9	33
70	Neuroimaging self-esteem: a fMRI study of individual differences in women. <i>Social Cognitive and Affective Neuroscience</i> , <b>2013</b> , 8, 546-55	4	33
69	Altered white matter microstructural organization in posttraumatic stress disorder across 3047 adults: results from the PGC-ENIGMA PTSD consortium. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 4315-4330	15.1	33
68	Description and assessment of a registration-based approach to include bones for attenuation correction of whole-body PET/MRI. <i>Medical Physics</i> , <b>2013</b> , 40, 082509	4.4	32
67	Regional brain activation during hypoglycemia in type 1 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 1450-7	5.6	32
66	Medial Prefrontal and Anterior Insular Connectivity in Early Schizophrenia and Major Depressive Disorder: A Resting Functional MRI Evaluation of Large-Scale Brain Network Models. <i>Frontiers in Human Neuroscience</i> , <b>2016</b> , 10, 132	3.3	31
65	Early treatment response in first episode psychosis: a 7-T magnetic resonance spectroscopic study of glutathione and glutamate. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 1640-1650	15.1	30
64	Neurofeedback Tunes Scale-Free Dynamics in Spontaneous Brain Activity. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 4913-4922	3.4	30
63	Intrinsic connectivity network dynamics in PTSD during amygdala downregulation using real-time fMRI neurofeedback: A preliminary analysis. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 4258-4275	5.9	29
62	Machine learning multivariate pattern analysis predicts classification of posttraumatic stress disorder and its dissociative subtype: a multimodal neuroimaging approach. <i>Psychological Medicine</i> , <b>2019</b> , 49, 2049-2059	6.9	29
61	Increased glutamate levels observed upon functional activation in the anterior cingulate cortex using the Stroop Task and functional spectroscopy. <i>NeuroReport</i> , <b>2015</b> , 26, 107-12	1.7	28
60	Glutamate and Dysconnection in the Salience Network: Neurochemical, Effective Connectivity, and Computational Evidence in Schizophrenia. <i>Biological Psychiatry</i> , <b>2020</b> , 88, 273-281	7.9	28
59	Structural brain aberrations associated with the dissociative subtype of post-traumatic stress disorder. <i>Acta Psychiatrica Scandinavica</i> , <b>2016</b> , 133, 232-40	6.5	28
58	Effect of direct eye contact in women with PTSD related to interpersonal trauma: Psychophysiological interaction analysis of connectivity of an innate alarm system. <i>Psychiatry Research - Neuroimaging</i> , <b>2015</b> , 232, 162-7	2.9	27

57	Neurometabolic abnormalities in schizophrenia and depression observed with magnetic resonance spectroscopy at 7 T. <i>BJPsych Open</i> , <b>2017</b> , 3, 6-11	5	22
56	Association of Age, Antipsychotic Medication, and Symptom Severity in Schizophrenia With Proton Magnetic Resonance Spectroscopy Brain Glutamate Level: A Mega-analysis of Individual Participant-Level Data. <i>JAMA Psychiatry</i> , <b>2021</b> , 78, 667-681	14.5	21
55	Aberrant Functional Connectivity of the Amygdala Complexes in PTSD during Conscious and Subconscious Processing of Trauma-Related Stimuli. <i>PLoS ONE</i> , <b>2016</b> , 11, e0163097	3.7	21
54	Classifying heterogeneous presentations of PTSD via the default mode, central executive, and salience networks with machine learning. <i>NeuroImage: Clinical</i> , <b>2020</b> , 27, 102262	5.3	20
53	Complexity in mood disorder diagnosis: fMRI connectivity networks predicted medication-class of response in complex patients. <i>Acta Psychiatrica Scandinavica</i> , <b>2018</b> , 138, 472-482	6.5	20
52	Sensory overload and imbalance: Resting-state vestibular connectivity in PTSD and its dissociative subtype. <i>Neuropsychologia</i> , <b>2017</b> , 106, 169-178	3.2	20
51	Comparative study of proton and phosphorus magnetic resonance spectroscopy in schizophrenia at 4 Tesla. <i>Psychiatry Research - Neuroimaging</i> , <b>2004</b> , 132, 33-9	2.9	20
50	Putative Astroglial Dysfunction in Schizophrenia: A Meta-Analysis of H-MRS Studies of Medial Prefrontal Myo-Inositol. <i>Frontiers in Psychiatry</i> , <b>2018</b> , 9, 438	5	20
49	Resting-state pulvinar-posterior parietal decoupling in PTSD and its dissociative subtype. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 4228-4240	5.9	19
48	Superior colliculus resting state networks in post-traumatic stress disorder and its dissociative subtype. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 563-574	5.9	19
47	PTSD and its dissociative subtype through the lens of the insula: Anterior and posterior insula resting-state functional connectivity and its predictive validity using machine learning. <i>Psychophysiology</i> , <b>2020</b> , 57, e13472	4.1	18
46	Neural correlates of heart rate variability in PTSD during sub- and supraliminal processing of trauma-related cues. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 4898-4907	5.9	17
45	Evidence for a dose-dependent effect of pulsed magnetic fields on pain processing. <i>Neuroscience Letters</i> , <b>2010</b> , 482, 160-2	3.3	17
44	Glutamatergic metabolite correlations with neuropsychological tests in first episode schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , <b>2015</b> , 233, 180-5	2.9	16
43	Cognitive performance is associated with gray matter decline in first-episode psychosis. <i>Psychiatry Research - Neuroimaging</i> , <b>2017</b> , 264, 46-51	2.9	12
42	Depression, marijuana use and early-onset marijuana use conferred unique effects on neural connectivity and cognition. <i>Acta Psychiatrica Scandinavica</i> , <b>2016</b> , 134, 399-409	6.5	12
41	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. <i>NeuroImage: Clinical</i> , <b>2020</b> , 28, 102490	5.3	12
40	A comparison of MR-based attenuation correction in PET versus SPECT. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 4613-29	3.8	11

39	Implementation issues of multivoxel STEAM-localized 1H spectroscopy. <i>Magnetic Resonance in Medicine</i> , <b>2005</b> , 53, 713-8	4.4	11
38	Counteracting Effects of Glutathione on the Glutamate-Driven Excitation/Inhibition Imbalance in First-Episode Schizophrenia: A 7T MRS and Dynamic Causal Modeling Study. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	11
37	Regarding "Increased prefrontal and hippocampal glutamate concentration in schizophrenia: evidence from a magnetic resonance spectroscopy study". <i>Biological Psychiatry</i> , <b>2007</b> , 61, 1218-9; author reply 1219-20	7.9	10
36	ACC Neuro-over-Connectivity Is Associated with Mathematically Modeled Additional Encoding Operations of Schizophrenia Stroop-Task Performance. <i>Frontiers in Psychology</i> , <b>2016</b> , 7, 1295	3.4	10
35	Higher order thalamic nuclei resting network connectivity in early schizophrenia and major depressive disorder. <i>Psychiatry Research - Neuroimaging</i> , <b>2018</b> , 272, 7-16	2.9	9
34	Discriminating bipolar disorder from major depression based on kernel SVM using functional independent components <b>2017</b> ,		8
33	The hijacked self: Disrupted functional connectivity between the periaqueductal gray and the default mode network in posttraumatic stress disorder using dynamic causal modeling. <i>NeuroImage: Clinical</i> , <b>2020</b> , 27, 102345	5.3	8
32	The Threatful Self: Midbrain Functional Connectivity to Cortical Midline and Parietal Regions During Subliminal Trauma-Related Processing in PTSD. <i>Chronic Stress</i> , <b>2019</b> , 3, 2470547019871369	3	7
31	Acute conceptual disorganization in untreated first-episode psychosis: a combined magnetic resonance spectroscopy and diffusion imaging study of the cingulum. <i>Journal of Psychiatry and Neuroscience</i> , <b>2021</b> , 46, E337-E346	4.5	7
30	Hippocampal neuroanatomy in first episode psychosis: A putative role for glutamate and serotonin receptors. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2021</b> , 110, 110297	5.5	7
29	Overlapping frontoparietal networks in response to oculomotion and traumatic autobiographical memory retrieval: implications for eye movement desensitization and reprocessing. <i>Hjore Utbildning</i> , <b>2019</b> , 10, 1586265	5	6
28	Unique functional abnormalities in youth with combined marijuana use and depression: an fMRI study. <i>Frontiers in Psychiatry</i> , <b>2014</b> , 5, 130	5	6
27	Progressive Changes in Glutamate Concentration in Early Stages of Schizophrenia: A Longitudinal 7-Tesla MRS Study. <i>Schizophrenia Bulletin Open</i> , <b>2021</b> , 2, sgaa072	2.2	6
26	Temporoparietal Junction Functional Connectivity in Early Schizophrenia and Major Depressive Disorder. <i>Chronic Stress</i> , <b>2018</b> , 2, 2470547018815232	3	6
25	Shame on the brain: Neural correlates of moral injury event recall in posttraumatic stress disorder. <i>Depression and Anxiety</i> , <b>2021</b> , 38, 596-605	8.4	6
24	Assessment of a novel 32-channel phased array for cardiovascular hybrid PET/MRI imaging: MRI performance. <i>European Journal of Hybrid Imaging</i> , <b>2019</b> , 3, 13	1.7	4
23	Altered White Matter Microstructural Organization in Post-Traumatic Stress Disorder across 3,049 Adults: Results from the PGC-ENIGMA PTSD Consortium		4
22	Back to the Basics: Resting State Functional Connectivity of the Reticular Activation System in PTSD and its Dissociative Subtype. <i>Chronic Stress</i> , <b>2019</b> , 3, 2470547019873663	3	3

21	The trajectory of putative astroglial dysfunction in first episode schizophrenia: a longitudinal 7-Tesla MRS study. <i>Scientific Reports</i> , <b>2021</b> , 11, 22333	4.9	3
20	Is There a Glutathione Centered Redox Dysregulation Subtype of Schizophrenia?. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	3
19	Systems-Factorial-Technology-Disclosed Stochastic Dynamics of Stroop Processing in the Cognitive Neuroscience of Schizophrenia <b>2017</b> , 351-380		3
18	Glutathione as a Molecular Marker of Functional Impairment in Patients with At-Risk Mental State: 7-Tesla H-MRS Study. <i>Brain Sciences</i> , <b>2021</b> , 11,	3.4	3
17	Assessment of brain age in posttraumatic stress disorder: Findings from the ENIGMA PTSD and brain age working groups.. <i>Brain and Behavior</i> , <b>2021</b> , e2413	3.4	3
16	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. <i>Trials</i> , <b>2019</b> , 20, 605	2.8	2
15	Evaluation of 511 keV photon attenuation by a novel 32-channel phased array prospectively designed for cardiovascular hybrid PET/MRI imaging. <i>European Journal of Hybrid Imaging</i> , <b>2020</b> , 4, 7	1.7	2
14	Hippocampal subfield volumes are uniquely affected in PTSD and depression: International analysis of 31 cohorts from the PGC-ENIGMA PTSD Working Group		2
13	Differential mechanisms of posterior cingulate cortex downregulation and symptom decreases in posttraumatic stress disorder and healthy individuals using real-time fMRI neurofeedback.. <i>Brain and Behavior</i> , <b>2021</b> , e2441	3.4	2
12	Hybrid brain imaging with MRI/PET <b>2011</b> ,		1
11	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). <i>Schizophrenia Research</i> , <b>2006</b> , 81, 119-20	3.6	1
10	Early Treatment Response in First Episode Psychosis: A 7-Tesla Magnetic Resonance Spectroscopic Study of Glutathione and Glutamate		1
9	Glutathione as a molecular marker of functional impairment in patients with at-risk mental state: 7-Tesla 1H-MRS study		1
8	Improved PET/MRI accuracy by use of static transmission source in empirically derived hardware attenuation correction. <i>EJNMMI Physics</i> , <b>2021</b> , 8, 24	4.4	1
7	Emotion regulation in emerging adults with major depressive disorder and frequent cannabis use. <i>NeuroImage: Clinical</i> , <b>2021</b> , 30, 102575	5.3	1
6	Blood-brain barrier permeability in survivors of immune-mediated thrombotic thrombocytopenic purpura: a pilot study. <i>Blood Advances</i> , <b>2021</b> , 5, 4211-4218	7.8	1
5	Central oxidative stress and early vocational outcomes in first episode psychosis: A 7-Tesla Magnetic Resonance Spectroscopy study of glutathione		1
4	Moral wounds run deep: exaggerated midbrain functional network connectivity across the default mode network in posttraumatic stress disorder.. <i>Journal of Psychiatry and Neuroscience</i> , <b>2022</b> , 47, E56-E65	4.5	0

- 3 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 4-4
- 2 Assessing In Vivo Neurodegeneration in Schizophrenia Using Magnetic Resonance **2010**, 67-104
- 1 49-OR: Changes in Regional Cerebral Blood Flow during Hypoglycemia in T1DM. *Diabetes*, **2021**, 70, 49-OR9