Kathleen A Sluka

List of Publications by Year
in descending order

227 papers	19,065 citations	11639 70 h-index	14197 128 g-index
235 all docs	235 docs citations	235 times ranked	13993 citing authors

#	Article	IF	Citations
1	Management of Postoperative Pain: A Clinical Practice Guideline From the American Pain Society, the American Society of Regional Anesthesia and Pain Medicine, and the American Society of Anesthesiologists' Committee on Regional Anesthesia, Executive Committee, and Administrative Council. Journal of Pain, 2016, 17, 131-157.	0.7	2,040
2	The revised International Association for the Study of Pain definition of pain: concepts, challenges, and compromises. Pain, 2020, 161, 1976-1982.	2.0	1,880
3	The DRASIC Cation Channel Contributes to the Detection of Cutaneous Touch and Acid Stimuli in Mice. Neuron, 2001, 32, 1071-1083.	3.8	569
4	Transcutaneous electrical nerve stimulation: Basic science mechanisms and clinical effectiveness. Journal of Pain, 2003, 4, 109-121.	0.7	564
5	Do we need a third mechanistic descriptor for chronic pain states?. Pain, 2016, 157, 1382-1386.	2.0	502
6	Unilateral intramuscular injections of acidic saline produce a bilateral, long-lasting hyperalgesia. Muscle and Nerve, 2001, 24, 37-46.	1.0	462
7	Neurobiology of fibromyalgia and chronic widespread pain. Neuroscience, 2016, 338, 114-129.	1.1	444
8	Chronic hyperalgesia induced by repeated acid injections in muscle is abolished by the loss of ASIC3, but not ASIC1. Pain, 2003, 106, 229-239.	2.0	396
9	Effectiveness of transcutaneous electrical nerve stimulation for treatment of hyperalgesia and pain. Current Rheumatology Reports, 2008, 10, 492-499.	2.1	344
10	An Overview of Animal Models of Pain: Disease Models and Outcome Measures. Journal of Pain, 2013, 14, 1255-1269.	0.7	318
11	Using TENS for pain control: the state of the evidence. Pain Management, 2014, 4, 197-209.	0.7	268
12	Core Competencies for Pain Management: Results of an Interprofessional Consensus Summit. Pain Medicine, 2013, 14, 971-981.	0.9	240
13	Unique Role of Dystroglycan in Peripheral Nerve Myelination, Nodal Structure, and Sodium Channel Stabilization. Neuron, 2003, 38, 747-758.	3.8	230
14	Does exercise increase or decrease pain? Central mechanisms underlying these two phenomena. Journal of Physiology, 2017, 595, 4141-4150.	1.3	227
15	The initial effects of knee joint mobilization on osteoarthritic hyperalgesia. Manual Therapy, 2007, 12, 109-118.	1.6	223
16	Unilateral carrageenan injection into muscle or joint induces chronic bilateral hyperalgesia in rats. Pain, 2003, 104, 567-577.	2.0	207
17	Transcutaneous electrical nerve stimulation reduces pain, fatigue and hyperalgesia while restoring central inhibition in primary fibromyalgia. Pain, 2013, 154, 2554-2562.	2.0	178
18	ASIC3 in muscle mediates mechanical, but not heat, hyperalgesia associated with muscle inflammation. Pain, 2007, 129, 102-112.	2.0	165

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19	A Mechanism-Based Approach to Physical Therapist Management of Pain. Physical Therapy, 2018, 98, 302-314.	1.1	165
20	Do dorsal root reflexes augment peripheral inflammation?. NeuroReport, 1994, 5, 821-824.	0.6	158
21	Release of GABA and activation of GABAA in the spinal cord mediates the effects of TENS in rats. Brain Research, 2007, 1136, 43-50.	1.1	150
22	Hypoalgesia in Response to Transcutaneous Electrical Nerve Stimulation (TENS) Depends on Stimulation Intensity. Journal of Pain, 2011, 12, 929-935.	0.7	149
23	Exercise-induced pain and analgesia? Underlying mechanisms and clinical translation. Pain, 2018, 159, S91-S97.	2.0	146
24	A Pain Research Agenda for the 21st Century. Journal of Pain, 2014, 15, 1203-1214.	0.7	145
25	ASIC1 and ASIC3 Play Different Roles in the Development of Hyperalgesia After Inflammatory Muscle Injury. Journal of Pain, 2010, 11, 210-218.	0.7	144
26	Nonpharmacological Treatments for Musculoskeletal Pain. Clinical Journal of Pain, 2001, 17, 33-46.	0.8	143
27	Regular physical activity prevents development of chronic pain and activation of central neurons. Journal of Applied Physiology, 2013, 114, 725-733.	1.2	142
28	Predictors of postoperative movement and resting pain following total knee replacement. Pain, 2012, 153, 2192-2203.	2.0	138
29	Deep Tissue Afferents, but not Cutaneous Afferents, Mediate Transcutaneous Electrical Nerve Stimulationâ€"Induced Antihyperalgesia. Journal of Pain, 2005, 6, 673-680.	0.7	133
30	Effects of Transcutaneous Electrical Nerve Stimulation on Pain, Pain Sensitivity, and Function in People With Knee Osteoarthritis: A Randomized Controlled Trial. Physical Therapy, 2012, 92, 898-910.	1.1	132
31	What Makes Transcutaneous Electrical Nerve Stimulation Work? Making Sense of the Mixed Results in the Clinical Literature. Physical Therapy, 2013, 93, 1397-1402.	1.1	132
32	Transcutaneous electrical nerve stimulation for acute pain. , 2009, , CD006142.		128
33	Central sensitization and changes in conditioned pain modulation in people with chronic nonspecific low back pain: a caseâ€"control study. Experimental Brain Research, 2015, 233, 2391-2399.	0.7	128
34	Effect of varying frequency, intensity, and pulse duration of transcutaneous electrical nerve stimulation on primary hyperalgesia in inflamed rats. Archives of Physical Medicine and Rehabilitation, 2000, 81, 984-990.	0.5	125
35	Transcutaneous electrical nerve stimulation for acute pain. The Cochrane Library, 2021, 2021, CD006142.	1.5	121
36	Regular physical activity prevents chronic pain by altering resident muscle macrophage phenotype and increasing interleukin-10 in mice. Pain, 2016, 157, 70-79.	2.0	120

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37	Research Gaps in Practice Guidelines for Acute Postoperative Pain Management in Adults: Findings From a Review of the Evidence for an American Pain Society Clinical Practice Guideline. Journal of Pain, 2016, 17, 158-166.	0.7	119
38	Experimental muscle pain impairs descending inhibition. Pain, 2008, 140, 465-471.	2.0	117
39	Phosphorylation of CREB and Mechanical Hyperalgesia Is Reversed by Blockade of the cAMP Pathway in a Time-Dependent Manner after Repeated Intramuscular Acid Injections. Journal of Neuroscience, 2003, 23, 5437-5445.	1.7	116
40	Spinal 5-HT2 and 5-HT3 receptors mediate low, but not high, frequency TENS-induced antihyperalgesia in rats. Pain, 2003, 105, 205-213.	2.0	115
41	IL-10 Cytokine Released from M2 Macrophages Is Crucial for Analgesic and Anti-inflammatory Effects of Acupuncture in a Model of Inflammatory Muscle Pain. Molecular Neurobiology, 2015, 51, 19-31.	1.9	115
42	A New Transient Sham TENS Device Allows for Investigator Blinding While Delivering a True Placebo Treatment. Journal of Pain, 2010, 11, 230-238.	0.7	113
43	Transition to chronic pain: opportunities for novel therapeutics. Nature Reviews Neuroscience, 2018, 19, 383-384.	4.9	113
44	Prevalence of gluteus medius weakness in people with chronic low back pain compared to healthy controls. European Spine Journal, 2016, 25, 1258-1265.	1.0	112
45	Role of brainstem serotonin in analgesia produced by low-intensity exercise on neuropathic pain after sciatic nerve injury in mice. Pain, 2015, 156, 2595-2606.	2.0	111
46	Interleukin-4 mediates the analgesia produced by low-intensity exercise in mice with neuropathic pain. Pain, 2018, 159, 437-450.	2.0	108
47	Transcutaneous electrical nerve stimulation (TENS) reduces chronic hyperalgesia induced by muscle inflammation. Pain, 2006, 120, 182-187.	2.0	107
48	High-frequency, but not low-frequency, transcutaneous electrical nerve stimulation reduces aspartate and glutamate release in the spinal cord dorsal horn. Journal of Neurochemistry, 2005, 95, 1794-1801.	2.1	105
49	Development of opioid tolerance with repeated transcutaneous electrical nerve stimulation administration. Pain, 2003, 102, 195-201.	2.0	104
50	An investigation of the development of analgesic tolerance to TENS in humans. Pain, 2011, 152, 335-342.	2.0	102
51	Low-Intensity Exercise Reverses Chronic Muscle Pain in the Rat in a Naloxone-Dependent Manner. Archives of Physical Medicine and Rehabilitation, 2005, 86, 1736-1740.	0.5	96
52	Acid-Sensing Ion Channel 3 Expression in Mouse Knee Joint Afferents and Effects of Carrageenan-Induced Arthritis. Journal of Pain, 2009, 10, 336-342.	0.7	96
53	Adjusting Pulse Amplitude During Transcutaneous Electrical Nerve Stimulation (TENS) Application Produces Greater Hypoalgesia. Journal of Pain, 2011, 12, 581-590.	0.7	96
54	Increased Release of Serotonin in the Spinal Cord During Low, But Not High, Frequency Transcutaneous Electric Nerve Stimulation in Rats With Joint Inflammation. Archives of Physical Medicine and Rehabilitation, 2006, 87, 1137-1140.	0.5	94

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55	Chronic Muscle Pain Induced by Repeated Acid Injection Is Reversed by Spinally Administered Î¼- and Î´-, but Not Îº-, Opioid Receptor Agonists. Journal of Pharmacology and Experimental Therapeutics, 2002, 302, 1146-1150.	1.3	92
56	Central mechanisms in the maintenance of chronic widespread noninflammatory muscle pain. Current Pain and Headache Reports, 2008, 12, 338-343.	1.3	92
57	Animal models of fibromyalgia. Arthritis Research and Therapy, 2013, 15, 222.	1.6	91
58	Blockade of calcium channels can prevent the onset of secondary hyperalgesia and allodynia induced by intradermal injection of capsaicin in rats. Pain, 1997, 71, 157-164.	2.0	90
59	Pregabalin Reduces Muscle and Cutaneous Hyperalgesia in Two Models of Chronic Muscle Pain in Rats. Journal of Pain, 2007, 8, 422-429.	0.7	88
60	Preoperative Predictors of Pain Following Total Knee Arthroplasty. Journal of Arthroplasty, 2014, 29, 1383-1387.	1.5	87
61	Spinal Cord Stimulation Reduces Mechanical Hyperalgesia and Glial Cell Activation in Animals with Neuropathic Pain. Anesthesia and Analgesia, 2014, 118, 464-472.	1.1	86
62	Acidic buffer induced muscle pain evokes referred pain and mechanical hyperalgesia in humans. Pain, 2008, 140, 254-264.	2.0	85
63	Women with knee osteoarthritis have more pain and poorer function than men, but similar physical activity prior to total knee replacement. Biology of Sex Differences, 2011, 2, 12.	1.8	85
64	Massage Reduces Pain Perception and Hyperalgesia in Experimental Muscle Pain: A Randomized, Controlled Trial. Journal of Pain, 2008, 9, 714-721.	0.7	84
65	Examining sex differences in knee pain: the Multicenter Osteoarthritis Study. Osteoarthritis and Cartilage, 2014, 22, 1100-1106.	0.6	83
66	Transcutaneous electrical nerve stimulation for the control of pain during rehabilitation after total knee arthroplasty: A randomized, blinded, placebo-controlled trial. Pain, 2014, 155, 2599-2611.	2.0	82
67	Knee joint mobilization reduces secondary mechanical hyperalgesia induced by capsaicin injection into the ankle joint. European Journal of Pain, 2001, 5, 81-87.	1.4	80
68	Effects of NMDA and non-NMDA ionotropic glutamate receptor antagonists on the development and maintenance of hyperalgesia induced by repeated intramuscular injection of acidic saline. Pain, 2002, 98, 69-78.	2.0	80
69	Low frequency TENS is less effective than high frequency TENS at reducing inflammation-induced hyperalgesia in morphine-tolerant rats. European Journal of Pain, 2000, 4, 185-193.	1.4	77
70	Transcutaneous electrical nerve stimulation activates peripherally located alpha-2A adrenergic receptors. Pain, 2005, 115, 364-373.	2.0	77
71	Characterization of a method for measuring primary hyperalgesia of deep somatic tissue. Journal of Pain, 2005, 6, 41-47.	0.7	75
72	Hypoalgesic Effect of the Transcutaneous Electrical Nerve Stimulation Following Inguinal Herniorrhaphy: A Randomized, Controlled Trial. Journal of Pain, 2008, 9, 623-629.	0.7	75

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73	Excitatory amino acid release in the spinal cord caused by plantar incision in the rat. Pain, 2002, 100, 65-76.	2.0	68
74	Modulation Between High- and Low-Frequency Transcutaneous Electric Nerve Stimulation Delays the Development of Analgesic Tolerance in Arthritic Rats. Archives of Physical Medicine and Rehabilitation, 2008, 89, 754-760.	0.5	68
75	Selective targeting of ASIC3 using artificial miRNAs inhibits primary and secondary hyperalgesia after muscle inflammation. Pain, 2011, 152, 2348-2356.	2.0	68
76	How does physical activity modulate pain?. Pain, 2017, 158, 369-370.	2.0	68
77	Activation of NMDA Receptors in the Brainstem, Rostral Ventromedial Medulla, and Nucleus Reticularis Gigantocellularis Mediates Mechanical Hyperalgesia Produced by Repeated Intramuscular Injections of Acidic Saline in Rats. Journal of Pain, 2010, 11, 378-387.	0.7	67
78	High and Low Frequency TENS Reduce Postoperative Pain Intensity After Laparoscopic Tubal Ligation. Clinical Journal of Pain, 2009, 25, 12-19.	0.8	66
79	Genetic Reduction of Chronic Muscle Pain in Mice Lacking Calcium/Calmodulin-Stimulated Adenylyl Cyclases. Molecular Pain, 2006, 2, 1744-8069-2-7.	1.0	64
80	Joint Mobilization Reduces Hyperalgesia Associated With Chronic Muscle and Joint Inflammation in Rats. Journal of Pain, 2006, 7, 602-607.	0.7	63
81	Pain sensitivity profiles in patients with advanced knee osteoarthritis. Pain, 2016, 157, 1988-1999.	2.0	63
82	Activation of the cAMP transduction cascade contributes to the mechanical hyperalgesia and allodynia induced by intradermal injection of capsaicin. British Journal of Pharmacology, 1997, 122, 1165-1173.	2.7	62
83	Acid-sensing ion channels: A new target for pain and CNS diseases. Current Opinion in Drug Discovery & Development, 2009, 12, 693-704.	1.9	62
84	Fatiguing exercise enhances hyperalgesia to muscle inflammation. Pain, 2010, 148, 188-197.	2.0	61
85	Metaâ€analysis of transcutaneous electrical nerve stimulation for relief of spinal pain. European Journal of Pain, 2018, 22, 663-678.	1.4	61
86	Transcutaneous Electrical Nerve Stimulation Reduces Movementâ€Evoked Pain and Fatigue: A Randomized, Controlled Trial. Arthritis and Rheumatology, 2020, 72, 824-836.	2.9	59
87	Fatigue-enhanced hyperalgesia in response to muscle insult: Induction and development occur in a sex-dependent manner. Pain, 2013, 154, 2668-2676.	2.0	55
88	The dichotomized role for acid sensing ion channels in musculoskeletal pain and inflammation. Neuropharmacology, 2015, 94, 58-63.	2.0	55
89	ASIC3 Is Required for Development of Fatigue-Induced Hyperalgesia. Molecular Neurobiology, 2016, 53, 1020-1030.	1.9	55
90	Do Cognitive and Physical Fatigue Tasks Enhance Pain, Cognitive Fatigue, and Physical Fatigue in People With Fibromyalgia?. Arthritis Care and Research, 2015, 67, 288-296.	1.5	53

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91	Macrophage polarization contributes to local inflammation and structural change in the multifidus muscle after intervertebral disc injury. European Spine Journal, 2018, 27, 1744-1756.	1.0	53
92	Reduction of pain-related behaviors with either cold or heat treatment in an animal model of acute arthritis. Archives of Physical Medicine and Rehabilitation, 1999, 80, 313-317.	0.5	52
93	Î²-caryophyllene, a dietary cannabinoid, complexed with Î²-cyclodextrin produced anti-hyperalgesic effect involving the inhibition of Fos expression in superficial dorsal horn. Life Sciences, 2016, 149, 34-41.	2.0	50
94	An Interprofessional Consensus of Core Competencies for Prelicensure Education in Pain Management: Curriculum Application for Physical Therapy. Physical Therapy, 2014, 94, 451-465.	1.1	49
95	The Current State of Physical Therapy Pain Curricula in the United States: A Faculty Survey. Journal of Pain, 2015, 16, 144-152.	0.7	47
96	Enhanced analgesic activity by cyclodextrins â€" a systematic review and meta-analysis. Expert Opinion on Drug Delivery, 2015, 12, 1677-1688.	2.4	47
97	Regular physical activity prevents development of chronic muscle pain through modulation of supraspinal opioid and serotonergic mechanisms. Pain Reports, 2017, 2, e618.	1.4	47
98	Increased c-fos immunoreactivity in the spinal cord and brain following spinal cord stimulation is frequency-dependent. Brain Research, 2009, 1259, 40-50.	1.1	46
99	Acidâ€Sensing Ion Channel 3 Deficiency Increases Inflammation but Decreases Pain Behavior in Murine Arthritis. Arthritis and Rheumatism, 2013, 65, 1194-1202.	6.7	45
100	Spinal cord stimulation reduces hypersensitivity through activation of opioid receptors in a frequencyâ€dependent manner. European Journal of Pain, 2013, 17, 551-561.	1.4	45
101	Short-duration physical activity prevents the development of activity-induced hyperalgesia through opioid and serotoninergic mechanisms. Pain, 2017, 158, 1697-1710.	2.0	45
102	TRPV1 is important for mechanical and heat sensitivity in uninjured animals and development of heat hypersensitivity after muscle inflammation. Pain, 2012, 153, 1664-1672.	2.0	44
103	Addressing the gaps: sex differences in osteoarthritis of the knee. Biology of Sex Differences, 2013, 4, 4.	1.8	44
104	Capsaicin-induced sensitization of primate spinothalamic tract cells is prevented by a protein kinase C inhibitor. Brain Research, 1997, 772, 82-86.	1.1	42
105	Changes in expression of NMDA-NR1 receptor subunits in the rostral ventromedial medulla modulate pain behaviors. Pain, 2010, 151, 155-161.	2.0	42
106	Mechanical Hyperalgesia and Reduced Quality of Life Occur in People With Mild Knee Osteoarthritis Pain. Clinical Journal of Pain, 2015, 31, 315-322.	0.8	42
107	Muscle Fatigue Increases the Probability of Developing Hyperalgesia in Mice. Journal of Pain, 2007, 8, 692-699.	0.7	41
108	Pain Mechanisms Involved in Musculoskeletal Disorders. Journal of Orthopaedic and Sports Physical Therapy, 1996, 24, 240-254.	1.7	40

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109	Resident Macrophages in Muscle Contribute to Development of Hyperalgesia in a Mouse Model of Noninflammatory Muscle Pain. Journal of Pain, 2016, 17, 1081-1094.	0.7	40
110	Enhanced muscle fatigue occurs in male but not female ASIC3â^'/â^' mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1347-R1355.	0.9	38
111	Hormonal modulation of connective tissue homeostasis and sex differences in risk for osteoarthritis of the knee. Biology of Sex Differences, 2013, 4, 3.	1.8	38
112	P2X3 and P2X2/3 Receptors Play a Crucial Role in Articular Hyperalgesia Development Through Inflammatory Mechanisms in the Knee Joint Experimental Synovitis. Molecular Neurobiology, 2017, 54, 6174-6186.	1.9	38
113	Transcutaneous Electrical Nerve Stimulation at Both High and Low Frequencies Reduces Primary Hyperalgesia in Rats With Joint Inflammation in a Time-Dependent Manner. Physical Therapy, 2007, 87, 44-51.	1.1	37
114	Blockade of Opioid Receptors in the Medullary Reticularis Nucleus Dorsalis, but not the Rostral Ventromedial Medulla, Prevents Analgesia Produced by Diffuse Noxious Inhibitory Control in Rats With Muscle Inflammation. Journal of Pain, 2011, 12, 687-697.	0.7	37
115	Increased glutamate and decreased glycine release in the rostral ventromedial medulla during induction of a pre-clinical model of chronic widespread muscle pain. Neuroscience Letters, 2009, 457, 141-145.	1.0	35
116	Effect of Transcutaneous Electrical Nerve Stimulation on Pain, Function, and Quality of Life in Fibromyalgia: A Double-Blind Randomized Clinical Trial. Physical Therapy, 2015, 95, 129-140.	1.1	35
117	Somatosensory and Biomechanical Abnormalities in Females With Patellofemoral Pain. Clinical Journal of Pain, 2016, 32, 915-919.	0.8	35
118	Mechanism of exercise-induced analgesia: what we can learn from physically active animals. Pain Reports, 2020, 5, e850.	1.4	35
119	The effect of varying frequency and intensity of transcutaneous electrical nerve stimulation on secondary mechanical hyperalgesia in an animal model of inflammation. Journal of Pain, 2001, 2, 128-133.	0.7	34
120	An Investigation of the Hypoalgesic Effects of TENS Delivered by a Glove Electrode. Journal of Pain, 2009, 10, 694-701.	0.7	33
121	Cholecystokinin receptors mediate tolerance to the analgesic effect of TENS in arthritic rats. Pain, 2010, 148, 84-93.	2.0	33
122	ASICs Mediate Pain and Inflammation in Musculoskeletal Diseases. Physiology, 2015, 30, 449-459.	1.6	33
123	Exercise prevents development of autonomic dysregulation and hyperalgesia in a mouse model of chronic muscle pain. Pain, 2016, 157, 387-398.	2.0	33
124	Physical activity is related to function and fatigue but not pain in women with fibromyalgia: baseline analyses from the Fibromyalgia Activity Study with TENS (FAST). Arthritis Research and Therapy, 2018, 20, 199.	1.6	33
125	Blockade of NMDA Receptors Prevents Analgesic Tolerance to Repeated Transcutaneous Electrical Nerve Stimulation (TENS) in Rats. Journal of Pain, 2008, 9, 217-225.	0.7	31
126	Exercise-Induced Pain Requires NMDA Receptor Activation in the Medullary Raphe Nuclei. Medicine and Science in Sports and Exercise, 2012, 44, 420-427.	0.2	31

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127	Increasing Intensity of TENS Prevents Analgesic Tolerance in Rats. Journal of Pain, 2012, 13, 884-890.	0.7	30
128	Perceived function and physical performance are associated with pain and fatigue in women with fibromyalgia. Arthritis Research and Therapy, 2016, 18, 68.	1.6	30
129	Effects of the carrier frequency of interferential current on pain modulation and central hypersensitivity in people with chronic nonspecific low back pain: A randomized placeboâ€controlled trial. European Journal of Pain, 2016, 20, 1653-1666.	1.4	30
130	The interaction between pain and movement. Journal of Hand Therapy, 2020, 33, 60-66.	0.7	30
131	Enhanced reduction in hyperalgesia by combined administration of clonidine and TENS. Pain, 2002, 100, 183-190.	2.0	29
132	Activation of Protein Kinase C in the Spinal Cord Produces Mechanical Hyperalgesia by Activating Glutamate Receptors, but does not Mediate Chronic Muscle-Induced Hyperalgesia. Molecular Pain, 2006, 2, 1744-8069-2-13.	1.0	29
133	Wireless transcutaneous electrical nerve stimulation device for chemotherapy-induced peripheral neuropathy: an open-label feasibility study. Supportive Care in Cancer, 2019, 27, 1765-1774.	1.0	29
134	A new electrochemical HPLC method for analysis of enkephalins and endomorphins. Journal of Neuroscience Methods, 2006, 150, 74-79.	1.3	28
135	Induction of chronic non-inflammatory widespread pain increases cardiac sympathetic modulation in rats. Autonomic Neuroscience: Basic and Clinical, 2012, 167, 45-49.	1.4	28
136	Neural and psychosocial contributions to sex differences in knee osteoarthritic pain. Biology of Sex Differences, 2012, 3, 26.	1.8	28
137	Testosterone protects against the development of widespread muscle pain in mice. Pain, 2020, 161, 2898-2908.	2.0	27
138	Assessment of avoidance behaviors in mouse models of muscle pain. Neuroscience, 2013, 248, 54-60.	1.1	26
139	Acid-sensing ion channel 3 decreases phosphorylation of extracellular signal-regulated kinases and induces synoviocyte cell death by increasing intracellular calcium. Arthritis Research and Therapy, 2014, 16, R121.	1.6	26
140	A novel transverse push-pull microprobe: in vitro characterization and in vivo demonstration of the enzymatic production of adenosine in the spinal cord dorsal horn. Journal of Neurochemistry, 2008, 76, 234-246.	2.1	25
141	ASICs Do Not Play a Role in Maintaining Hyperalgesia Induced by Repeated Intramuscular Acid Injections. Pain Research and Treatment, 2012, 2012, 1-9.	1.7	25
142	Effect of transcutaneous electrical stimulation on nociception and edema induced by peripheral serotonin. International Journal of Neuroscience, 2013, 123, 507-515.	0.8	25
143	A Comparison of the Effects of Burst and Tonic Spinal Cord Stimulation on Hyperalgesia and Physical Activity in an Animal Model of Neuropathic Pain. Anesthesia and Analgesia, 2016, 122, 1178-1185.	1.1	25
144	Relationships among pain intensity, pain-related distress, and psychological distress in pre-surgical total knee arthroplasty patients: a secondary analysis. Psychology, Health and Medicine, 2017, 22, 552-563.	1.3	25

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145	Predictors of multidimensional functional outcomes after total knee arthroplasty. Journal of Orthopaedic Research, 2017, 35, 2790-2798.	1.2	25
146	Revisiting the Provision of Pain Neuroscience Education: An Adjunct Intervention for Patients but a Primary Focus of Clinician Education. Journal of Orthopaedic and Sports Physical Therapy, 2021, 51, 57-59.	1.7	25
147	Mechanical contributors to sex differences in idiopathic knee osteoarthritis. Biology of Sex Differences, 2012, 3, 28.	1.8	24
148	Effects of the carrier frequency of interferential current on pain modulation in patients with chronic nonspecific low back pain: a protocol of a randomised controlled trial. BMC Musculoskeletal Disorders, 2013, 14, 195.	0.8	24
149	Differences in Waveform Characteristics Have No Effect on the Anti-Hyperalgesia Produced by Transcutaneous Electrical Nerve Stimulation (TENS) in Rats With Joint Inflammation. Journal of Pain, 2007, 8, 251-255.	0.7	23
150	Somatic symptom presentations in women with fibromyalgia are differentially associated with elevated depression and anxiety. Journal of Health Psychology, 2020, 25, 819-829.	1.3	23
151	Local Anesthetic Injection Resolves Movement Pain, Motor Dysfunction, and Pain Catastrophizing in Individuals With Chronic Achilles Tendinopathy: A Nonrandomized Clinical Trial. Journal of Orthopaedic and Sports Physical Therapy, 2020, 50, 334-343.	1.7	23
152	Systemic morphine in combination with TENS produces an increased antihyperalgesia in rats with acute inflammation. Journal of Pain, 2000, 1, 204-211.	0.7	22
153	Acetazolamide, a Carbonic Anhydrase Inhibitor, Reverses Inflammation-Induced Thermal Hyperalgesia in Rats. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 921-927.	1.3	22
154	Pressure and Activity-related Allodynia in Delayed-onset Muscle Pain. Clinical Journal of Pain, 2011, 27, 42-47.	0.8	22
155	Responses of glomus cells to hypoxia and acidosis are uncoupled, reciprocal and linked to ASIC3 expression: selectivity of chemosensory transduction. Journal of Physiology, 2013, 591, 919-932.	1.3	22
156	Effect of Intramuscular Protons, Lactate, and ATP on Muscle Hyperalgesia in Rats. PLoS ONE, 2015, 10, e0138576.	1.1	22
157	Reliability and Construct Validity of the Patient-Reported Outcomes Measurement Information System (PROMIS) Instruments in Women with Fibromyalgia. Pain Medicine, 2017, 18, pnw187.	0.9	21
158	Nanoemulsion Thermoreversible Pluronic F127-Based Hydrogel Containing Hyptis pectinata (Lamiaceae) Leaf Essential Oil Produced a Lasting Anti-hyperalgesic Effect in Chronic Noninflammatory Widespread Pain in Mice. Molecular Neurobiology, 2018, 55, 1665-1675.	1.9	21
159	Features and methods to discriminate between mechanism-based categories of pain experienced in the musculoskeletal system: a Delphi expert consensus study. Pain, 2022, 163, 1812-1828.	2.0	21
160	Co-localization of p-CREB and p-NR1 in spinothalamic neurons in a chronic muscle pain model. Neuroscience Letters, 2007, 418, 22-27.	1.0	20
161	IL-5 mediates monocyte phenotype and pain outcomes in fibromyalgia. Pain, 2021, 162, 1468-1482.	2.0	20
162	Acid Sensing Ion Channel 1a (ASIC1a) Mediates Activity-induced Pain by Modulation of Heteromeric ASIC Channel Kinetics. Neuroscience, 2018, 386, 166-174.	1.1	19

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163	Kinesiophobia Severity Categories and Clinically Meaningful Symptom Change in Persons With Achilles Tendinopathy in a Cross-Sectional Study: Implications for Assessment and Willingness to Exercise. Frontiers in Pain Research, 2021, 2, 739051.	0.9	18
164	Anatomical and Physiological Factors Contributing to Chronic Muscle Pain. Current Topics in Behavioral Neurosciences, 2014, 20, 327-348.	0.8	17
165	P2X4 Receptors on Muscle Macrophages Are Required for Development of Hyperalgesia in an Animal Model of Activity-Induced Muscle Pain. Molecular Neurobiology, 2020, 57, 1917-1929.	1.9	17
166	Models of Muscle Pain: Carrageenan Model and Acidic Saline Model. Current Protocols in Pharmacology, 2004, 25, Unit 5.35.	4.0	16
167	HI-TENS Reduces Moderate-to-Severe Pain Associated With Most Wound Care Procedures. Biological Research for Nursing, 2014, 16, 310-319.	1.0	15
168	Spinal Cord Stimulation Reduces Mechanical Hyperalgesia and Restores Physical Activity Levels in Animals with Noninflammatory Muscle Pain in a Frequency-Dependent Manner. Anesthesia and Analgesia, 2014, 119, 186-195.	1.1	15
169	Reduction in movement-evoked pain and fatigue during initial 30-minute transcutaneous electrical nerve stimulation treatment predicts transcutaneous electrical nerve stimulation responders in women with fibromyalgia. Pain, 2021, 162, 1545-1555.	2.0	15
170	Is it possible to develop an animal model of fibromyalgia?. Pain, 2009, 146, 3-4.	2.0	14
171	Spinal cord stimulation (scs) improves decreased physical activity induced by nerve injury.. Behavioral Neuroscience, 2014, 128, 625-632.	0.6	14
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