Serge Marchand

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4423381/publications.pdf

Version: 2024-02-01

108 papers	6,008 citations	50276 46 h-index	74163 75 g-index
113 all docs	113 docs citations	113 times ranked	5009 citing authors

#	Article	IF	Citations
1	Widespread pain in fibromyalgia is related to a deficit of endogenous pain inhibition. Pain, 2005, 114, 295-302.	4.2	520
2	Recommendations on terminology and practice of psychophysical DNIC testing. European Journal of Pain, 2010, 14, 339-339.	2.8	415
3	Descending analgesia â€“ When the spine echoes what the brain expects. Pain, 2007, 130, 137-143.	4.2	243
4	Is TENS purely a placebo effect? A controlled study on chronic low back pain. Pain, 1993, 54, 99-106.	4.2	217
5	Changes in Pain Perception and Descending Inhibitory Controls Start at Middle Age in Healthy Adults. Clinical Journal of Pain, 2007, 23, 506-510.	1.9	169
6	The role of sex hormones on formalin-induced nociceptive responses. Brain Research, 2002, 958, 139-145.	2.2	145
7	An experimental model to measure excitatory and inhibitory pain mechanisms in humans. Brain Research, 2008, 1230, 73-79.	2.2	145
8	Establishing a Link Between Heart Rate and Pain in Healthy Subjects: A Gender Effect. Journal of Pain, 2005, 6, 341-347.	1.4	137
9	What Makes Transcutaneous Electrical Nerve Stimulation Work? Making Sense of the Mixed Results in the Clinical Literature. Physical Therapy, 2013, 93, 1397-1402.	2.4	132
10	Pain facilitation and pain inhibition during conditioned pain modulation in fibromyalgia and in healthy controls. Pain, 2016, 157, 1704-1710.	4.2	123
11	Human evidence of a supraâ€spinal modulating role of dopamine on pain perception. Synapse, 2009, 63, 390-402.	1.2	118
12	The Deficit of Pain Inhibition in Fibromyalgia Is More Pronounced in Patients With Comorbid Depressive Symptoms. Clinical Journal of Pain, 2009, 25, 123-127.	1.9	118
13	Efficacy of the Transcutaneous Electrical Nerve Stimulation for the Treatment of Chronic Low Back Pain. Spine, 2002, 27, 596-603.	2.0	114
14	Specificity of female and male sex hormones on excitatory and inhibitory phases of formalin-induced nociceptive responses. Brain Research, 2005, 1052, 105-111.	2.2	110
15	Excitatory and inhibitory pain mechanisms during the menstrual cycle in healthy women. Pain, 2009, 146, 47-55.	4.2	105
16	Insights into the mechanisms and the emergence of sex-differences in pain. Neuroscience, 2016, 338, 63-80.	2.3	105
17	Stimulation of Human Thalamus for Pain Relief: Possible Modulatory Circuits Revealed by Positron Emission Tomography. Journal of Neurophysiology, 1998, 80, 3326-3330.	1.8	102
18	The Physiology of Pain Mechanisms: From the Periphery to the Brain. Rheumatic Disease Clinics of North America, 2008, 34, 285-309.	1.9	98

#	Article	IF	Citations
19	Pain Inhibition Is Deficient in Chronic Widespread Pain but Normal in Major Depressive Disorder. Journal of Clinical Psychiatry, 2011, 72, 219-224.	2.2	94
20	DRD3 Ser9Gly Polymorphism Is Related to Thermal Pain Perception and Modulation in Chronic Widespread Pain Patients and Healthy Controls. Journal of Pain, 2009, 10, 969-975.	1.4	91
21	Hypoalgesia in schizophrenia is independent of antipsychotic drugs: A systematic quantitative review of experimental studies. Pain, 2008, 138, 70-78.	4.2	88
22	Preterm births: Can neonatal pain alter the development of endogenous gating systems?. European Journal of Pain, 2008, 12, 945-951.	2.8	87
23	Effects of Motor Cortex Modulation and Descending Inhibitory Systems on Pain Thresholds in Healthy Subjects. Journal of Pain, 2012, 13, 450-458.	1.4	87
24	Analgesic and placebo effects of thalamic stimulation. Pain, 2003, 105, 481-488.	4.2	85
25	Pain Modulation: From Conditioned Pain Modulation to Placebo and Nocebo Effects in Experimental and Clinical Pain. International Review of Neurobiology, 2018, 139, 255-296.	2.0	84
26	Spatial summation for pain perception: interaction of inhibitory and excitatory mechanisms. Pain, 2002, 95, 201-206.	4.2	83
27	Randomized controlled trial on low level laser therapy (LLLT) in the treatment of osteoarthritis (OA) of the hand. Lasers in Surgery and Medicine, 2005, 36, 210-219.	2.1	83
28	Odors modulate pain perceptionA gender-specific effect. Physiology and Behavior, 2002, 76, 251-256.	2.1	82
29	Deciphering the role of endogenous opioids in high-frequency TENS using low and high doses of naloxone. Pain, 2010, 151, 215-219.	4.2	81
30	Direct Comparison of Placebo Effects on Clinical and Experimental Pain. Clinical Journal of Pain, 2006, 22, 204-211.	1.9	79
31	Deep brain stimulation: a review of basic research and clinical studies. Pain, 1991, 45, 49-59.	4.2	78
32	Effects of Caffeine on Analgesia from Transcutaneous Electrical Nerve Stimulation. New England Journal of Medicine, 1995, 333, 325-326.	27.0	78
33	Spinal Opioid Analgesia: How Critical Is the Regulation of Substance P Signaling?. Journal of Neuroscience, 1999, 19, 9642-9653.	3.6	74
34	Fibromyalgia subgroups: profiling distinct subgroups using the Fibromyalgia Impact Questionnaire. A preliminary study. Rheumatology International, 2009, 29, 509-515.	3.0	74
35	Evidence of descending inhibition deficits in atypical but not classical trigeminal neuralgia. Pain, 2009, 147, 217-223.	4.2	71
36	Individual Differences in Pain Sensitivity Vary as a Function of Precuneus Reactivity. Brain Topography, 2014, 27, 366-374.	1.8	70

#	Article	IF	Citations
37	Pain perception in schizophrenia: No changes in diffuse noxious inhibitory controls (DNIC) but a lack of pain sensitization. Journal of Psychiatric Research, 2008, 42, 1010-1016.	3.1	67
38	Modulation of Heat Pain Perception by High Frequency Transcutaneous Electrical Nerve Stimulation (TENS). Clinical Journal of Pain, 1991, 7, 122-129.	1.9	61
39	No relationship between the ins del polymorphism of the serotonin transporter promoter and pain perception in fibromyalgia patients and healthy controls. European Journal of Pain, 2010, 14, 742-746.	2.8	59
40	The role of cardiovascular activity in fibromyalgia and conditioned pain modulation. Pain, 2014, 155, 1064-1069.	4.2	58
41	Comparing Pain Modulation and Autonomic Responses in Fibromyalgia and Irritable Bowel Syndrome Patients. Clinical Journal of Pain, 2012, 28, 519-526.	1.9	57
42	Cardiovascular influences on conditioned pain modulation. Pain, 2013, 154, 1377-1382.	4.2	57
43	Multicomponent Interdisciplinary Group Intervention for Self-Management of Fibromyalgia: A Mixed-Methods Randomized Controlled Trial. PLoS ONE, 2015, 10, e0126324.	2.5	57
44	Respiratory Effects on Experimental Heat Pain and Cardiac Activity. Pain Medicine, 2009, 10, 1334-1340.	1.9	56
45	Pain relief through expectation supersedes descending inhibitory deficits in fibromyalgia patients. Pain, 2009, 145, 18-23.	4.2	55
46	Reduced Analgesic Effect of Acupuncture-like TENS but Not Conventional TENS in Opioid-Treated Patients. Journal of Pain, 2011, 12, 213-221.	1.4	52
47	Analgesic and antihyperalgesic effects of nabilone on experimental heat pain. Current Medical Research and Opinion, 2008, 24, 1017-1024.	1.9	49
48	Sex differences in perceived pain are affected by an anxious brain. Pain, 2011, 152, 2065-2073.	4.2	47
49	Is the Deficit in Pain Inhibition in Fibromyalgia Influenced by Sleep Impairments?. Open Rheumatology Journal, 2012, 6, 296-302.	0.2	46
50	Sex differences in cardiac and autonomic response to clinical and experimental pain in LBP patients. European Journal of Pain, 2006, 10, 603-603.	2.8	45
51	Pain Perception in Schizophrenia: Evidence of a Specific Pain Response Profile. Pain Medicine, 2012, 13, 1571-1579.	1.9	44
52	Endogenous pain inhibitory systems activated by spatial summation are opioid-mediated. Neuroscience Letters, 2006, 401, 256-260.	2.1	43
53	Pathophysiology of chronic pain in cerebral palsy: implications for pharmacological treatment and research. Developmental Medicine and Child Neurology, 2018, 60, 861-865.	2.1	39
54	Different Autonomic Responses to Experimental Pain in IBS Patients and Healthy Controls. Journal of Clinical Gastroenterology, 2006, 40, 814-820.	2.2	36

#	Article	IF	Citations
55	Electrical stimulation of peripheral and central pathways for the relief of musculoskeletal pain. Canadian Journal of Physiology and Pharmacology, 1991, 69, 697-703.	1.4	33
56	Temporal Summation of Pain Is Not Amplified in a Large Proportion of Fibromyalgia Patients. Pain Research and Treatment, 2012, 2012, 1-6.	1.7	29
57	Glial and neuroimmune cell choreography in sexually dimorphic pain signaling. Neuroscience and Biobehavioral Reviews, 2021, 125, 168-192.	6.1	29
58	A Deficit in Peripheral Serotonin Levels in Major Depressive Disorder but Not in Chronic Widespread Pain. Clinical Journal of Pain, 2011, 27, 529-534.	1.9	27
59	Assessing Pain Behaviors in Healthy Subjects Using the Critical-Care Pain Observation Tool (CPOT): A Pilot Study. Journal of Pain, 2010, 11, 983-987.	1.4	26
60	Gender specificity of the slow wave sleep lost in chronic widespread musculoskeletal pain. Sleep Medicine, 2011, 12, 179-185.	1.6	26
61	Add-on Treatment of Quetiapine for Fibromyalgia. Journal of Clinical Psychopharmacology, 2012, 32, 684-687.	1.4	23
62	Central pain in a hemispherectomized patient. European Journal of Pain, 2001, 5, 209-218.	2.8	22
63	Autonomic reactivity to pain throughout the menstrual cycle in healthy women. Clinical Autonomic Research, 2009, 19, 167-173.	2.5	22
64	Training the Next Generation of Researchers in Work Disability Prevention: The Canadian Work Disability Prevention CIHR Strategic Training Program. Journal of Occupational Rehabilitation, 2005, 15, 273-284.	2.2	16
65	Spinal cord stimulation analgesia. Pain, 2015, 156, 364-365.	4.2	12
66	Evaluation of the Bonapace Method: a specific educational intervention to reduce pain during childbirth. Journal of Pain Research, 2013, 6, 653.	2.0	11
67	Altered Autonomic Nervous System Reactivity to Pain in Trigeminal Neuralgia. Canadian Journal of Neurological Sciences, 2015, 42, 125-131.	0.5	11
68	Triggering Descending Pain Inhibition by Observing Ourselves or a Loved-One in Pain. Clinical Journal of Pain, 2016, 32, 238-245.	1.9	11
69	Preoperative Norepinephrine Levels in Cerebrospinal Fluid and Plasma Correlate With Pain Intensity After Pediatric Spine Surgery. Spine Deformity, 2017, 5, 325-333.	1.5	11
70	Mechanisms Challenges of the Pain Phenomenon. Frontiers in Pain Research, 2020, 1, 574370.	2.0	11
71	Relationship Between Blood- and Cerebrospinal Fluidâ€“Bound Neurotransmitter Concentrations and Conditioned Pain Modulation in Pain-Free and Chronic Pain Subjects. Journal of Pain, 2015, 16, 436-444.	1.4	10
72	Multicenter assessment of quantitative sensory testing (QST) for the detection of neuropathic-like pain responses using the topical capsaicin model. Canadian Journal of Pain, 2018, 2, 266-279.	1.7	10

#	Article	IF	Citations
73	Virtual Reality and the Mediation of Acute and Chronic Pain in Adult and Pediatric Populations: Research Developments. Frontiers in Pain Research, 2022, 3, .	2.0	10
74	Blood monoamines as potential biomarkers for conditioned pain modulation efficacy: An exploratory study in paediatrics. European Journal of Pain, 2019, 23, 327-340.	2.8	9
75	The effect of conditioning stimulus intensity on conditioned pain modulation (CPM) hypoalgesia. Canadian Journal of Pain, 2021, 5, 22-29.	1.7	9
76	Escola inter-relacional de fibromialgia: aprendendo a lidar com a dor - estudo clÃnico randomizado. Revista Brasileira De Reumatologia, 2008, 48, 218-225.	0.8	8
77	Aging Independently of the Hormonal Status Changes Pain Responses in Young Postmenopausal Women. Pain Research and Treatment, 2012, 2012, 1-7.	1.7	7
78	Placebo and nocebo: how to enhance therapies and avoid unintended sabotage to pain treatment. Pain Management, 2013, 3, 285-294.	1.5	7
79	Pleasant Pain Relief and Inhibitory Conditioned Pain Modulation: A Psychophysical Study. Pain Research and Management, 2018, 2018, 1-8.	1.8	7
80	Impact of a specific training programme on the neuromodulation of pain in female patient with fibromyalgia (DouFiSport): a 24-month, controlled, randomised, double-blind protocol. BMJ Open, 2019, 9, e023742.	1.9	7
81	A primate model for the study of tonic pain, pain tolerance and diffuse noxious inhibitory controls. Brain Research, 1989, 487, 388-391.	2.2	6
82	Efficacy of Transcutaneous Electrical Nerve Stimulation (TENS) for Rheumatoid Arthritis: A Systematic Review. Physical Therapy Reviews, 2002, 7, 199-208.	0.8	6
83	Long-Term Persistency of Abnormal Heart Rate Variability following Long NICU Stay and Surgery at Birth. Pain Research and Treatment, 2014, 2014, 1-7.	1.7	6
84	Increased spinal pain sensitization in major depressive disorder: A pilot study. Psychiatry Research, 2016, 246, 756-761.	3.3	6
85	Clinical relevance and ethical aspects of placebos. Seminars in Pain Medicine, 2005, 3, 7-14.	0.4	5
86	Helpâ^'seeking process in women with irritable bowel syndrome. Part 1: study results. Gastrointestinal Nursing, 2008, 6, 24-31.	0.1	5
87	Medial Orbitofrontal De-Activation During Tonic Cold Pain Stimulation: A fMRI Study Examining the Opponent-Process Theory . Journal of Pain Research, 2020, Volume 13, 1335-1347.	2.0	5
88	Help-â^'seeking process in women with irritable bowel syndrome. Part 2: discussion. Gastrointestinal Nursing, 2009, 6, 28-32.	0.1	4
89	Estrogenic impregnation alters pain expression: analysis through functional neuropeptidomics in a surgical rat model of osteoarthritis. Naunyn-Schmiedeberg's Archives of Pharmacology, 2022, 395, 703-715.	3.0	4
90	Nervous system stimulation for pain relief. APS Journal, 1993, 2, 103-106.	0.2	3

#	Article	IF	Citations
91	Author Response. Physical Therapy, 2013, 93, 1427-1428.	2.4	3
92	Transcutaneous electrical nerve stimulation (TENS): towards the development of a clinic-friendly method for the evaluation of excitatory and inhibitory pain mechanisms. Canadian Journal of Pain, 2021, 5, 56-65.	1.7	3
93	Transcranial direct current stimulation for provoked vestibulodynia: What roles do psychosexual factors play in treatment response?. Journal of Clinical Neuroscience, 2021, 93, 54-60.	1.5	3
94	Neurophysiologie de la douleur. , 0, , 3-38.		3
95	Lâ€™inÃ©galitÃ© des sexes dans la douleurÂ: un mythe devenu rÃ©alitÃ©. Douleurs, 2009, 10, 230-236.	0.0	2
96	SantÃ© mentale et douleur. , 2013, , .		2
97	Sex and Gender Differences in Pain and Mental Health. , 2014, , 47-80.		2
98	Dr. Marchand's response to Dr. Coffey's letterThalamic stimulation: placebo component in the clinical efficacy. Pain, 2004, 109, 523-524.	4.2	1
99	Spinal Mechanisms of Placebo Analgesia and Nocebo Hyperalgesia. , 2013, , 45-52.		1
100	Bases anatomo-physiologiques de la chirurgie de la douleur. , 2014, , 7-36.		1
101	Markedly Reduced Thermal Pain Perception in a Schizoaffective Patient with Tardive Dyskinesia. Case Reports in Psychiatry, 2016, 2016, 1-3.	0.5	1
102	Physiopathology of Pain. , 2017, , 75-95.		1
103	Comparison of Thermal and Electrical Modalities in the Assessment of Temporal Summation of Pain and Conditioned Pain Modulation. Frontiers in Pain Research, 2021, 2, 659563.	2.0	1
104	Reply to Dr. R.B. North. Pain, 1992, 49, 157-158.	4.2	0
105	Heeft TENS louter een placebo-effect? Een gecontroleerd onderzoek naar chronische lage-rugpijn. Stimulus, 1994, 13, 261-261.	0.0	0
106	Reply to D.L. Bourke. Pain, 1994, 56, 123.	4.2	0
107	Development and Validation of a Predictive Model of Pain Modulation Profile to Guide Chronic Pain Treatment: A Study Protocol. Frontiers in Pain Research, 2021, 2, 606422.	2.0	0
108	Neurophysiology of Pain. , 2014, , 15-31.		0