

David A Seminowicz

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.

87
papers

8,300
citations

32
h-index

91
g-index

120
ext. papers

9,839
ext. citations

5.3
avg, IF

6.01
L-index

#	Paper	IF	Citations
87	Deep brain stimulation for treatment-resistant depression. <i>Neuron</i> , 2005 , 45, 651-60	13.9	2899
86	Limbic-frontal circuitry in major depression: a path modeling metanalysis. <i>NeuroImage</i> , 2004 , 22, 409-18	7.9	603
85	Two systems of resting state connectivity between the insula and cingulate cortex. <i>Human Brain Mapping</i> , 2009 , 30, 2731-45	5.9	510
84	Accelerated brain gray matter loss in fibromyalgia patients: premature aging of the brain?. <i>Journal of Neuroscience</i> , 2007 , 27, 4004-7	6.6	443
83	Effective treatment of chronic low back pain in humans reverses abnormal brain anatomy and function. <i>Journal of Neuroscience</i> , 2011 , 31, 7540-50	6.6	385
82	A neurocognitive model of attention to pain: behavioral and neuroimaging evidence. <i>Pain</i> , 2009 , 144, 230-232	8	282
81	Cortical responses to pain in healthy individuals depends on pain catastrophizing. <i>Pain</i> , 2006 , 120, 297-306	3.86	280
80	Regional gray matter density changes in brains of patients with irritable bowel syndrome. <i>Gastroenterology</i> , 2010 , 139, 48-57.e2	13.3	217
79	MRI structural brain changes associated with sensory and emotional function in a rat model of long-term neuropathic pain. <i>NeuroImage</i> , 2009 , 47, 1007-14	7.9	194
78	The Dorsolateral Prefrontal Cortex in Acute and Chronic Pain. <i>Journal of Pain</i> , 2017 , 18, 1027-1035	5.2	169
77	Cognitive-behavioral therapy increases prefrontal cortex gray matter in patients with chronic pain. <i>Journal of Pain</i> , 2013 , 14, 1573-84	5.2	165
76	The anatomy of the mesolimbic reward system: a link between personality and the placebo analgesic response. <i>Journal of Neuroscience</i> , 2009 , 29, 4882-7	6.6	151
75	Cognitive modulation of pain-related brain responses depends on behavioral strategy. <i>Pain</i> , 2004 , 112, 48-58	8	142
74	Interactions of pain intensity and cognitive load: the brain stays on task. <i>Cerebral Cortex</i> , 2007 , 17, 1412-32	3.2	129
73	Pain enhances functional connectivity of a brain network evoked by performance of a cognitive task. <i>Journal of Neurophysiology</i> , 2007 , 97, 3651-9	3.2	124
72	State and trait influences on mood regulation in bipolar disorder: blood flow differences with an acute mood challenge. <i>Biological Psychiatry</i> , 2003 , 54, 1274-83	7.9	116
71	Altered Brain Structure and Function Correlate with Disease Severity and Pain Catastrophizing in Migraine Patients. <i>ENeuro</i> , 2014 , 1, e20.14	3.9	100

70	Altered structure and function in the hippocampus and medial prefrontal cortex in patients with burning mouth syndrome. <i>Pain</i> , 2014 , 155, 1472-1480	8	98
69	A re-examination of pain-cognition interactions: implications for neuroimaging. <i>Pain</i> , 2007 , 130, 8-13	8	96
68	Personality influences limbic-cortical interactions during sad mood induction. <i>NeuroImage</i> , 2003 , 20, 2031-9	7.9	92
67	Partial recovery of abnormal insula and dorsolateral prefrontal connectivity to cognitive networks in chronic low back pain after treatment. <i>Human Brain Mapping</i> , 2015 , 36, 2075-92	5.9	90
66	Cerebral peak alpha frequency predicts individual differences in pain sensitivity. <i>NeuroImage</i> , 2018 , 167, 203-210	7.9	54
65	Altered C-tactile processing in human dynamic tactile allodynia. <i>Pain</i> , 2013 , 154, 227-234	8	52
64	Behavioral, metabolic and functional brain changes in a rat model of chronic neuropathic pain: a longitudinal MRI study. <i>NeuroImage</i> , 2015 , 107, 333-344	7.9	50
63	Is a Responsive Default Mode Network Required for Successful Working Memory Task Performance?. <i>Journal of Neuroscience</i> , 2015 , 35, 11595-605	6.6	49
62	Altered brain structure and function associated with sensory and affective components of classic trigeminal neuralgia. <i>Pain</i> , 2017 , 158, 1561-1570	8	48
61	Thalamocortical asynchrony in conditions of spinal cord injury pain in rats. <i>Journal of Neuroscience</i> , 2012 , 32, 15843-8	6.6	43
60	The Multimodal Assessment Model of Pain: A Novel Framework for Further Integrating the Subjective Pain Experience Within Research and Practice. <i>Clinical Journal of Pain</i> , 2019 , 35, 212-221	3.5	39
59	Altered cognition-related brain activity and interactions with acute pain in migraine. <i>NeuroImage: Clinical</i> , 2015 , 7, 347-58	5.3	37
58	Nerve injury causes long-term attentional deficits in rats. <i>Neuroscience Letters</i> , 2012 , 529, 103-7	3.3	37
57	High Frequency Migraine Is Associated with Lower Acute Pain Sensitivity and Abnormal Insula Activity Related to Migraine Pain Intensity, Attack Frequency, and Pain Catastrophizing. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 489	3.3	36
56	Division of the corpus callosum into subregions. <i>Brain and Cognition</i> , 2002 , 50, 62-72	2.7	32
55	Psilocybin acutely alters the functional connectivity of the claustrum with brain networks that support perception, memory, and attention. <i>NeuroImage</i> , 2020 , 218, 116980	7.9	29
54	Resting state functional connectivity and cognitive task-related activation of the human claustrum. <i>NeuroImage</i> , 2019 , 196, 59-67	7.9	26
53	Enhanced mindfulness-based stress reduction in episodic migraine: a randomized clinical trial with magnetic resonance imaging outcomes. <i>Pain</i> , 2020 , 161, 1837-1846	8	25

52	Metabolic brain activity suggestive of persistent pain in a rat model of neuropathic pain. <i>NeuroImage</i> , 2014 , 91, 344-52	7.9	23
51	Non-invasive Motor Cortex Neuromodulation Reduces Secondary Hyperalgesia and Enhances Activation of the Descending Pain Modulatory Network. <i>Frontiers in Neuroscience</i> , 2019 , 13, 467	5.1	22
50	Pain-related nucleus accumbens function: modulation by reward and sleep disruption. <i>Pain</i> , 2019 , 160, 1196-1207	8	22
49	Neuroimaging of pain in animal models: a review of recent literature. <i>Pain Reports</i> , 2019 , 4, e732	3.5	21
48	Diffuse noxious inhibitory controls and brain networks are modulated in a testosterone-dependent manner in Sprague Dawley rats. <i>Behavioural Brain Research</i> , 2018 , 349, 91-97	3.4	20
47	Correlation between nerve atrophy, brain grey matter volume and pain severity in patients with primary trigeminal neuralgia. <i>Cephalalgia</i> , 2019 , 39, 515-525	6.1	19
46	Anatomical and functional enhancements of the insula after loss of large primary somatosensory fibers. <i>Cerebral Cortex</i> , 2013 , 23, 2017-24	5.1	19
45	Left dorsolateral prefrontal cortex repetitive transcranial magnetic stimulation reduces the development of long-term muscle pain. <i>Pain</i> , 2018 , 159, 2486-2492	8	19
44	Brain gray matter alterations in Chinese patients with chronic knee osteoarthritis pain based on voxel-based morphometry. <i>Medicine (United States)</i> , 2018 , 97, e0145	1.8	18
43	Structural Connectivity of the Anterior Cingulate Cortex, Claustrum, and the Anterior Insula of the Mouse. <i>Frontiers in Neuroanatomy</i> , 2018 , 12, 100	3.6	18
42	Estrogen-dependent visceral hypersensitivity following stress in rats: An fMRI study. <i>Molecular Pain</i> , 2016 , 12,	3.4	15
41	Cerebral peak alpha frequency reflects average pain severity in a human model of sustained, musculoskeletal pain. <i>Journal of Neurophysiology</i> , 2019 , 122, 1784-1793	3.2	14
40	High frequency repetitive transcranial magnetic stimulation to the left dorsolateral prefrontal cortex modulates sensorimotor cortex function in the transition to sustained muscle pain. <i>NeuroImage</i> , 2019 , 186, 93-102	7.9	14
39	A meta-analytic study of experimental and chronic orofacial pain excluding headache disorders. <i>NeuroImage: Clinical</i> , 2018 , 20, 901-912	5.3	14
38	Sensorimotor Peak Alpha Frequency Is a Reliable Biomarker of Prolonged Pain Sensitivity. <i>Cerebral Cortex</i> , 2020 , 30, 6069-6082	5.1	13
37	Insights for Clinicians From Brain Imaging Studies of Pain. <i>Clinical Journal of Pain</i> , 2017 , 33, 291-294	3.5	11
36	The cognitive-emotional brain: Opportunities [corrected] and challenges for understanding neuropsychiatric disorders. <i>Behavioral and Brain Sciences</i> , 2015 , 38, e86	0.9	11
35	Brain networks and endogenous pain inhibition are modulated by age and sex in healthy rats. <i>Pain</i> , 2020 , 161, 1371-1380	8	10

34	Believe in your placebo. <i>Journal of Neuroscience</i> , 2006 , 26, 4453-4	6.6	10
33	The medial temporal lobe in nociception: a meta-analytic and functional connectivity study. <i>Pain</i> , 2019 , 160, 1245-1260	8	10
32	Decreased grey matter volume in mTBI patients with post-traumatic headache compared to headache-free mTBI patients and healthy controls: a longitudinal MRI study. <i>Brain Imaging and Behavior</i> , 2020 , 14, 1651-1659	4.1	10
31	Progression of Structural Brain Changes in Patients With Chronic Pancreatitis and Its Association to Chronic Pain: A 7-Year Longitudinal Follow-up Study. <i>Pancreas</i> , 2018 , 47, 1267-1276	2.6	8
30	Anti-NGF treatment can reduce chronic neuropathic pain by changing peripheral mediators and brain activity in rats. <i>Behavioural Pharmacology</i> , 2019 , 30, 79-88	2.4	7
29	Resting State Functional Connectivity of the Rat Claustrum. <i>Frontiers in Neuroanatomy</i> , 2019 , 13, 22	3.6	7
28	Delayed effects of attention on pain sensitivity and conditioned pain modulation. <i>European Journal of Pain</i> , 2019 , 23, 1850-1862	3.7	7
27	Corticomotor Depression is Associated With Higher Pain Severity in the Transition to Sustained Pain: A Longitudinal Exploratory Study of Individual Differences. <i>Journal of Pain</i> , 2019 , 20, 1498-1506	5.2	6
26	Struck from behind: maintaining quality of life with chronic low back pain. <i>Journal of Pain</i> , 2009 , 10, 927-931	3.1	5
25	Individual differences in pain sensitivity are associated with cognitive network functional connectivity following one night of experimental sleep disruption. <i>Human Brain Mapping</i> , 2020 , 41, 581-593	5.0	5
24	Neural and behavioral changes driven by observationally-induced hypoalgesia. <i>Scientific Reports</i> , 2019 , 9, 19760	4.9	4
23	Exploring the potential role of mesocorticolimbic circuitry in motivation for and adherence to chronic pain self-management interventions. <i>Neuroscience and Biobehavioral Reviews</i> , 2019 , 98, 10-17	9	4
22	Corticomotor excitability reduction induced by experimental pain remains unaffected by performing a working memory task as compared to staying at rest. <i>Experimental Brain Research</i> , 2019 , 237, 2205-2215	2.3	3
21	Enhanced mindfulness-based stress reduction in episodic migraine-effects on sleep quality, anxiety, stress, and depression: a secondary analysis of a randomized clinical trial. <i>Pain</i> , 2021 ,	8	3
20	Alcohol-triggered signs of migraine: An animal model. <i>Somatosensory & Motor Research</i> , 2016 , 33, 35-41	1.2	3
19	Pain modulatory network is influenced by sex and age in a healthy state and during osteoarthritis progression in rats. <i>Aging Cell</i> , 2021 , 20, e13292	9.9	3
18	Cognitive modulation of pain-related brain responses. Comments on Seminowicz et al. (Pain 2004;112:48-58). <i>Pain</i> , 2005 , 114, 524-526	8	1
17	Decreased grey matter volume in mTBI patients with post-traumatic headache compared to headache-free mTBI patients and healthy controls: a longitudinal MRI study		1

16	Sensorimotor peak alpha frequency is a reliable biomarker of pain sensitivity		1
15	Enhanced mindfulness based stress reduction (MBSR+) in episodic migraine: a randomized clinical trial with MRI outcomes		1
14	Slow peak alpha frequency and corticomotor depression linked to high pain susceptibility in transition to sustained pain		1
13	Early Life Stress and Risks for Opioid Misuse: Review of Data Supporting Neurobiological Underpinnings. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	1
12	During capsaicin-induced central sensitization, brush allodynia is associated with baseline warmth sensitivity, whereas mechanical hyperalgesia is associated with painful mechanical sensibility, anxiety and somatization. <i>European Journal of Pain</i> , 2021 , 25, 1971-1993	3.7	1
11	Research Priorities in the Field of Posttraumatic Pain and Disability: Results of a Transdisciplinary Consensus-Generating Workshop. <i>Pain Research and Management</i> , 2016 , 2016, 1859434	2.6	1
10	Do chronic pain and comorbidities affect brain function in sickle cell patients? A systematic review of neuroimaging and treatment approaches. <i>Pain</i> , 2019 , 160, 1933-1945	8	1
9	Pain Imaging 2013 , 439-467		1
8	Differences in gray matter volume in episodic migraine patients with and without prior diagnosis or clinical care: a cross-sectional study. <i>Journal of Headache and Pain</i> , 2021 , 22, 127	8.8	0
7	A novel cortical biomarker signature for predicting pain sensitivity: protocol for the PREDICT longitudinal analytical validation study. <i>Pain Reports</i> , 2020 , 5, e833	3.5	0
6	Predicting postoperative pain in lung cancer patients using preoperative peak alpha frequency.. <i>British Journal of Anaesthesia</i> , 2022 ,	5.4	0
5	Tonic pain alters functional connectivity of the descending pain modulatory network involving amygdala, periaqueductal gray, parabrachial nucleus and anterior cingulate cortex.. <i>NeuroImage</i> , 2022 , 256, 119278	7.9	0
4	62 WHAT CAN BRAIN MORPHOMETRY TELL US ABOUT CHRONIC PAIN?. <i>European Journal of Pain</i> , 2007 , 11, S24-S25	3.7	
3	Response to Legrain et al.. <i>Pain</i> , 2005 , 114, 526-527	8	
2	0408 GRAY MATTER VOLUME REDUCTIONS IN THE THALAMUS AND NUCLEUS ACCUMBENS FOLLOWING ACUTE SLEEP CONTINUITY DISRUPTION. <i>Sleep</i> , 2017 , 40, A151-A152	1.1	
1	Time of Day Influences Psychophysical Measures in Women With Burning Mouth Syndrome. <i>Frontiers in Neuroscience</i> , 2021 , 15, 698164	5.1	