Mathieu PichÃ©

List of Publications by Year
in descending order

83 papers	1,694 citations	331259 21 h-index	315357 38 g-index
84 all docs	84 docs citations	84 times ranked	1949 citing authors

#	Article	IF	Citations
1	Mechanistic perspective on conditioned pain modulation. Pain, 2023, 164, e1-e2.	2.0	4
2	Disruption of working memory and contralateral delay activity by nociceptive stimuli is modulated by task demands. Pain, 2022, 163, 1335-1345.	2.0	2
3	Attenuation of widespread hypersensitivity to noxious mechanical stimuli by inhibition of GABAergic neurons of the right amygdala in a rat model of chronic back pain. European Journal of Pain, 2022, 26, 911-928.	1.4	4
4	Editorial: Mechanisms and Effectiveness of Complementary and Alternative Medicine for Pain Management. Frontiers in Pain Research, 2022, 3, 863751.	0.9	1
5	Presence of Tumor Necrosis Factor-Alpha in Urine Samples of Patients With Chronic Low Back Pain Undergoing Chiropractic Care: Preliminary Findings From a Prospective Cohort Study. Frontiers in Integrative Neuroscience, 2022, 16, 879083.	1.0	8
6	Structural brain plasticity induced by early blindness. European Journal of Neuroscience, 2021, 53, 778-795.	1.2	12
7	Neurophysiological mechanisms of chiropractic spinal manipulation for spine pain. European Journal of Pain, 2021, 25, 1429-1448.	1.4	28
8	Spinal and supraspinal modulation of pain responses by hypnosis, suggestions, and distraction. American Journal of Clinical Hypnosis, 2021, 63, 329-354.	0.3	3
9	Locomotor deficits induced by lumbar muscle inflammation involve spinal microglia and are independent of KCC2 expression in a mouse model of complete spinal transection. Experimental Neurology, 2021, 338, 113592.	2.0	1
10	Contribution of astrocytes to neurovascular coupling in the spinal cord of the rat. Journal of Physiological Sciences, 2021, 71, 16.	0.9	5
11	Effects of chiropracticÂspinal manipulation on laser-evoked pain and brain activity. Journal of Physiological Sciences, 2021, 71, 20.	0.9	4
12	Reduction of Pain and Spinal Nociceptive Transmission by Working Memory is Load Dependant. Journal of Pain, 2021, 22, 797-805.	0.7	7
13	Early and late visual deprivation induce hypersensitivity to mechanical and thermal noxious stimuli in the ZRDBA mouse. European Journal of Pain, 2021, 25, 2257-2265.	1.4	4
14	Fasting prevents medetomidineâ€induced hyperglycaemia and alterations of neurovascular coupling in the somatosensory cortex of the rat during noxious stimulation. European Journal of Neuroscience, 2021, 54, 4906-4919.	1.2	1
15	Chiropractic Spinal Manipulation Prevents Secondary Hyperalgesia Induced by Topical Capsaicin in Healthy Individuals. Frontiers in Pain Research, 2021, 2, 702429.	0.9	3
16	Cortical interaction of bilateral inputs is similar for noxious and innocuous stimuli but leads to different perceptual effects. Experimental Brain Research, 2021, 239, 2803-2819.	0.7	4
17	Spinal and Cerebral Integration of Noxious Inputs in Left-handed Individuals. Brain Topography, 2021, 34, 568-586.	0.8	4
18	Clinical Effectiveness and Efficacy of Chiropractic Spinal Manipulation for Spine Pain. Frontiers in Pain Research, 2021, 2, 765921.	0.9	8

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19	Segmental Chiropractic Spinal Manipulation Does not Reduce Pain Amplification and the Associated Pain-Related Brain Activity in a Capsaicin-Heat Pain Model. Frontiers in Pain Research, 2021, 2, 733727.	0.9	1
20	Effects of spatial attention and limb position on the cortical interaction of bilateral noxious inputs. Psychophysiology, 2021, , e13966.	1.2	0
21	Brain Responses to Hypnotic Verbal Suggestions Predict Pain Modulation. Frontiers in Pain Research, 2021, 2, 757384.	0.9	3
22	Electrophysiological investigation of the contribution of attention to altered pain inhibition processes in patients with irritable bowel syndrome. Journal of Physiological Sciences, 2020, 70, 46.	0.9	6
23	Better Olfactory Performance and Larger Olfactory Bulbs in a Mouse Model of Congenital Blindness. Chemical Senses, 2020, 45, 523-531.	1.1	6
24	Distinct fMRI patterns colocalized in the cingulate cortex underlie the after-effects of cognitive control on pain. NeuroImage, 2020, 217, 116898.	2.1	18
25	Hypnotic Automaticity in the Brain at Rest: An Arterial Spin Labelling Study. International Journal of Clinical and Experimental Hypnosis, 2019, 67, 512-542.	1.1	10
26	Pain Hypersensitivity is Associated with Increased Amygdala Volume and c-Fos Immunoreactivity in Anophthalmic Mice.. Neuroscience, 2019, 418, 37-49.	1.1	14
27	Regulation of cortical blood flow responses by the nucleus basalis of Meynert during nociceptive processing. Neuroscience Research, 2019, 149, 22-28.	1.0	4
28	Integration of bilateral nociceptive inputs tunes spinal and cerebral responses. Scientific Reports, 2019, 9, 7143.	1.6	12
29	Paraspinal muscle function and pain sensitivity following exercise-induced delayed-onset muscle soreness. European Journal of Applied Physiology, 2019, 119, 1305-1311.	1.2	11
30	Cortical integration of bilateral nociceptive signals: when more is less. Pain, 2019, 160, 724-733.	2.0	12
31	Improving working memory and pain inhibition in older persons using transcranial direct current stimulation. Neuroscience Research, 2019, 148, 19-27.	1.0	19
32	H-reflex disinhibition by lumbar muscle inflammation in a mouse model of spinal cord injury. Neuroscience Letters, 2019, 690, 36-41.	1.0	5
33	Isoflurane anesthesia does not affect spinal cord neurovascular coupling: evidence from decerebrated rats. Journal of Physiological Sciences, 2019, 69, 13-21.	0.9	5
34	Enhancement of pain inhibition by working memory with anodal transcranial direct current stimulation of the left dorsolateral prefrontal cortex. Journal of Physiological Sciences, 2018, 68, 825-836.	0.9	28
35	Inhibition of Pain and Pain-Related Brain Activity by Heterotopic Noxious Counter-Stimulation and Selective Attention in Chronic Non-Specific Low Back Pain. Neuroscience, 2018, 387, 201-213.	1.1	16
36	Predictors of disability and absenteeism in workers with non-specific low back pain: A longitudinal 15-month study. Applied Ergonomics, 2018, 68, 176-185.	1.7	17

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37	Functional Neuroimaging of Nociceptive and Painâ€Related Activity in the Spinal Cord and Brain: Insights From Neurovascular Coupling Studies. Anatomical Record, 2018, 301, 1585-1595.	0.8	8
38	Sympathetic regulation and anterior cingulate cortex volume are altered in a rat model of chronic back pain. Neuroscience, 2017, 352, 9-18.	1.1	10
39	Tight neurovascular coupling in the spinal cord during nociceptive stimulation in intact and spinal rats. Neuroscience, 2017, 355, 1-8.	1.1	14
40	The mechanism of back pain relief by spinal manipulation relies on decreased temporal summation of pain. Neuroscience, 2017, 349, 220-228.	1.1	31
41	Systemic blood pressure alters cortical blood flow and neurovascular coupling during nociceptive processing in the primary somatosensory cortex of the rat. Neuroscience, 2017, 343, 250-259.	1.1	19
42	Lumbar muscle inflammation alters spinally mediated locomotor recovery induced by training in a mouse model of complete spinal cord injury. Neuroscience, 2017, 359, 69-81.	1.1	3
43	Increasing pain inhibition by working memory with anodal transcranial direct current stimulation of the left dorsolateral prefrontal cortex. Brain Stimulation, 2017, 10, e33.	0.7	2
44	Inhibitory effects of heterotopic noxious counterâ€stimulation on perception and brain activity related to Aî²â€fibre activation. European Journal of Neuroscience, 2016, 44, 1771-1778.	1.2	20
45	Age-related audiovisual interactions in the superior colliculus of the rat. Neuroscience, 2016, 320, 19-29.	1.1	19
46	Physiological and Psychological Predictors of Short-Term Disability in Workers with a History of Low Back Pain: A Longitudinal Study. PLoS ONE, 2016, 11, e0165478.	1.1	14
47	Is temporal summation of pain and spinal nociception altered during normal aging?. Pain, 2015, 156, 1945-1953.	2.0	17
48	Types of Skin Afferent Fibers and Spinal Opioid Receptors that Contribute to Touch-Induced Inhibition of Heart Rate Changes Evoked by Noxious Cutaneous Heat Stimulation. Molecular Pain, 2015, 11, s12990-015-0001.	1.0	21
49	Serial processing in primary and secondary somatosensory cortex: A DCM analysis of human fMRI data in response to innocuous and noxious electrical stimulation. Neuroscience Letters, 2014, 577, 83-88.	1.0	26
50	Reduced pain inhibition is associated with reduced cognitive inhibition in healthy aging. Pain, 2014, 155, 494-502.	2.0	52
51	Regulation of gastric motility and blood flow during acute nociceptive stimulation of the paraspinal muscles in urethane-anaesthetised rats. Journal of Physiological Sciences, 2014, 64, 37-46.	0.9	5
52	Non-noxious skin stimulation activates the nucleus basalis of Meynert and promotes NGF secretion in the parietal cortex via nicotinic ACh receptors. Journal of Physiological Sciences, 2014, 64, 253-260.	0.9	9
53	Neuromuscular adaptations predict functional disability independently of clinical pain and psychological factors in patients with chronic non-specific low back pain. Journal of Electromyography and Kinesiology, 2014, 24, 550-557.	0.7	32
54	Basal Î¼-opioid receptor availability in the amygdala predicts the inhibition of pain-related brain activity during heterotopic noxious counter-stimulation. Neuroscience Research, 2014, 81-82, 78-84.	1.0	21

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55	Complex regional pain syndrome: From diagnosis to rehabilitation. World Journal of Anesthesiology, 2014, 3, 46.	0.5	0
56	Self-regulation of acute experimental pain with and without biofeedback using spinal nociceptive responses. Neuroscience, 2013, 231, 102-110.	1.1	8
57	Neurovascular coupling during nociceptive processing in the primary somatosensory cortex of the rat. Pain, 2013, 154, 1434-1441.	2.0	16
58	Effects of noxious stimulation and pain expectations on neuromuscular control of the spine in patients with chronic low back pain. Spine Journal, 2013, 13, 1263-1272.	0.6	17
59	Expectations Modulate Heterotopic Noxious Counter-Stimulation Analgesia. Journal of Pain, 2013, 14, 114-125.	0.7	36
60	Pain modulation induced by respiration: Phase and frequency effects. Neuroscience, 2013, 252, 501-511.	1.1	32
61	Thicker Posterior Insula Is Associated With Disease Duration inÂWomen With Irritable Bowel Syndrome (IBS) Whereas Thicker Orbitofrontal Cortex Predicts Reduced Pain Inhibition in Both IBSÂPatients and Controls. Journal of Pain, 2013, 14, 1217-1226.	0.7	56
62	Widespread increases in cerebral blood flow in forebrain neocortical areas induced by innocuous somatosensory stimulation: Contribution of nucleus basalis of Meynert. Autonomic Neuroscience: Basic and Clinical, 2012, 171, 90.	1.4	0
63	Top-down attentional modulation of analgesia induced by heterotopic noxious counterstimulation. Pain, 2012, 153, 1755-1762.	2.0	31
64	Reduction of physiological noise with independent component analysis improves the detection of nociceptive responses with fMRI of the human spinal cord. NeuroImage, 2012, 63, 245-252.	2.1	22
65	Modulation of Pain-Induced Neuromuscular Trunk Responses by Pain Expectations: A Single Group Study. Journal of Manipulative and Physiological Therapeutics, 2012, 35, 636-644.	0.4	10
66	Tuning the gain of somato-sympathetic reflexes by stimulation of the thoracic spine in humans. Neuroscience Letters, 2011, 490, 107-111.	1.0	6
67	Effect of experimental low back pain on neuromuscular control of the trunk in healthy volunteers and patients with chronic low back pain. Journal of Electromyography and Kinesiology, 2011, 21, 774-781.	0.7	45
68	Decreased pain inhibition in irritable bowel syndrome depends on altered descending modulation and higher-order brain processes. Neuroscience, 2011, 195, 166-175.	1.1	64
69	Changes in Spinal Reflex Excitability Associated With Motor Sequence Learning. Journal of Neurophysiology, 2010, 103, 2675-2683.	0.9	18
70	Widespread hypersensitivity is related to altered pain inhibition processes in irritable bowel syndrome. Pain, 2010, 148, 49-58.	2.0	103
71	Dissection of perceptual, motor and autonomic components of brain activity evoked by noxious stimulation. Pain, 2010, 149, 453-462.	2.0	65
72	Modulation of somatosensoryâ€evoked cortical blood flow changes by GABAergic inhibition of the nucleus basalis of Meynert in urethaneâ€anaesthetized rats. Journal of Physiology, 2010, 588, 2163-2171.	1.3	26

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73	Heart Rate Variability Modulation After Manipulation in Pain-Free Patients vs Patients in Pain. Journal of Manipulative and Physiological Therapeutics, 2010, 33, 321.	0.4	4
74	Heart Rate Variability Modulation After Manipulation in Pain-Free Patients vs Patients in Pain? The Importance of Controlling for Respiration Rate Changes. Journal of Manipulative and Physiological Therapeutics, 2010, 33, 554-555.	0.4	4
75	Cerebral and Spinal Modulation of Pain by Emotions. Nature Precedings, 2009, , .	0.1	1
76	Cerebral and spinal modulation of pain by emotions. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20900-20905.	3.3	214
77	Cerebral and Cerebrospinal Processes Underlying Counterirritation Analgesia. Journal of Neuroscience, 2009, 29, 14236-14246.	1.7	142
78	Characterization of cardiac-related noise in fMRI of the cervical spinal cord. Magnetic Resonance Imaging, 2009, 27, 300-310.	1.0	58
79	JCCA Editorial Board. Journal of the Canadian Chiropractic Association, 2009, 53, 225.	0.2	0
80	Auditory responses in the visual cortex of neonatally enucleated rats. Neuroscience, 2007, 145, 1144-1156.	1.1	51
81	Cerebral regulation of autonomic and nociceptive reflexes induced by electrical stimulation of the sural nerve in fMRI. Autonomic Neuroscience: Basic and Clinical, 2007, 135, 78-79.	1.4	0
82	Development of a Computerized Intervertebral Motion Analysis of the Cervical Spine for Clinical Application. Journal of Manipulative and Physiological Therapeutics, 2007, 30, 38-43.	0.4	5
83	Environmental enrichment enhances auditory takeover of the occipital cortex in anophthalmic mice. European Journal of Neuroscience, 2004, 20, 3463-3472.	1.2	47