Ulf BaumgÃ¤rtner

List of Publications by Year
in descending order

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60	3,133	186265	155660
papers	citations	28 h-index	55 g-index

61	61	61	3232
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clinical usefulness of laser-evoked potentials. Neurophysiologie Clinique, 2003, 33, 303-314.	2.2	334
2	Neurogenic hyperalgesia versus painful hypoalgesia: two distinct mechanisms of neuropathic pain. Pain, 2002, 96, 141-151.	4.2	201
3	Peripheral and central components of habituation of heat pain perception and evoked potentials in humans. Pain, 2007, 132, 301-311.	4.2	188
4	High opiate receptor binding potential in the human lateral pain system. NeuroImage, 2006, 30, 692-699.	4.2	157
5	Differential nociceptive deficits in patients with borderline personality disorder and self-injurious behavior: laser-evoked potentials, spatial discrimination of noxious stimuli, and pain ratings. Pain, 2004, 110, 470-479.	4.2	139
6	Multiple Somatotopic Representations of Heat and Mechanical Pain in the Operculo-Insular Cortex: A High-Resolution fMRI Study. Journal of Neurophysiology, 2010, 104, 2863-2872.	1.8	129
7	Left-hemisphere dominance in early nociceptive processing in the human parasylvian cortex. NeuroImage, 2003, 20, 441-454.	4.2	125
8	Sleep restriction attenuates amplitudes and attentional modulation of pain-related evoked potentials, but augments pain ratings in healthy volunteers. Pain, 2010, 148, 36-42.	4.2	125
9	Incision and stress regulation in borderline personality disorder: Neurobiological mechanisms of self-injurious behaviour. British Journal of Psychiatry, 2015, 207, 165-172.	2.8	112
10	Emotion Elicitation: A Comparison of Pictures and Films. Frontiers in Psychology, 2016, 7, 180.	2.1	107
11	Quick Discrimination of Adelta and C Fiber Mediated Pain Based on Three Verbal Descriptors. PLoS ONE, 2010, 5, e12944.	2.5	94
12	Asymmetry in the human primary somatosensory cortex and handedness. NeuroImage, 2003, 19, 913-923.	4.2	91
13	Laser guns and hot plates. Pain, 2005, 116, 1-3.	4.2	76
14	Mechanisms and predictors of chronic facial pain in lateral medullary infarction. Annals of Neurology, 2001, 49, 493-500.	5.3	74
15	Contact heat and cold, mechanical, electrical and chemical stimuli to elicit small fiber-evoked potentials: Merits and limitations for basic science and clinical use. Neurophysiologie Clinique, 2012, 42, 267-280.	2.2	74
16	A crossâ€sectional investigation of discontinuation of selfâ€injury and normalizing pain perception in patients with borderline personality disorder. Acta Psychiatrica Scandinavica, 2009, 120, 62-70.	4.5	73
17	Revised Definition of Neuropathic Pain and Its Grading System: An Open Case Series Illustrating Its Use in Clinical Practice. American Journal of Medicine, 2009, 122, S3-S12.	1.5	66
18	Pinprick-evoked brain potentials: a novel tool to assess central sensitization of nociceptive pathways in humans. Journal of Neurophysiology, 2013, 110, 1107-1116.	1.8	63

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19	Interoceptive and multimodal functions of the operculo-insular cortex: Tactile, nociceptive and vestibular representations. NeuroImage, 2013, 83, 75-86.	4.2	59
20	Laser-Evoked Potentials Are Graded and Somatotopically Organized Anteroposteriorly in the Operculoinsular Cortex of Anesthetized Monkeys. Journal of Neurophysiology, 2006, 96, 2802-2808.	1.8	51
21	Cortico-subcortical activation patterns for itch and pain imagery. Pain, 2013, 154, 1989-1998.	4.2	51
22	Sensitivity of laser-evoked potentials versus somatosensory evoked potentials in patients with multiple sclerosis. Clinical Neurophysiology, 2003, 114, 992-1002.	1.5	49
23	Inward currents in primary nociceptive neurons of the rat and pain sensations in humans elicited by infrared diode laser pulses. Pain, 2002, 99, 145-155.	4.2	47
24	Hemispheric asymmetry of hand representation in human primary somatosensory cortex and handedness. Clinical Neurophysiology, 2008, 119, 2579-2586.	1.5	45
25	Brain electrical source analysis of primary cortical components of the tibial nerve somatosensory evoked potential using regional sources. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1998, 108, 588-599.	2.0	41
26	Spatial resolution of fMRI in the human parasylvian cortex: Comparison of somatosensory and auditory activation. NeuroImage, 2005, 25, 877-887.	4.2	39
27	Combined EEG and MEG analysis of early somatosensory evoked activity in children and adolescents with focal epilepsies. Clinical Neurophysiology, 2007, 118, 1721-1735.	1.5	33
28	Early gamma-oscillations as correlate of localized nociceptive processing in primary sensorimotor cortex. Journal of Neurophysiology, 2020, 123, 1711-1726.	1.8	33
29	Dipole source analyses of laser evoked potentials obtained from subdural grid recordings from primary somatic sensory cortex. Journal of Neurophysiology, 2011, 106, 722-730.	1.8	31
30	Effects of Distraction Versus Spatial Discrimination on Laser-Evoked Potentials in Migraine. Headache, 2008, 48, 408-416.	3.9	28
31	Pain in Borderline Personality Disorder. Modern Problems of Pharmacopsychiatry, 2015, 30, 166-175.	2.5	28
32	Explicit episodic memory for sensory-discriminative components of capsaicin-induced pain: Immediate and delayed ratings. Pain, 2009, 143, 97-105.	4.2	26
33	Structural and Functional Asymmetry in the Human Parietal Opercular Cortex. Journal of Neurophysiology, 2009, 101, 3246-3257.	1.8	25
34	Chapter 15 Pain and itch in Wallenberg's syndrome: anatomicalâ€“functional correlations. Supplements To Clinical Neurophysiology, 2006, , 187-194.	2.1	22
35	Review of techniques useful for the assessment of sensory small fiber neuropathies: Report from an IFCN expert group. Clinical Neurophysiology, 2022, 136, 13-38.	1.5	21
36	Electrophysiological correlates of reduced pain perception after theta-burst stimulation. NeuroReport, 2009, 20, 1051-1055.	1.2	20

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37	Effect of sleep deprivation on the electrophysiological signature of habituation to noxious laser stimuli. European Journal of Pain, 2015, 19, 1197-1209.	2.8	20
38	Dipole Source Analyses of Early Median Nerve SEP Components Obtained From Subdural Grid Recordings. Journal of Neurophysiology, 2010, 104, 3029-3041.	1.8	18
39	Assessment of small fibers using evoked potentials. Scandinavian Journal of Pain, 2014, 5, 111-118.	1.3	18
40	The role of nociceptive input and tissue injury on stress regulation in borderline personality disorder. Pain, 2017, 158, 479-487.	4.2	18
41	Evidence for early activation of primary motor cortex and SMA after electrical lower limb stimulation using EEG source reconstruction. Brain Research, 2006, 1125, 17-25.	2.2	17
42	Comparison of LEP and QST and their contribution to standard sensory diagnostic assessment of spinal lesions: a pilot study. Neurological Sciences, 2011, 32, 401-410.	1.9	17
43	The role of seeing blood in non-suicidal self-injury in female patients with borderline personality disorder. Psychiatry Research, 2016, 246, 676-682.	3.3	17
44	Abolished laser-evoked potentials and normal blink reflex in midlateral medullary infarction. Journal of Neurology, 1999, 246, 347-352.	3.6	16
45	Laser-evoked potentials for assessment of nociceptive pathways in humans. Pain Forum, 1998, 7, 191-195.	1.1	14
46	A novel human surrogate model of noninjurious sharp mechanical pain. Pain, 2016, 157, 214-224.	4.2	14
47	Posterior Insular GABA Levels Inversely Correlate with the Intensity of Experimental Mechanical Pain in Healthy Subjects. Neuroscience, 2018, 387, 116-122.	2.3	13
48	Laserâ€evoked potentials mediated by mechanoâ€insensitive nociceptors in human skin. European Journal of Pain, 2016, 20, 845-854.	2.8	10
49	Detection of central circuits implicated in the formation of novel pain memories. Journal of Pain Research, 2016, Volume 9, 671-681.	2.0	9
50	Stress reactivity and painâ€mediated stress regulation in remitted patients with borderline personality disorder. Brain and Behavior, 2018, 8, e00909.	2.2	7
51	Evaluation of psychosocial and biological parameters in women seeking for a caesarean section and women who are aiming for vaginal delivery: a cross-sectional study. Archives of Gynecology and Obstetrics, 2018, 297, 897-905.	1.7	7
52	The glutamate to Î³-aminobutyric acid ratio in the posterior insula is associated with pain perception in healthy women but not in women with borderline personality disorder. Pain, 2019, 160, 2487-2496.	4.2	7
53	Changes in birth-related pain perception impact of neurobiological and psycho-social factors. Archives of Gynecology and Obstetrics, 2018, 297, 591-599.	1.7	6
54	Differential perception of sharp pain in patients with borderline personality disorder. European Journal of Pain, 2019, 23, 1448-1463.	2.8	6

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55	Are There Nociceptive-Specific Brain Potentials?. Journal of Neurophysiology, 2009, 102, 3073-3074.	1.8	5
56	Effects of a Painful Stimulus on Stress Regulation in Male Patients With Borderline Personality Disorder: A Pilot Study. Journal of Personality Disorders, 2019, 33, 394-412.	1.4	3
57	Posterior insular activity contributes to the late laser-evoked potential component in EEG recordings. Clinical Neurophysiology, 2021, 132, 770-781.	1.5	2
58	Modality-specific facilitation of noninjurious sharp mechanical pain by topical capsaicin. Pain, 2021, 162, 275-286.	4.2	1
59	Cerebral processing of sharp mechanical pain measured with arterial spin labeling. Brain and Behavior, 2022, 12, e2442.	2.2	1
60	Schmerzmessung beim Menschen. Neurophysiologie-Labor, 2012, 34, 149-173.	0.0	0