

# David A Seminowicz

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8670536/david-a-seminowicz-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Predicting postoperative pain in lung cancer patients using preoperative peak alpha frequency.. <i>British Journal of Anaesthesia</i> , <b>2022</b> ,	5.4	0
86	Tonic pain alters functional connectivity of the descending pain modulatory network involving amygdala, periaqueductal gray, parabrachial nucleus and anterior cingulate cortex.. <i>NeuroImage</i> , <b>2022</b> , 256, 119278	7.9	0
85	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> , <b>2021</b> , 22, 127	8.8	0
84	Early Life Stress and Risks for Opioid Misuse: Review of Data Supporting Neurobiological Underpinnings. <i>Journal of Personalized Medicine</i> , <b>2021</b> , 11,	3.6	1
83	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> , <b>2021</b> ,	8	3
82	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> , <b>2021</b> , 25, 1971-1993	3.7	1
81	Pain modulatory network is influenced by sex and age in a healthy state and during osteoarthritis progression in rats. <i>Aging Cell</i> , <b>2021</b> , 20, e13292	9.9	3
80	Time of Day Influences Psychophysical Measures in Women With Burning Mouth Syndrome. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 698164	5.1	
79	Brain networks and endogenous pain inhibition are modulated by age and sex in healthy rats. <i>Pain</i> , <b>2020</b> , 161, 1371-1380	8	10
78	Sensorimotor Peak Alpha Frequency Is a Reliable Biomarker of Prolonged Pain Sensitivity. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 6069-6082	5.1	13
77	Psilocybin acutely alters the functional connectivity of the claustrum with brain networks that support perception, memory, and attention. <i>NeuroImage</i> , <b>2020</b> , 218, 116980	7.9	29
76	Enhanced mindfulness-based stress reduction in episodic migraine: a randomized clinical trial with magnetic resonance imaging outcomes. <i>Pain</i> , <b>2020</b> , 161, 1837-1846	8	25
75	A novel cortical biomarker signature for predicting pain sensitivity: protocol for the PREDICT longitudinal analytical validation study. <i>Pain Reports</i> , <b>2020</b> , 5, e833	3.5	0
74	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> , <b>2020</b> , 14, 1651-1659	4.1	10
73	Individual differences in pain sensitivity are associated with cognitive network functional connectivity following one night of experimental sleep disruption. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 581-593	5.9	5
72	Anti-NGF treatment can reduce chronic neuropathic pain by changing peripheral mediators and brain activity in rats. <i>Behavioural Pharmacology</i> , <b>2019</b> , 30, 79-88	2.4	7
71	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> , <b>2019</b> , 20, 1498-1506	5.2	6

70	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> , <b>2019</b> , 237, 2205-2215	2.3	3
69	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> , <b>2019</b> , 35, 212-221	3.5	39
68	Non-invasive Motor Cortex Neuromodulation Reduces Secondary Hyperalgesia and Enhances Activation of the Descending Pain Modulatory Network. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 467	5.1	22
67	Resting State Functional Connectivity of the Rat Claustrum. <i>Frontiers in Neuroanatomy</i> , <b>2019</b> , 13, 22	3.6	7
66	Resting state functional connectivity and cognitive task-related activation of the human claustrum. <i>NeuroImage</i> , <b>2019</b> , 196, 59-67	7.9	26
65	Correlation between nerve atrophy, brain grey matter volume and pain severity in patients with primary trigeminal neuralgia. <i>Cephalalgia</i> , <b>2019</b> , 39, 515-525	6.1	19
64	Cerebral peak alpha frequency reflects average pain severity in a human model of sustained, musculoskeletal pain. <i>Journal of Neurophysiology</i> , <b>2019</b> , 122, 1784-1793	3.2	14
63	Delayed effects of attention on pain sensitivity and conditioned pain modulation. <i>European Journal of Pain</i> , <b>2019</b> , 23, 1850-1862	3.7	7
62	Neural and behavioral changes driven by observationally-induced hypoalgesia. <i>Scientific Reports</i> , <b>2019</b> , 9, 19760	4.9	4
61	Neuroimaging of pain in animal models: a review of recent literature. <i>Pain Reports</i> , <b>2019</b> , 4, e732	3.5	21
60	Pain-related nucleus accumbens function: modulation by reward and sleep disruption. <i>Pain</i> , <b>2019</b> , 160, 1196-1207	8	22
59	The medial temporal lobe in nociception: a meta-analytic and functional connectivity study. <i>Pain</i> , <b>2019</b> , 160, 1245-1260	8	10
58	Do chronic pain and comorbidities affect brain function in sickle cell patients? A systematic review of neuroimaging and treatment approaches. <i>Pain</i> , <b>2019</b> , 160, 1933-1945	8	1
57	Exploring the potential role of mesocorticolimbic circuitry in motivation for and adherence to chronic pain self-management interventions. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2019</b> , 98, 10-17	9	4
56	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> , <b>2019</b> , 186, 93-102	7.9	14
55	Brain gray matter alterations in Chinese patients with chronic knee osteoarthritis pain based on voxel-based morphometry. <i>Medicine (United States)</i> , <b>2018</b> , 97, e0145	1.8	18
54	Diffuse noxious inhibitory controls and brain networks are modulated in a testosterone-dependent manner in Sprague Dawley rats. <i>Behavioural Brain Research</i> , <b>2018</b> , 349, 91-97	3.4	20
53	Cerebral peak alpha frequency predicts individual differences in pain sensitivity. <i>NeuroImage</i> , <b>2018</b> , 167, 203-210	7.9	54

52	Structural Connectivity of the Anterior Cingulate Cortex, Claustrum, and the Anterior Insula of the Mouse. <i>Frontiers in Neuroanatomy</i> , <b>2018</b> , 12, 100	3.6	18
51	Left dorsolateral prefrontal cortex repetitive transcranial magnetic stimulation reduces the development of long-term muscle pain. <i>Pain</i> , <b>2018</b> , 159, 2486-2492	8	19
50	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> , <b>2018</b> , 47, 1267-1276	2.6	8
49	A meta-analytic study of experimental and chronic orofacial pain excluding headache disorders. <i>NeuroImage: Clinical</i> , <b>2018</b> , 20, 901-912	5.3	14
48	Insights for Clinicians From Brain Imaging Studies of Pain. <i>Clinical Journal of Pain</i> , <b>2017</b> , 33, 291-294	3.5	11
47	The Dorsolateral Prefrontal Cortex in Acute and Chronic Pain. <i>Journal of Pain</i> , <b>2017</b> , 18, 1027-1035	5.2	169
46	Altered brain structure and function associated with sensory and affective components of classic trigeminal neuralgia. <i>Pain</i> , <b>2017</b> , 158, 1561-1570	8	48
45	0408 GRAY MATTER VOLUME REDUCTIONS IN THE THALAMUS AND NUCLEUS ACCUMBENS FOLLOWING ACUTE SLEEP CONTINUITY DISRUPTION. <i>Sleep</i> , <b>2017</b> , 40, A151-A152	1.1	
44	Research Priorities in the Field of Posttraumatic Pain and Disability: Results of a Transdisciplinary Consensus-Generating Workshop. <i>Pain Research and Management</i> , <b>2016</b> , 2016, 1859434	2.6	1
43	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> , <b>2016</b> , 10, 489	3.3	36
42	Estrogen-dependent visceral hypersensitivity following stress in rats: An fMRI study. <i>Molecular Pain</i> , <b>2016</b> , 12,	3.4	15
41	Alcohol-triggered signs of migraine: An animal model. <i>Somatosensory &amp; Motor Research</i> , <b>2016</b> , 33, 35-41	1.2	3
40	Is a Responsive Default Mode Network Required for Successful Working Memory Task Performance?. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 11595-605	6.6	49
39	Behavioral, metabolic and functional brain changes in a rat model of chronic neuropathic pain: a longitudinal MRI study. <i>NeuroImage</i> , <b>2015</b> , 107, 333-344	7.9	50
38	The cognitive-emotional brain: Opportunities [corrected] and challenges for understanding neuropsychiatric disorders. <i>Behavioral and Brain Sciences</i> , <b>2015</b> , 38, e86	0.9	11
37	Partial recovery of abnormal insula and dorsolateral prefrontal connectivity to cognitive networks in chronic low back pain after treatment. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 2075-92	5.9	90
36	Altered cognition-related brain activity and interactions with acute pain in migraine. <i>NeuroImage: Clinical</i> , <b>2015</b> , 7, 347-58	5.3	37
35	Metabolic brain activity suggestive of persistent pain in a rat model of neuropathic pain. <i>NeuroImage</i> , <b>2014</b> , 91, 344-52	7.9	23

34	Altered Brain Structure and Function Correlate with Disease Severity and Pain Catastrophizing in Migraine Patients. <i>ENeuro</i> , <b>2014</b> , 1, e20.14	3.9	100
33	Altered structure and function in the hippocampus and medial prefrontal cortex in patients with burning mouth syndrome. <i>Pain</i> , <b>2014</b> , 155, 1472-1480	8	98
32	Cognitive-behavioral therapy increases prefrontal cortex gray matter in patients with chronic pain. <i>Journal of Pain</i> , <b>2013</b> , 14, 1573-84	5.2	165
31	Altered C-tactile processing in human dynamic tactile allodynia. <i>Pain</i> , <b>2013</b> , 154, 227-234	8	52
30	Anatomical and functional enhancements of the insula after loss of large primary somatosensory fibers. <i>Cerebral Cortex</i> , <b>2013</b> , 23, 2017-24	5.1	19
29	Pain Imaging <b>2013</b> , 439-467		1
28	Thalamocortical asynchrony in conditions of spinal cord injury pain in rats. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 15843-8	6.6	43
27	Nerve injury causes long-term attentional deficits in rats. <i>Neuroscience Letters</i> , <b>2012</b> , 529, 103-7	3.3	37
26	Effective treatment of chronic low back pain in humans reverses abnormal brain anatomy and function. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 7540-50	6.6	385
25	Regional gray matter density changes in brains of patients with irritable bowel syndrome. <i>Gastroenterology</i> , <b>2010</b> , 139, 48-57.e2	13.3	217
24	Two systems of resting state connectivity between the insula and cingulate cortex. <i>Human Brain Mapping</i> , <b>2009</b> , 30, 2731-45	5.9	510
23	A neurocognitive model of attention to pain: behavioral and neuroimaging evidence. <i>Pain</i> , <b>2009</b> , 144, 230-232	8	282
22	The anatomy of the mesolimbic reward system: a link between personality and the placebo analgesic response. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 4882-7	6.6	151
21	MRI structural brain changes associated with sensory and emotional function in a rat model of long-term neuropathic pain. <i>NeuroImage</i> , <b>2009</b> , 47, 1007-14	7.9	194
20	Struck from behind: maintaining quality of life with chronic low back pain. <i>Journal of Pain</i> , <b>2009</b> , 10, 927-31	3.1	5
19	62 WHAT CAN BRAIN MORPHOMETRY TELL US ABOUT CHRONIC PAIN?. <i>European Journal of Pain</i> , <b>2007</b> , 11, S24-S25	3.7	
18	Accelerated brain gray matter loss in fibromyalgia patients: premature aging of the brain?. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 4004-7	6.6	443
17	Interactions of pain intensity and cognitive load: the brain stays on task. <i>Cerebral Cortex</i> , <b>2007</b> , 17, 1412-21	3.2	129

16	Pain enhances functional connectivity of a brain network evoked by performance of a cognitive task. <i>Journal of Neurophysiology</i> , <b>2007</b> , 97, 3651-9	3.2	124
15	A re-examination of pain-cognition interactions: implications for neuroimaging. <i>Pain</i> , <b>2007</b> , 130, 8-13	8	96
14	Believe in your placebo. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 4453-4	6.6	10
13	Cortical responses to pain in healthy individuals depends on pain catastrophizing. <i>Pain</i> , <b>2006</b> , 120, 297-306		280
12	Response to Legrain et al.. <i>Pain</i> , <b>2005</b> , 114, 526-527	8	
11	Cognitive modulation of pain-related brain responses. Comments on Seminowicz et al. ( <i>Pain</i> 2004;112:48-58). <i>Pain</i> , <b>2005</b> , 114, 524-526	8	1
10	Deep brain stimulation for treatment-resistant depression. <i>Neuron</i> , <b>2005</b> , 45, 651-60	13.9	2899
9	Cognitive modulation of pain-related brain responses depends on behavioral strategy. <i>Pain</i> , <b>2004</b> , 112, 48-58	8	142
8	Limbic-frontal circuitry in major depression: a path modeling metanalysis. <i>NeuroImage</i> , <b>2004</b> , 22, 409-18	7.9	603
7	Personality influences limbic-cortical interactions during sad mood induction. <i>NeuroImage</i> , <b>2003</b> , 20, 2031-9	7.9	92
6	State and trait influences on mood regulation in bipolar disorder: blood flow differences with an acute mood challenge. <i>Biological Psychiatry</i> , <b>2003</b> , 54, 1274-83	7.9	116
5	Division of the corpus callosum into subregions. <i>Brain and Cognition</i> , <b>2002</b> , 50, 62-72	2.7	32
4	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
3	Sensorimotor peak alpha frequency is a reliable biomarker of pain sensitivity		1
2	Enhanced mindfulness based stress reduction (MBSR+) in episodic migraine: a randomized clinical trial with MRI outcomes		1
1	Slow peak alpha frequency and corticomotor depression linked to high pain susceptibility in transition to sustained pain		1