

# Mathieu PichÃ©

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

1,694  
citations

331670

21  
h-index

315739

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. <i>Pain</i> , 2023, 164, e1-e2.	4.2	4
2	Disruption of working memory and contralateral delay activity by nociceptive stimuli is modulated by task demands. <i>Pain</i> , 2022, 163, 1335-1345.	4.2	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. <i>European Journal of Pain</i> , 2022, 26, 911-928.	2.8	4
4	Editorial: Mechanisms and Effectiveness of Complementary and Alternative Medicine for Pain Management. <i>Frontiers in Pain Research</i> , 2022, 3, 863751.	2.0	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. <i>Frontiers in Integrative Neuroscience</i> , 2022, 16, 879083.	2.1	8
6	Structural brain plasticity induced by early blindness. <i>European Journal of Neuroscience</i> , 2021, 53, 778-795.	2.6	12
7	Neurophysiological mechanisms of chiropractic spinal manipulation for spine pain. <i>European Journal of Pain</i> , 2021, 25, 1429-1448.	2.8	28
8	Spinal and supraspinal modulation of pain responses by hypnosis, suggestions, and distraction. <i>American Journal of Clinical Hypnosis</i> , 2021, 63, 329-354.	0.6	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. <i>Experimental Neurology</i> , 2021, 338, 113592.	4.1	1
10	Contribution of astrocytes to neurovascular coupling in the spinal cord of the rat. <i>Journal of Physiological Sciences</i> , 2021, 71, 16.	2.1	5
11	Effects of chiropractic spinal manipulation on laser-evoked pain and brain activity. <i>Journal of Physiological Sciences</i> , 2021, 71, 20.	2.1	4
12	Reduction of Pain and Spinal Nociceptive Transmission by Working Memory is Load Dependant. <i>Journal of Pain</i> , 2021, 22, 797-805.	1.4	7
13	Early and late visual deprivation induce hypersensitivity to mechanical and thermal noxious stimuli in the ZRDBA mouse. <i>European Journal of Pain</i> , 2021, 25, 2257-2265.	2.8	4
14	Fasting prevents medetomidine-induced hyperglycaemia and alterations of neurovascular coupling in the somatosensory cortex of the rat during noxious stimulation. <i>European Journal of Neuroscience</i> , 2021, 54, 4906-4919.	2.6	1
15	Chiropractic Spinal Manipulation Prevents Secondary Hyperalgesia Induced by Topical Capsaicin in Healthy Individuals. <i>Frontiers in Pain Research</i> , 2021, 2, 702429.	2.0	3
16	Cortical interaction of bilateral inputs is similar for noxious and innocuous stimuli but leads to different perceptual effects. <i>Experimental Brain Research</i> , 2021, 239, 2803-2819.	1.5	4
17	Spinal and Cerebral Integration of Noxious Inputs in Left-handed Individuals. <i>Brain Topography</i> , 2021, 34, 568-586.	1.8	4
18	Clinical Effectiveness and Efficacy of Chiropractic Spinal Manipulation for Spine Pain. <i>Frontiers in Pain Research</i> , 2021, 2, 765921.	2.0	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. <i>Frontiers in Pain Research</i> , 2021, 2, 733727.	2.0	1
20	Effects of spatial attention and limb position on the cortical interaction of bilateral noxious inputs. <i>Psychophysiology</i> , 2021, , e13966.	2.4	0
21	Brain Responses to Hypnotic Verbal Suggestions Predict Pain Modulation. <i>Frontiers in Pain Research</i> , 2021, 2, 757384.	2.0	3
22	Electrophysiological investigation of the contribution of attention to altered pain inhibition processes in patients with irritable bowel syndrome. <i>Journal of Physiological Sciences</i> , 2020, 70, 46.	2.1	6
23	Better Olfactory Performance and Larger Olfactory Bulbs in a Mouse Model of Congenital Blindness. <i>Chemical Senses</i> , 2020, 45, 523-531.	2.0	6
24	Distinct fMRI patterns colocalized in the cingulate cortex underlie the after-effects of cognitive control on pain. <i>NeuroImage</i> , 2020, 217, 116898.	4.2	18
25	Hypnotic Automaticity in the Brain at Rest: An Arterial Spin Labelling Study. <i>International Journal of Clinical and Experimental Hypnosis</i> , 2019, 67, 512-542.	1.8	10
26	Pain Hypersensitivity is Associated with Increased Amygdala Volume and c-Fos Immunoreactivity in Anophthalmic Mice. <i>Neuroscience</i> , 2019, 418, 37-49.	2.3	14
27	Regulation of cortical blood flow responses by the nucleus basalis of Meynert during nociceptive processing. <i>Neuroscience Research</i> , 2019, 149, 22-28.	1.9	4
28	Integration of bilateral nociceptive inputs tunes spinal and cerebral responses. <i>Scientific Reports</i> , 2019, 9, 7143.	3.3	12
29	Paraspinal muscle function and pain sensitivity following exercise-induced delayed-onset muscle soreness. <i>European Journal of Applied Physiology</i> , 2019, 119, 1305-1311.	2.5	11
30	Cortical integration of bilateral nociceptive signals: when more is less. <i>Pain</i> , 2019, 160, 724-733.	4.2	12
31	Improving working memory and pain inhibition in older persons using transcranial direct current stimulation. <i>Neuroscience Research</i> , 2019, 148, 19-27.	1.9	19
32	H-reflex disinhibition by lumbar muscle inflammation in a mouse model of spinal cord injury. <i>Neuroscience Letters</i> , 2019, 690, 36-41.	2.1	5
33	Isoflurane anesthesia does not affect spinal cord neurovascular coupling: evidence from decerebrated rats. <i>Journal of Physiological Sciences</i> , 2019, 69, 13-21.	2.1	5
34	Enhancement of pain inhibition by working memory with anodal transcranial direct current stimulation of the left dorsolateral prefrontal cortex. <i>Journal of Physiological Sciences</i> , 2018, 68, 825-836.	2.1	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. <i>Neuroscience</i> , 2018, 387, 201-213.	2.3	16
36	Predictors of disability and absenteeism in workers with non-specific low back pain: A longitudinal 15-month study. <i>Applied Ergonomics</i> , 2018, 68, 176-185.	3.1	17

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37	Functional Neuroimaging of Nociceptive and Pain-Related Activity in the Spinal Cord and Brain: Insights From Neurovascular Coupling Studies. <i>Anatomical Record</i> , 2018, 301, 1585-1595.	1.4	8
38	Sympathetic regulation and anterior cingulate cortex volume are altered in a rat model of chronic back pain. <i>Neuroscience</i> , 2017, 352, 9-18.	2.3	10
39	Tight neurovascular coupling in the spinal cord during nociceptive stimulation in intact and spinal rats. <i>Neuroscience</i> , 2017, 355, 1-8.	2.3	14
40	The mechanism of back pain relief by spinal manipulation relies on decreased temporal summation of pain. <i>Neuroscience</i> , 2017, 349, 220-228.	2.3	31
41	Systemic blood pressure alters cortical blood flow and neurovascular coupling during nociceptive processing in the primary somatosensory cortex of the rat. <i>Neuroscience</i> , 2017, 343, 250-259.	2.3	19
42	Lumbar muscle inflammation alters spinally mediated locomotor recovery induced by training in a mouse model of complete spinal cord injury. <i>Neuroscience</i> , 2017, 359, 69-81.	2.3	3
43	Increasing pain inhibition by working memory with anodal transcranial direct current stimulation of the left dorsolateral prefrontal cortex. <i>Brain Stimulation</i> , 2017, 10, e33.	1.6	2
44	Inhibitory effects of heterotopic noxious counter-stimulation on perception and brain activity related to A $\delta$ -fibre activation. <i>European Journal of Neuroscience</i> , 2016, 44, 1771-1778.	2.6	20
45	Age-related audiovisual interactions in the superior colliculus of the rat. <i>Neuroscience</i> , 2016, 320, 19-29.	2.3	19
46	Physiological and Psychological Predictors of Short-Term Disability in Workers with a History of Low Back Pain: A Longitudinal Study. <i>PLoS ONE</i> , 2016, 11, e0165478.	2.5	14
47	Is temporal summation of pain and spinal nociception altered during normal aging?. <i>Pain</i> , 2015, 156, 1945-1953.	4.2	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. <i>Molecular Pain</i> , 2015, 11, s12990-015-0001.	2.1	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. <i>Neuroscience Letters</i> , 2014, 577, 83-88.	2.1	26
50	Reduced pain inhibition is associated with reduced cognitive inhibition in healthy aging. <i>Pain</i> , 2014, 155, 494-502.	4.2	52
51	Regulation of gastric motility and blood flow during acute nociceptive stimulation of the paraspinal muscles in urethane-anaesthetised rats. <i>Journal of Physiological Sciences</i> , 2014, 64, 37-46.	2.1	5
52	Non-noxious skin stimulation activates the nucleus basalis of Meynert and promotes NGF secretion in the parietal cortex via nicotinic ACh receptors. <i>Journal of Physiological Sciences</i> , 2014, 64, 253-260.	2.1	9
53	Neuromuscular adaptations predict functional disability independently of clinical pain and psychological factors in patients with chronic non-specific low back pain. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 550-557.	1.7	32
54	Basal $\mu$ -opioid receptor availability in the amygdala predicts the inhibition of pain-related brain activity during heterotopic noxious counter-stimulation. <i>Neuroscience Research</i> , 2014, 81-82, 78-84.	1.9	21

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55	Complex regional pain syndrome: From diagnosis to rehabilitation. <i>World Journal of Anesthesiology</i> , 2014, 3, 46.	0.5	0
56	Self-regulation of acute experimental pain with and without biofeedback using spinal nociceptive responses. <i>Neuroscience</i> , 2013, 231, 102-110.	2.3	8
57	Neurovascular coupling during nociceptive processing in the primary somatosensory cortex of the rat. <i>Pain</i> , 2013, 154, 1434-1441.	4.2	16
58	Effects of noxious stimulation and pain expectations on neuromuscular control of the spine in patients with chronic low back pain. <i>Spine Journal</i> , 2013, 13, 1263-1272.	1.3	17
59	Expectations Modulate Heterotopic Noxious Counter-Stimulation Analgesia. <i>Journal of Pain</i> , 2013, 14, 114-125.	1.4	36
60	Pain modulation induced by respiration: Phase and frequency effects. <i>Neuroscience</i> , 2013, 252, 501-511.	2.3	32
61	Thicker Posterior Insula Is Associated With Disease Duration in Women With Irritable Bowel Syndrome (IBS) Whereas Thicker Orbitofrontal Cortex Predicts Reduced Pain Inhibition in Both IBS Patients and Controls. <i>Journal of Pain</i> , 2013, 14, 1217-1226.	1.4	56
62	Widespread increases in cerebral blood flow in forebrain neocortical areas induced by innocuous somatosensory stimulation: Contribution of nucleus basalis of Meynert. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2012, 171, 90.	2.8	0
63	Top-down attentional modulation of analgesia induced by heterotopic noxious counterstimulation. <i>Pain</i> , 2012, 153, 1755-1762.	4.2	31
64	Reduction of physiological noise with independent component analysis improves the detection of nociceptive responses with fMRI of the human spinal cord. <i>NeuroImage</i> , 2012, 63, 245-252.	4.2	22
65	Modulation of Pain-Induced Neuromuscular Trunk Responses by Pain Expectations: A Single Group Study. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2012, 35, 636-644.	0.9	10
66	Tuning the gain of somato-sympathetic reflexes by stimulation of the thoracic spine in humans. <i>Neuroscience Letters</i> , 2011, 490, 107-111.	2.1	6
67	Effect of experimental low back pain on neuromuscular control of the trunk in healthy volunteers and patients with chronic low back pain. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 774-781.	1.7	45
68	Decreased pain inhibition in irritable bowel syndrome depends on altered descending modulation and higher-order brain processes. <i>Neuroscience</i> , 2011, 195, 166-175.	2.3	64
69	Changes in Spinal Reflex Excitability Associated With Motor Sequence Learning. <i>Journal of Neurophysiology</i> , 2010, 103, 2675-2683.	1.8	18
70	Widespread hypersensitivity is related to altered pain inhibition processes in irritable bowel syndrome. <i>Pain</i> , 2010, 148, 49-58.	4.2	103
71	Dissection of perceptual, motor and autonomic components of brain activity evoked by noxious stimulation. <i>Pain</i> , 2010, 149, 453-462.	4.2	65
72	Modulation of somatosensory-evoked cortical blood flow changes by GABAergic inhibition of the nucleus basalis of Meynert in urethane anaesthetized rats. <i>Journal of Physiology</i> , 2010, 588, 2163-2171.	2.9	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.	0.9	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.	0.9	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.	7.1	214
77	Cerebral and Cerebrospinal Processes Underlying Counterirritation Analgesia. Journal of Neuroscience, 2009, 29, 14236-14246.	3.6	142
78	Characterization of cardiac-related noise in fMRI of the cervical spinal cord. Magnetic Resonance Imaging, 2009, 27, 300-310.	1.8	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.	2.3	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.	2.8	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.	0.9	5
83	Environmental enrichment enhances auditory takeover of the occipital cortex in anophthalmic mice. European Journal of Neuroscience, 2004, 20, 3463-3472.	2.6	47