Laura Tiemann

List of Publications by Year
in descending order

23 papers	956 citations	567281 15 h-index	642732 23 g-index
27 all docs	27 docs citations	27 times ranked	1031 citing authors

#	Article	IF	Citations
1	Prefrontal Gamma Oscillations Encode Tonic Pain in Humans. Cerebral Cortex, 2015, 25, 4407-4414.	2.9	189
2	Prefrontal gamma oscillations reflect ongoing pain intensity in chronic back pain patients. Human Brain Mapping, 2019, 40, 293-305.	3.6	90
3	Brain oscillations differentially encode noxious stimulus intensity and pain intensity. NeuroImage, 2017, 148, 141-147.	4.2	79
4	Brain dysfunction in chronic pain patients assessed by resting-state electroencephalography. Pain, 2019, 160, 2751-2765.	4.2	69
5	Gamma oscillations as a neuronal correlate of the attentional effects of pain. Pain, 2010, 150, 302-308.	4.2	64
6	Differential neurophysiological correlates of bottom-up and top-down modulations of pain. Pain, 2015, 156, 289-296.	4.2	52
7	Autonomic responses to tonic pain are more closely related to stimulus intensity than to pain intensity. Pain, 2017, 158, 2129-2136.	4.2	48
8	Prevalence of neuropathic pain in early multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 1224-1230.	3.0	47
9	Gamma oscillations are involved in the sensorimotor transformation of pain. Journal of Neurophysiology, 2012, 108, 1025-1031.	1.8	44
10	Distinct patterns of brain activity mediate perceptual and motor and autonomic responses to noxious stimuli. Nature Communications, 2018, 9, 4487.	12.8	40
11	Dopamine Precursor Depletion Influences Pain Affect Rather than Pain Sensation. PLoS ONE, 2014, 9, e96167.	2.5	36
12	Behavioral and Neuronal Investigations of Hypervigilance in Patients with Fibromyalgia Syndrome. PLoS ONE, 2012, 7, e35068.	2.5	34
13	Neural oscillations and connectivity characterizing the state of tonic experimental pain in humans. Human Brain Mapping, 2020, 41, 17-29.	3.6	31
14	Longitudinal prevalence and determinants of pain in multiple sclerosis: results from the German National Multiple Sclerosis Cohort study. Pain, 2020, 161, 787-796.	4.2	29
15	Cognitive impairment in early MS: contribution of white matter lesions, deep grey matter atrophy, and cortical atrophy. Journal of Neurology, 2020, 267, 2307-2318.	3.6	23
16	Temporalâ€“spectral signaling of sensory information and expectations in the cerebral processing of pain. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	17
17	Dynamics of brain function in patients with chronic pain assessed by microstate analysis of resting-state electroencephalography. Pain, 2021, 162, 2894-2908.	4.2	15
18	Behavioral responses to noxious stimuli shape the perception of pain. Scientific Reports, 2017, 7, 44083.	3.3	13

#	Article	IF	Citations
19	Influence of pain on motor preparation in the human brain. Journal of Neurophysiology, 2017, 118, 2267-2274.	1.8	12
20	Modulating Brain Rhythms of Pain Using Transcranial Alternating Current Stimulation (tACS) - A Sham-Controlled Study in Healthy Human Participants. Journal of Pain, 2021, 22, 1256-1272.	1.4	9
21	Exploring Dynamic Connectivity Biomarkers of Neuropsychiatric Disorders. Trends in Cognitive Sciences, 2021, 25, 336-338.	7.8	6
22	Perceptual and motor responses directly and indirectly mediate the effects of noxious stimuli on autonomic responses. Pain, 2019, 160, 2811-2818.	4.2	3
23	Motor Responses to Noxious Stimuli Shape Pain Perception in Chronic Pain Patients. ENeuro, 2018, 5, ENEURO.0290-18.2018.	1.9	1