Markus Ploner

List of Publications by Year in Descending Order

73 papers	5,121 citations	32 h-index	71 g-index
87 ext. papers	6,060 ext. citations	7.4 avg, IF	5.62 L-index

#	Paper	IF	Citations
73	Case Series: Acute Hemorrhagic Encephalomyelitis After SARS-CoV-2 Vaccination.. *Frontiers in Neurology*, **2021**, 12, 820049	4.1	4
72	Dynamics of brain function in patients with chronic pain assessed by microstate analysis of resting-state electroencephalography. *Pain*, **2021**, 162, 2894-2908	8	1
71	Exploring Dynamic Connectivity Biomarkers of Neuropsychiatric Disorders. *Trends in Cognitive Sciences*, **2021**, 25, 336-338	14	2
70	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	5.2	1
69	Longitudinal prevalence and determinants of pain in multiple sclerosis: results from the German National Multiple Sclerosis Cohort study. *Pain*, **2020**, 161, 787-796	8	12
68	Fatigue, depression, and pain in multiple sclerosis: How neuroinflammation translates into dysfunctional reward processing and anhedonic symptoms. *Multiple Sclerosis Journal*, **2020**, 1352458520972279	5	11
67	Neural oscillations and connectivity characterizing the state of tonic experimental pain in humans. *Human Brain Mapping*, **2020**, 41, 17-29	5.9	13
66	Applying Interdisciplinary Innovations to Advance Theories of Social Behavior: Response to Van Dessel and Colleagues. *Trends in Cognitive Sciences*, **2019**, 23, 450-451	14	1
65	Perceptual and motor responses directly and indirectly mediate the effects of noxious stimuli on autonomic responses. *Pain*, **2019**, 160, 2811-2818	8	2
64	Brain dysfunction in chronic pain patients assessed by resting-state electroencephalography. *Pain*, **2019**, 160, 2751-2765	8	27
63	From correlation towards causality: modulating brain rhythms of pain using transcranial alternating current stimulation. *Pain Reports*, **2019**, 4, e723	3.5	8
62	Prefrontal gamma oscillations reflect ongoing pain intensity in chronic back pain patients. *Human Brain Mapping*, **2019**, 40, 293-305	5.9	49
61	Electroencephalography and magnetoencephalography in pain research-current state and future perspectives. *Pain*, **2018**, 159, 206-211	8	27
60	Motor Responses to Noxious Stimuli Shape Pain Perception in Chronic Pain Patients. *ENeuro*, **2018**, 5,	3.9	1
59	Distinct patterns of brain activity mediate perceptual and motor and autonomic responses to noxious stimuli. *Nature Communications*, **2018**, 9, 4487	17.4	22
58	Brain oscillations differentially encode noxious stimulus intensity and pain intensity. *NeuroImage*, **2017**, 148, 141-147	7.9	53
57	Behavioral responses to noxious stimuli shape the perception of pain. *Scientific Reports*, **2017**, 7, 44083	4.9	12

56	The effects of treatment failure generalize across different routes of drug administration. *Science Translational Medicine*, **2017**, 9,	17.5	32
55	Brain Rhythms of Pain. *Trends in Cognitive Sciences*, **2017**, 21, 100-110	14	165
54	Brain imaging tests for chronic pain: medical, legal and ethical issues and recommendations. *Nature Reviews Neurology*, **2017**, 13, 624-638	15	147
53	Autonomic responses to tonic pain are more closely related to stimulus intensity than to pain intensity. *Pain*, **2017**, 158, 2129-2136	8	27
52	Influence of pain on motor preparation in the human brain. *Journal of Neurophysiology*, **2017**, 118, 2267-2274	3.2	10
51	Spontaneous Cerebrospinal Fluid Leak With Venous Engorgement Mimicking a Contrast-Enhancing Cervical Mass. *JAMA Neurology*, **2016**, 73, 886-7	17.2	1
50	Metabolic connectivity mapping reveals effective connectivity in the resting human brain. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 428-33	11.5	59
49	Prevalence of neuropathic pain in early multiple sclerosis. *Multiple Sclerosis Journal*, **2016**, 22, 1224-30	5	29
48	Towards a taxonomy of pain modulations. *Trends in Cognitive Sciences*, **2015**, 19, 180-2	14	8
47	Differential neurophysiological correlates of bottom-up and top-down modulations of pain. *Pain*, **2015**, 156, 289-296	8	38
46	Prefrontal Gamma Oscillations Encode Tonic Pain in Humans. *Cerebral Cortex*, **2015**, 25, 4407-14	5.1	129
45	Frontostriatal Gating of Tinnitus and Chronic Pain. *Trends in Cognitive Sciences*, **2015**, 19, 567-578	14	121
44	Extensive Recruitment of Plasma Blasts to the Cerebrospinal Fluid in Toscana Virus Encephalitis. *Open Forum Infectious Diseases*, **2015**, 2, ofv124	1	3
43	Dopamine precursor depletion influences pain affect rather than pain sensation. *PLoS ONE*, **2014**, 9, e96167	3.7	32
42	The effect of treatment history on therapeutic outcome: psychological and neurobiological underpinnings. *PLoS ONE*, **2014**, 9, e109014	3.7	29
41	Dissociable neural mechanisms underlying the modulation of pain and anxiety? An FMRI pilot study. *PLoS ONE*, **2014**, 9, e110654	3.7	13
40	Amygdala activity contributes to the dissociative effect of cannabis on pain perception. *Pain*, **2013**, 154, 124-134	8	84
39	The effect of treatment history on therapeutic outcome: an experimental approach. *JAMA Internal Medicine*, **2013**, 173, 1468-9	11.5	69

38	Decoding the perception of pain from fMRI using multivariate pattern analysis. *NeuroImage*, **2012**, 63, 1162-70	7.9	146
37	Decoding an individual's sensitivity to pain from the multivariate analysis of EEG data. *Cerebral Cortex*, **2012**, 22, 1118-23	5.1	118
36	Behavioral and neuronal investigations of hypervigilance in patients with fibromyalgia syndrome. *PLoS ONE*, **2012**, 7, e35068	3.7	26
35	Oscillations are involved in the sensorimotor transformation of pain. *Journal of Neurophysiology*, **2012**, 108, 1025-31	3.2	31
34	The effect of treatment expectation on drug efficacy: imaging the analgesic benefit of the opioid remifentanil. *Science Translational Medicine*, **2011**, 3, 70ra14	17.5	490
33	Neurophysiological coding of traits and states in the perception of pain. *Cerebral Cortex*, **2011**, 21, 2408-14	5.1	75
32	Flexible cerebral connectivity patterns subserve contextual modulations of pain. *Cerebral Cortex*, **2011**, 21, 719-26	5.1	79
31	Modulation of human time processing by subthalamic deep brain stimulation. *PLoS ONE*, **2011**, 6, e24589	3.7	26
30	Differential effects of painful and non-painful stimulation on tactile processing in fibromyalgia syndrome and subjects with masochistic behaviour. *PLoS ONE*, **2010**, 5, e15804	3.7	8
29	Anterior insula integrates information about salience into perceptual decisions about pain. *Journal of Neuroscience*, **2010**, 30, 16324-31	6.6	315
28	Prestimulus functional connectivity determines pain perception in humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 355-60	11.5	222
27	Gamma oscillations as a neuronal correlate of the attentional effects of pain. *Pain*, **2010**, 150, 302-308	8	55
26	Perceptual decisions: from sensory signals to behavior. *Current Biology*, **2009**, 19, R847-9	6.3	3
25	Functional integration within the human pain system as revealed by Granger causality. *Human Brain Mapping*, **2009**, 30, 4025-32	5.9	33
24	Neurocognitive aspects of pain perception. *Trends in Cognitive Sciences*, **2008**, 12, 306-13	14	467
23	Impaired cerebral oscillatory processing in hepatic encephalopathy. *Clinical Neurophysiology*, **2008**, 119, 265-72	4.3	19
22	Differential effects of levodopa and subthalamic nucleus deep brain stimulation on bradykinesia in Parkinson's disease. *Movement Disorders*, **2008**, 23, 218-27	7	37
21	Evoked response amplitudes from somatosensory cortices do not determine reaction times to tactile stimuli. *European Journal of Neuroscience*, **2007**, 25, 3734-41	3.5	1

20	Gamma oscillations in human primary somatosensory cortex reflect pain perception. *PLoS Biology*, **2007**, 5, e133	9.7	243
19	Wilson\¥ disease tremor is associated with magnetic resonance imaging lesions in basal ganglia structures. *Movement Disorders*, **2006**, 21, 2134-9	7	40
18	Pain processing is faster than tactile processing in the human brain. *Journal of Neuroscience*, **2006**, 26, 10879-82	6.6	20
17	Pain suppresses spontaneous brain rhythms. *Cerebral Cortex*, **2006**, 16, 537-40	5.1	119
16	Oscillatory activity reflects the excitability of the human somatosensory system. *NeuroImage*, **2006**, 32, 1231-6	7.9	50
15	Acute axonal neuropathy and Wernicke\¥ encephalopathy. *Journal of Neurology*, **2006**, 253, 1516-7	5.5	8
14	Herpes encephalitis after meningioma resection. *Neurology*, **2005**, 65, 1674-5	6.5	15
13	Pain facilitates tactile processing in human somatosensory cortices. *Journal of Neurophysiology*, **2004**, 92, 1825-9	3.2	30
12	Kortikale Repr□entation von Schmerz. *E-Neuroforum*, **2003**, 9, 72-78		
11	Wernicke\¥ encephalopathy. *Lancet, The*, **2003**, 361, 1000	40	2
10	Cortical representation of venous nociception in humans. *Journal of Neurophysiology*, **2002**, 88, 300-5	3.2	9
9	Cortical representation of first and second pain sensation in humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 12444-8	11.5	174
8	Differential coding of pain intensity in the human primary and secondary somatosensory cortex. *Journal of Neurophysiology*, **2001**, 86, 1499-503	3.2	206
7	Behavioural relevance modulates access to spatial working memory in humans. *European Journal of Neuroscience*, **2001**, 13, 357-363	3.5	2
6	Neurophysiology and functional neuroanatomy of pain perception. *Journal of Clinical Neurophysiology*, **2000**, 17, 592-603	2.2	245
5	Differential organization of touch and pain in human primary somatosensory cortex. *Journal of Neurophysiology*, **2000**, 83, 1770-6	3.2	160
4	Separate representations of static and dynamic touch in human somatosensory thalamus. *Neurology*, **2000**, 54, 2024-6	6.5	2
3	Parallel activation of primary and secondary somatosensory cortices in human pain processing. *Journal of Neurophysiology*, **1999**, 81, 3100-4	3.2	229

2	Pain affect without pain sensation in a patient with a postcentral lesion. *Pain*, **1999**, 81, 211-4	8	149
1	Brain dysfunction in chronic pain patients assessed by resting-state electroencephalography		1