

Thomas Graven-Nielsen

List of Publications by Year in descending order

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Version: 2024-02-01

360
papers

18,120
citations

10986

71
h-index

20358

116
g-index

367
all docs

367
docs citations

367
times ranked

8867
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitization in patients with painful knee osteoarthritis. <i>Pain</i> , 2010, 149, 573-581.	4.2	785
2	Assessment of mechanisms in localized and widespread musculoskeletal pain. <i>Nature Reviews Rheumatology</i> , 2010, 6, 599-606.	8.0	413
3	The influence of low back pain on muscle activity and coordination during gait: a clinical and experimental study. <i>Pain</i> , 1996, 64, 231-240.	4.2	347
4	Ketamine reduces muscle pain, temporal summation, and referred pain in fibromyalgia patients. <i>Pain</i> , 2000, 85, 483-491.	4.2	346
5	Inhibition of motor system excitability at cortical and spinal level by tonic muscle pain. <i>Clinical Neurophysiology</i> , 2001, 112, 1633-1641.	1.5	330
6	Normalization of widespread hyperesthesia and facilitated spatial summation of deep tissue pain in knee osteoarthritis patients after knee replacement. <i>Arthritis and Rheumatism</i> , 2012, 64, 2907-2916.	6.7	279
7	Osteoarthritis and its association with muscle hyperalgesia: an experimental controlled study. <i>Pain</i> , 2001, 93, 107-114.	4.2	278
8	Effects of experimental muscle pain on muscle activity and co-ordination during static and dynamic motor function. <i>Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control</i> , 1997, 105, 156-164.	1.4	277
9	Generalised muscular hyperalgesia in chronic whiplash syndrome. <i>Pain</i> , 1999, 83, 229-234.	4.2	269
10	Generalized deep-tissue hyperalgesia in patients with chronic low-back pain. <i>European Journal of Pain</i> , 2007, 11, 415-420.	2.8	252
11	Exercise-Induced Hypoalgesia in Pain-Free and Chronic Pain Populations: State of the Art and Future Directions. <i>Journal of Pain</i> , 2019, 20, 1249-1266.	1.4	238
12	The Peripheral Apparatus of Muscle Pain: Evidence From Animal and Human Studies. <i>Clinical Journal of Pain</i> , 2001, 17, 2-10.	1.9	227
13	Activation of Peripheral NMDA Receptors Contributes to Human Pain and Rat Afferent Discharges Evoked by Injection of Glutamate into the Masseter Muscle. <i>Journal of Neurophysiology</i> , 2003, 90, 2098-2105.	1.8	206
14	Inhibition of maximal voluntary contraction force by experimental muscle pain: A centrally mediated mechanism. <i>Muscle and Nerve</i> , 2002, 26, 708-712.	2.2	199
15	Quantification of local and referred muscle pain in humans after sequential i.m. injections of hypertonic saline. <i>Pain</i> , 1997, 69, 111-117.	4.2	183
16	Hyperexcitability in fibromyalgia. <i>Journal of Rheumatology</i> , 1998, 25, 152-5.	2.0	182
17	Fundamentals of muscle pain, referred pain, and deep tissue hyperalgesia. <i>Scandinavian Journal of Rheumatology</i> , 2006, 35, 1-43.	1.1	176
18	Central sensitization in fibromyalgia and other musculoskeletal disorders. <i>Current Pain and Headache Reports</i> , 2003, 7, 355-361.	2.9	173

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19	Effect of Experimental Muscle Pain on Motor Unit Firing Rate and Conduction Velocity. <i>Journal of Neurophysiology</i> , 2004, 91, 1250-1259.	1.8	172
20	Similarities between exercise-induced hypoalgesia and conditioned pain modulation in humans. <i>Pain</i> , 2014, 155, 158-167.	4.2	170
21	Glutamate-evoked pain and mechanical allodynia in the human masseter muscle. <i>Pain</i> , 2003, 101, 221-227.	4.2	168
22	Incidence and epidemiology of tibial shaft fractures. <i>Injury</i> , 2015, 46, 746-750.	1.7	161
23	Peripheral and central sensitization in musculoskeletal pain disorders: An experimental approach. <i>Current Rheumatology Reports</i> , 2002, 4, 313-321.	4.7	157
24	Craniofacial muscle pain: review of mechanisms and clinical manifestations. <i>Journal of Orofacial Pain</i> , 2001, 15, 117-45.	1.7	157
25	Temporal Summation of Pain Evoked by Mechanical Stimulation in Deep and Superficial Tissue. <i>Journal of Pain</i> , 2005, 6, 348-355.	1.4	144
26	Assessment of musculoskeletal pain sensitivity and temporal summation by cuff pressure algometry. <i>Pain</i> , 2015, 156, 2193-2202.	4.2	139
27	Standardising surface electromyogram recordings for assessment of activity and fatigue in the human upper trapezius muscle. <i>European Journal of Applied Physiology</i> , 2002, 86, 469-478.	2.5	136
28	Gait changes in patients with knee osteoarthritis are replicated by experimental knee pain. <i>Arthritis Care and Research</i> , 2010, 62, 501-509.	3.4	134
29	In vivo model of muscle pain: Quantification of intramuscular chemical, electrical, and pressure changes associated with saline-induced muscle pain in humans. <i>Pain</i> , 1997, 69, 137-143.	4.2	132
30	Preoperative pain mechanisms assessed by cuff algometry are associated with chronic postoperative pain relief after total knee replacement. <i>Pain</i> , 2016, 157, 1400-1406.	4.2	132
31	Experimental Muscle Pain: A Quantitative Study of Local and Referred Pain in Humans Following Injection of Hypertonic Saline. <i>Journal of Musculoskeletal Pain</i> , 1997, 5, 49-69.	0.3	131
32	Contribution of the local and referred pain from active myofascial trigger points in fibromyalgia syndrome. <i>Pain</i> , 2009, 147, 233-240.	4.2	130
33	Assessment of single motor unit conduction velocity during sustained contractions of the tibialis anterior muscle with advanced spike triggered averaging. <i>Journal of Neuroscience Methods</i> , 2002, 115, 1-12.	2.5	126
34	Experimental muscle pain results in reorganization of coordination among trapezius muscle subdivisions during repetitive shoulder flexion. <i>Experimental Brain Research</i> , 2007, 178, 385-393.	1.5	126
35	Inhibition of motor unit firing during experimental muscle pain in humans. <i>Muscle and Nerve</i> , 2000, 23, 1219-1226.	2.2	125
36	Painful and non-painful pressure sensations from human skeletal muscle. <i>Experimental Brain Research</i> , 2004, 159, 273-283.	1.5	124

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37	Widespread sensitization in patients with chronic pain after revision total knee arthroplasty. <i>Pain</i> , 2013, 154, 1588-1594.	4.2	121
38	Experimental Knee Pain Reduces Muscle Strength. <i>Journal of Pain</i> , 2011, 12, 460-467.	1.4	120
39	Motor Unit Recruitment Strategies Are Altered during Deep-Tissue Pain. <i>Journal of Neuroscience</i> , 2009, 29, 10820-10826.	3.6	119
40	Translational musculoskeletal pain research. <i>Best Practice and Research in Clinical Rheumatology</i> , 2011, 25, 209-226.	3.3	118
41	Muscle pain induces task-dependent changes in cervical agonist/antagonist activity. <i>Journal of Applied Physiology</i> , 2007, 102, 601-609.	2.5	116
42	Basic aspects of musculoskeletal pain: from acute to chronic pain. <i>Journal of Manual and Manipulative Therapy</i> , 2011, 19, 186-193.	1.2	115
43	Experimental human muscle pain and muscular hyperalgesia induced by combinations of serotonin and bradykinin. <i>Pain</i> , 1999, 82, 1-8.	4.2	114
44	Stimulus-response functions in areas with experimentally induced referred muscle pain – a psychophysical study. <i>Brain Research</i> , 1997, 744, 121-128.	2.2	113
45	Experimentally induced muscle pain induces hypoalgesia in heterotopic deep tissues, but not in homotopic deep tissues. <i>Brain Research</i> , 1998, 787, 203-210.	2.2	112
46	Mechanical hyperesthesia of human facial skin induced by tonic painful stimulation of jaw muscles. <i>Pain</i> , 1998, 74, 93-100.	4.2	111
47	Sensory and motor effects of experimental muscle pain in patients with lateral epicondylalgia and controls with delayed onset muscle soreness. <i>Pain</i> , 2005, 114, 118-130.	4.2	111
48	A mechanism-based pain sensitivity index to characterize knee osteoarthritis patients with different disease stages and pain levels. <i>European Journal of Pain</i> , 2015, 19, 1406-1417.	2.8	109
49	Muscle Pain: Sensory Implications and Interaction With Motor Control. <i>Clinical Journal of Pain</i> , 2008, 24, 291-298.	1.9	103
50	Increased pain from muscle fascia following eccentric exercise: animal and human findings. <i>Experimental Brain Research</i> , 2009, 194, 299-308.	1.5	97
51	Preoperative Neuropathic Pain-like Symptoms and Central Pain Mechanisms in Knee Osteoarthritis Predicts Poor Outcome 6 Months After Total Knee Replacement Surgery. <i>Journal of Pain</i> , 2018, 19, 1329-1341.	1.4	96
52	Experimental deep tissue pain in wrist extensors-a model of lateral epicondylalgia. <i>European Journal of Pain</i> , 2003, 7, 277-288.	2.8	95
53	Motor Cortex Reorganization and Impaired Function in the Transition to Sustained Muscle Pain. <i>Cerebral Cortex</i> , 2016, 26, 1878-1890.	2.9	95
54	Experimental jaw-muscle pain does not change heteronymous H-reflexes in the human temporalis muscle. <i>Experimental Brain Research</i> , 1998, 121, 311-318.	1.5	93

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55	Facilitated temporal summation of pain correlates with clinical pain intensity after hip arthroplasty. <i>Pain</i> , 2017, 158, 323-332.	4.2	93
56	Pain modulatory phenotypes differentiate subgroups with different clinical and experimental pain sensitivity. <i>Pain</i> , 2016, 157, 1480-1488.	4.2	92
57	Hypoalgesia After Exercise and the Cold Pressor Test is Reduced in Chronic Musculoskeletal Pain Patients With High Pain Sensitivity. <i>Clinical Journal of Pain</i> , 2016, 32, 58-69.	1.9	91
58	Association of Exercise Therapy and Reduction of Pain Sensitivity in Patients With Knee Osteoarthritis: A Randomized Controlled Trial. <i>Arthritis Care and Research</i> , 2014, 66, 1836-1843.	3.4	90
59	Increased joint loads during walking – A consequence of pain relief in knee osteoarthritis. <i>Knee</i> , 2006, 13, 445-450.	1.6	87
60	Computer-controlled pneumatic pressure algometry-a new technique for quantitative sensory testing. <i>European Journal of Pain</i> , 2001, 5, 267-277.	2.8	86
61	The Predetermined Sites of Examination for Tender Points in Fibromyalgia Syndrome Are Frequently Associated With Myofascial Trigger Points. <i>Journal of Pain</i> , 2010, 11, 644-651.	1.4	86
62	Acidic buffer induced muscle pain evokes referred pain and mechanical hyperalgesia in humans. <i>Pain</i> , 2008, 140, 254-264.	4.2	85
63	Experimental quadriceps muscle pain impairs knee joint control during walking. <i>Journal of Applied Physiology</i> , 2007, 103, 132-139.	2.5	83
64	Latent Myofascial Trigger Points are Associated With an Increased Antagonistic Muscle Activity During Agonist Muscle Contraction. <i>Journal of Pain</i> , 2011, 12, 1282-1288.	1.4	82
65	Temporal summation in muscles and referred pain areas: An experimental human study. , 1997, 20, 1311-1313.		78
66	Surface EMG Crosstalk Evaluated from Experimental Recordings and Simulated Signals. <i>Methods of Information in Medicine</i> , 2004, 43, 30-35.	1.2	78
67	Patterns of Experimentally Induced Pain in Pericranial Muscles. <i>Cephalalgia</i> , 2006, 26, 568-577.	3.9	78
68	The influence of muscle pain and fatigue on the activity of synergistic muscles of the leg. <i>European Journal of Applied Physiology</i> , 2004, 91, 604-614.	2.5	77
69	Isometric exercises reduce temporal summation of pressure pain in humans. <i>European Journal of Pain</i> , 2015, 19, 973-983.	2.8	77
70	Referred pain and hyperalgesia in human tendon and muscle belly tissue. <i>Pain</i> , 2006, 120, 113-123.	4.2	76
71	Experimental human muscle pain induced by intramuscular injections of bradykinin, serotonin, and substance P. <i>European Journal of Pain</i> , 1999, 3, 93-102.	2.8	75
72	Association Between Experimental Pain Biomarkers and Serologic Markers in Patients With Different Degrees of Painful Knee Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2014, 66, 3317-3326.	5.6	75

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73	Experimental muscle pain changes motor control strategies in dynamic contractions. <i>Experimental Brain Research</i> , 2005, 164, 215-224.	1.5	74
74	Spatial and temporal aspects of muscle hyperalgesia induced by nerve growth factor in humans. <i>Experimental Brain Research</i> , 2008, 191, 371-382.	1.5	74
75	Spatial and temporal aspects of deep tissue pain assessed by cuff algometry. <i>Pain</i> , 2002, 100, 19-26.	4.2	72
76	Increased muscle pain sensitivity in patients with tension-type headache. <i>Pain</i> , 2007, 129, 113-121.	4.2	72
77	Conditioned Pain Modulation and Pressure Pain Sensitivity in the Adult Danish General Population: The DanFunD Study. <i>Journal of Pain</i> , 2017, 18, 274-284.	1.4	72
78	Preoperative Hypoalgesia After Cold Pressor Test and Aerobic Exercise is Associated With Pain Relief 6 Months After Total Knee Replacement. <i>Clinical Journal of Pain</i> , 2017, 33, 475-484.	1.9	71
79	Latent Myofascial Trigger Points Are Associated With an Increased Intramuscular Electromyographic Activity During Synergistic Muscle Activation. <i>Journal of Pain</i> , 2014, 15, 181-187.	1.4	70
80	Induction and assessment of muscle pain, referred pain, and muscular hyperalgesia. <i>Current Pain and Headache Reports</i> , 2003, 7, 443-451.	2.9	69
81	Spatial and temporal summation of pain evoked by mechanical pressure stimulation. <i>European Journal of Pain</i> , 2009, 13, 592-599.	2.8	68
82	Low pressure pain thresholds are associated with, but does not predispose for, low back pain. <i>European Spine Journal</i> , 2011, 20, 2120-2125.	2.2	68
83	Experimental muscle pain does not cause long-lasting increases in resting electromyographic activity. <i>Pain</i> , 1998, 21, 1382-1389.		66
84	Experimental muscle pain reduces initial motor unit discharge rates during sustained submaximal contractions. <i>Journal of Applied Physiology</i> , 2005, 98, 999-1005.	2.5	66
85	Trigger Points in Patients with Lower Limb Osteoarthritis. <i>Journal of Musculoskeletal Pain</i> , 2001, 9, 17-33.	0.3	65
86	Experimental pain by ischaemic contractions compared with pain by intramuscular infusions of adenosine and hypertonic saline. <i>European Journal of Pain</i> , 2003, 7, 93-102.	2.8	65
87	Computerized cuff pressure algometry: A new method to assess deep-tissue hypersensitivity in fibromyalgia. <i>Pain</i> , 2007, 131, 57-62.	4.2	65
88	Repeated intramuscular injections of nerve growth factor induced progressive muscle hyperalgesia, facilitated temporal summation, and expanded pain areas. <i>Pain</i> , 2013, 154, 2344-2352.	4.2	65
89	Experimental muscle pain decreases voluntary EMG activity but does not affect the muscle potential evoked by transcutaneous electrical stimulation. <i>Clinical Neurophysiology</i> , 2005, 116, 1558-1565.	1.5	64
90	Association Between a Composite Score of Pain Sensitivity and Clinical Parameters in Low-back Pain. <i>Clinical Journal of Pain</i> , 2014, 30, 831-838.	1.9	63

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91	Psychophysical and EEG responses to repeated experimental muscle pain in humans: Pain intensity encodes EEG activity. <i>Brain Research Bulletin</i> , 2003, 59, 533-543.	3.0	62
92	Impact of clinical and experimental pain on muscle strength and activity. <i>Current Rheumatology Reports</i> , 2008, 10, 475-481.	4.7	62
93	User-independent assessment of conditioning pain modulation by cuff pressure algometry. <i>European Journal of Pain</i> , 2017, 21, 552-561.	2.8	62
94	Facilitation of pain sensitization in knee osteoarthritis and persistent postoperative pain: A cross-sectional study. <i>European Journal of Pain</i> , 2014, 18, 1024-1031.	2.8	61
95	Alterations in pronociceptive and antinociceptive mechanisms in patients with low back pain: a systematic review with meta-analysis. <i>Pain</i> , 2020, 161, 464-475.	4.2	61
96	Enhanced temporal summation of pressure pain in the trapezius muscle after delayed onset muscle soreness. <i>Experimental Brain Research</i> , 2006, 170, 182-190.	1.5	60
97	Selectivity of spatial filters for surface EMG detection from the tibialis anterior muscle. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 354-364.	4.2	59
98	Pressure-induced muscle pain and tissue biomechanics: A computational and experimental study. <i>European Journal of Pain</i> , 2011, 15, 36-44.	2.8	59
99	Current Pain and Fear of Pain Contribute to Reduced Maximum Voluntary Contraction of Neck Muscles in Patients With Chronic Neck Pain. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012, 93, 2042-2048.	0.9	59
100	Assessment of Pressure-Pain Thresholds and Central Sensitization of Pain in Lateral Epicondylalgia. <i>Pain Medicine</i> , 2013, 14, 297-304.	1.9	59
101	Changes in Motor Unit Firing Rate in Synergist Muscles Cannot Explain the Maintenance of Force During Constant Force Painful Contractions. <i>Journal of Pain</i> , 2008, 9, 1169-1174.	1.4	57
102	Electromyographic mapping of the erector spinae muscle with varying load and during sustained contraction. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 373-379.	1.7	57
103	Patellofemoral Pain in Adolescence and Adulthood: Same Same, but Different?. <i>Sports Medicine</i> , 2015, 45, 1489-1495.	6.5	57
104	The effect of compression and regional anaesthetic block on referred pain intensity in humans. <i>Pain</i> , 1999, 80, 257-263.	4.2	56
105	The influence of experimental muscle pain on motor unit activity during low-level contraction. <i>European Journal of Applied Physiology</i> , 2000, 83, 200-206.	2.5	56
106	Pressure-pain function in desensitized and hypersensitized muscle and skin assessed by cuff algometry. <i>Journal of Pain</i> , 2002, 3, 28-37.	1.4	56
107	Pressure pain sensitivity and hardness along human normal and sensitized muscle. <i>Somatosensory & Motor Research</i> , 2006, 23, 97-109.	0.9	56
108	Delayed onset muscle soreness at tendon-bone junction and muscle tissue is associated with facilitated referred pain. <i>Experimental Brain Research</i> , 2006, 174, 351-360.	1.5	56

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109	Different EEG topographic effects of painful and non-painful intramuscular stimulation in man. <i>Experimental Brain Research</i> , 2001, 141, 195-203.	1.5	55
110	The effect of differential and complete nerve block on experimental muscle pain in humans. <i>Muscle and Nerve</i> , 1999, 22, 1564-1570.	2.2	54
111	Aerobic Exercise and Cold Pressor Test Induce Hypoalgesia in Active and Inactive Men and Women. <i>Pain Medicine</i> , 2015, 16, 923-933.	1.9	53
112	<p>Chronic widespread pain patients show disrupted cortical connectivity in default mode and salience networks, modulated by pain sensitivity</p>. <i>Journal of Pain Research</i> , 2019, Volume 12, 1743-1755.	2.0	52
113	Modulation of stretch-evoked reflexes in single motor units in human masseter muscle by experimental pain. <i>Experimental Brain Research</i> , 2000, 132, 65-71.	1.5	51
114	Effect of temperature on spike-triggered average torque and electrophysiological properties of low-threshold motor units. <i>Journal of Applied Physiology</i> , 2005, 99, 197-203.	2.5	51
115	Quantification of local and referred pain in humans induced by intramuscular electrical stimulation. <i>European Journal of Pain</i> , 1997, 1, 105-113.	2.8	50
116	Thermosensitivity of muscle: high-intensity thermal stimulation of muscle tissue induces muscle pain in humans. <i>Journal of Physiology</i> , 2002, 540, 647-656.	2.9	50
117	The effect of muscle pain on elbow flexion and coactivation tasks. <i>Experimental Brain Research</i> , 2004, 156, 174-182.	1.5	50
118	Widespread pain hypersensitivity and facilitated temporal summation of deep tissue pain in whiplash associated disorder: An explorative study of women. <i>Journal of Rehabilitation Medicine</i> , 2012, 44, 648-657.	1.1	50
119	Temporal summation of pressure pain during muscle hyperalgesia evoked by nerve growth factor and eccentric contractions. <i>European Journal of Pain</i> , 2009, 13, 704-710.	2.8	48
120	Referred pain is dependent on sensory input from the periphery: A psychophysical study. <i>European Journal of Pain</i> , 1997, 1, 261-269.	2.8	47
121	Impaired Conditioned Pain Modulation in Young Female Adults with Long-Standing Patellofemoral Pain: A Single Blinded Cross-Sectional Study. <i>Pain Medicine</i> , 2016, 17, pnv017.	1.9	47
122	Pharmacological modulation of experimental phasic and tonic muscle pain by morphine, alfentanil and ketamine in healthy volunteers. <i>Acta Anaesthesiologica Scandinavica</i> , 2003, 47, 1020-1030.	1.6	46
123	Interaction between cutaneous and muscle afferent activity in polysynaptic reflex pathways: a human experimental study. <i>Pain</i> , 2000, 84, 29-36.	4.2	45
124	Duration and distribution of experimental muscle hyperalgesia in humans following combined infusions of serotonin and bradykinin. <i>Brain Research</i> , 2000, 853, 275-281.	2.2	44
125	The Responses to Pharmacological Challenges and Experimental Pain in Patients With Chronic Whiplash-Associated Pain. <i>Clinical Journal of Pain</i> , 2005, 21, 412-421.	1.9	44
126	Descending pain modulation and its interaction with peripheral sensitization following sustained isometric muscle contraction in fibromyalgia. <i>European Journal of Pain</i> , 2012, 16, 196-203.	2.8	44

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127	Experimental muscle pain modulates muscle activity and work performance differently during high and low precision use of a computer mouse. <i>European Journal of Applied Physiology</i> , 2000, 83, 492-498.	2.5	41
128	Effect of load level and muscle pain intensity on the motor control of elbow-flexion movements. <i>European Journal of Applied Physiology</i> , 2004, 92, 168-175.	2.5	41
129	Effects of experimental muscle pain on mechanical properties of single motor units in human masseter. <i>Clinical Neurophysiology</i> , 2004, 115, 76-84.	1.5	41
130	Experimental calf muscle pain attenuates the postural stability during quiet stance and perturbation. <i>Clinical Biomechanics</i> , 2010, 25, 931-937.	1.2	41
131	Differences in Pain Processing Between Patients with Chronic Low Back Pain, Recurrent Low Back Pain, and Fibromyalgia. <i>Pain Physician</i> , 2017, 20, 307-318.	0.4	41
132	Temporal summation of pain from skin, muscle and joint following nociceptive ultrasonic stimulation in humans. <i>Experimental Brain Research</i> , 2002, 144, 475-482.	1.5	40
133	Experimental muscle pain increases trapezius muscle activity during sustained isometric contractions of arm muscles. <i>Clinical Neurophysiology</i> , 2004, 115, 1767-1778.	1.5	40
134	Local Pain and Spreading Hyperalgesia Induced by Intramuscular Injection of Nerve Growth Factor Are Not Reduced by Local Anesthesia of the Muscle. <i>Clinical Journal of Pain</i> , 2011, 27, 240-247.	1.9	40
135	Left dorsolateral prefrontal cortex repetitive transcranial magnetic stimulation reduces the development of long-term muscle pain. <i>Pain</i> , 2018, 159, 2486-2492.	4.2	40
136	Quantification of deep and superficial sensibility in saline-induced muscle pain-a psychophysical study. <i>Somatosensory & Motor Research</i> , 1998, 15, 46-53.	0.9	39
137	Test-Retest Reliability of Exercise-Induced Hypoalgesia After Aerobic Exercise. <i>Pain Medicine</i> , 2018, 19, 2212-2222.	1.9	39
138	Isometric exercise and pain in patellar tendinopathy: A randomized crossover trial. <i>Journal of Science and Medicine in Sport</i> , 2020, 23, 208-214.	1.3	39
139	Comparative EEG activation to skin pain and muscle pain induced by capsaicin injection. <i>International Journal of Psychophysiology</i> , 2004, 51, 117-126.	1.0	38
140	Sensitization and Serological Biomarkers in Knee Osteoarthritis Patients With Different Degrees of Synovitis. <i>Clinical Journal of Pain</i> , 2016, 32, 841-848.	1.9	38
141	Opioid-insensitive hypoalgesia to mechanical stimuli at sites ipsilateral and contralateral to experimental muscle pain in human volunteers. <i>Experimental Brain Research</i> , 2002, 146, 213-222.	1.5	37
142	Experimental pelvic pain facilitates pain provocation tests and causes regional hyperalgesia. <i>Pain</i> , 2012, 153, 2233-2240.	4.2	37
143	Experimental knee pain impairs postural stability during quiet stance but not after perturbations. <i>European Journal of Applied Physiology</i> , 2012, 112, 2511-2521.	2.5	37
144	Exercise-Induced Hypoalgesia After Isometric Wall Squat Exercise: A Test-Retest Reliability Study. <i>Pain Medicine</i> , 2019, 20, 129-137.	1.9	37

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145	Pain-Induced Reduction in Corticomotor Excitability Is Counteracted by Combined Action-Observation and Motor Imagery. <i>Journal of Pain</i> , 2019, 20, 1307-1316.	1.4	37
146	The pain-induced decrease in low-threshold motor unit discharge rate is not associated with the amount of increase in spike-triggered average torque. <i>Clinical Neurophysiology</i> , 2008, 119, 43-51.	1.5	36
147	Increased H-Reflex Response Induced by Intramuscular Electrical Stimulation of Latent Myofascial Trigger Points. <i>Acupuncture in Medicine</i> , 2009, 27, 150-154.	1.0	36
148	Reproduction of overall spontaneous pain pattern by manual stimulation of active myofascial trigger points in fibromyalgia patients. <i>Arthritis Research and Therapy</i> , 2011, 13, R48.	3.5	36
149	Effects of Adipose Thickness and Muscle Hardness on Pressure Pain Sensitivity. <i>Clinical Journal of Pain</i> , 2011, 27, 735-745.	1.9	36
150	Age Interactions on Pain Sensitization in Patients With Severe Knee Osteoarthritis and Controls. <i>Clinical Journal of Pain</i> , 2017, 33, 1081-1087.	1.9	36
151	Activity Modification and Load Management of Adolescents With Patellofemoral Pain: A Prospective Intervention Study Including 151 Adolescents. <i>American Journal of Sports Medicine</i> , 2019, 47, 1629-1637.	4.2	36
152	Relating clinical measures of pain with experimentally assessed pain mechanisms in patients with knee osteoarthritis. <i>Scandinavian Journal of Pain</i> , 2013, 4, 111-117.	1.3	35
153	Exercise increases pressure pain tolerance but not pressure and heat pain thresholds in healthy young men. <i>European Journal of Pain</i> , 2017, 21, 73-81.	2.8	35
154	A simple test of muscle coactivation estimation using electromyography. <i>Brazilian Journal of Medical and Biological Research</i> , 2012, 45, 977-981.	1.5	34
155	Pressure-induced referred pain is expanded by persistent soreness. <i>Pain</i> , 2016, 157, 1164-1172.	4.2	34
156	Assessment of conditioned pain modulation in healthy participants and patients with chronic pain: manifestations and implications for pain progression. <i>Current Opinion in Supportive and Palliative Care</i> , 2019, 13, 99-106.	1.3	34
157	Experimental Muscle Pain Challenges the Postural Stability During Quiet Stance and Unexpected Posture Perturbation. <i>Journal of Pain</i> , 2011, 12, 911-919.	1.4	33
158	Movement Evoked Pain and Mechanical Hyperalgesia after Intramuscular Injection of Nerve Growth Factor: A Model of Sustained Elbow Pain. <i>Pain Medicine</i> , 2015, 16, 2180-2191.	1.9	33
159	Pain referral and regional deep tissue hyperalgesia in experimental human hip pain models. <i>Pain</i> , 2014, 155, 792-800.	4.2	32
160	Young females with long-standing patellofemoral pain display impaired conditioned pain modulation, increased temporal summation of pain, and widespread hyperalgesia. <i>Pain</i> , 2018, 159, 2530-2537.	4.2	32
161	Effects of a manual therapy technique in experimental lateral epicondylalgia. <i>Manual Therapy</i> , 2006, 11, 107-117.	1.6	31
162	Two-dimensional spatial distribution of surface mechanomyographical response to single motor unit activity. <i>Journal of Neuroscience Methods</i> , 2007, 159, 19-25.	2.5	31

#	ARTICLE	IF	CITATIONS
163	Experimental muscle pain increases normalized variability of multidirectional forces during isometric contractions. <i>European Journal of Applied Physiology</i> , 2012, 112, 3607-3617.	2.5	31
164	Pain, Sports Participation, and Physical Function in Adolescents With Patellofemoral Pain and Osgood-Schlatter Disease: A Matched Cross-sectional Study. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2020, 50, 149-157.	3.5	31
165	Restrictions in Quality of Life After Intramedullary Nailing of Tibial Shaft Fracture. <i>Journal of Orthopaedic Trauma</i> , 2014, 28, 507-512.	1.4	30
166	Increased Pain Sensitivity in Accident-related Chronic Pain Patients With Comorbid Posttraumatic Stress. <i>Clinical Journal of Pain</i> , 2018, 34, 313-321.	1.9	30
167	High frequency repetitive transcranial magnetic stimulation to the left dorsolateral prefrontal cortex modulates sensorimotor cortex function in the transition to sustained muscle pain. <i>NeuroImage</i> , 2019, 186, 93-102.	4.2	30
168	Kinesiophobia is associated with pain intensity but not pain sensitivity before and after exercise: an explorative analysis. <i>Physiotherapy</i> , 2018, 104, 187-193.	0.4	29
169	Activation of the descending pain modulatory system using cuff pressure algometry: Back translation from man to rat. <i>European Journal of Pain</i> , 2020, 24, 1330-1338.	2.8	29
170	Muscle hyperalgesia in postexercise muscle soreness assessed by single and repetitive ultrasound stimuli. <i>Journal of Pain</i> , 2000, 1, 111-121.	1.4	28
171	Topographic effects of tonic cutaneous nociceptive stimulation on human electroencephalograph. <i>Neuroscience Letters</i> , 2001, 305, 49-52.	2.1	28
172	Challenges and opportunities in translational pain research – An opinion paper of the working group on translational pain research of the European pain federation (EFIC). <i>European Journal of Pain</i> , 2021, 25, 731-756.	2.8	28
173	Altered Visual and Feet Proprioceptive Feedbacks during Quiet Standing Increase Postural Sway in Patients with Severe Knee Osteoarthritis. <i>PLoS ONE</i> , 2013, 8, e71253.	2.5	28
174	Non-painful and painful surface and intramuscular electrical stimulation at the thenar and hypothenar sites: differential cerebral dynamics of early to late latency SEPs. <i>Brain Topography</i> , 2001, 13, 283-292.	1.8	27
175	Modality-specific facilitation and adaptation to painful tonic stimulation in humans. <i>European Journal of Pain</i> , 2002, 6, 475-484.	2.8	27
176	Experimental Pelvic Pain Impairs the Performance During the Active Straight Leg Raise Test and Causes Excessive Muscle Stabilization. <i>Clinical Journal of Pain</i> , 2015, 31, 642-651.	1.9	27
177	Facilitated Pronociceptive Pain Mechanisms in Radiating Back Pain Compared With Localized Back Pain. <i>Journal of Pain</i> , 2017, 18, 973-983.	1.4	27
178	Surface EMG crosstalk evaluated from experimental recordings and simulated signals. Reflections on crosstalk interpretation, quantification and reduction. <i>Methods of Information in Medicine</i> , 2004, 43, 30-5.	1.2	27
179	Modulation of an inhibitory reflex in single motor units in human masseter by tonic painful stimulation. <i>Pain</i> , 1999, 83, 441-446.	4.2	26
180	Glutamate and capsaicin-induced pain, hyperalgesia and modulatory interactions in human tendon tissue. <i>Experimental Brain Research</i> , 2009, 194, 173-182.	1.5	26

#	ARTICLE	IF	CITATIONS
181	Experimental muscle hyperalgesia modulates sensorimotor cortical excitability, which is partially altered by unaccustomed exercise. <i>Pain</i> , 2018, 159, 2493-2502.	4.2	26
182	An investigation of how acute muscle pain modulates performance during computer work with digitizer and puck. <i>Applied Ergonomics</i> , 2001, 32, 281-286.	3.1	25
183	Muscle temperature has a different effect on force fluctuations in young and older women. <i>Clinical Neurophysiology</i> , 2007, 118, 762-769.	1.5	25
184	Deformation and pressure propagation in deep tissue during mechanical painful pressure stimulation. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 113-122.	2.8	25
185	Distinct patterns of variation in the distribution of knee pain. <i>Scientific Reports</i> , 2018, 8, 16522.	3.3	25
186	Recurrent low back pain patients demonstrate facilitated pronociceptive mechanisms when in pain, and impaired antinociceptive mechanisms with and without pain. <i>Pain</i> , 2019, 160, 2866-2876.	4.2	25
187	Managing chronic whiplash associated pain with a combination of low-dose opioid (remifentanyl) and NMDA-antagonist (ketamine). <i>European Journal of Pain</i> , 2007, 11, 719-732.	2.8	24
188	Ultrasound guided, painful electrical stimulation of lumbar facet joint structures: An experimental model of acute low back pain. <i>Pain</i> , 2009, 144, 76-83.	4.2	24
189	Pain evoked by pressure stimulation on the tibia bone – influence of probe diameter on tissue stress and strain. <i>European Journal of Pain</i> , 2012, 16, 534-542.	2.8	24
190	Lumbar epidural fentanyl: segmental spread and effect on temporal summation and muscle pain. <i>British Journal of Anaesthesia</i> , 2003, 90, 467-473.	3.4	23
191	Motor responses to experimental Achilles tendon pain. <i>British Journal of Sports Medicine</i> , 2011, 45, 393-398.	6.7	23
192	The effects of experimental knee pain on lower limb corticospinal and motor cortex excitability. <i>Arthritis Research and Therapy</i> , 2015, 17, 204.	3.5	23
193	Individualized Augmented Reality Training Reduces Phantom Pain and Cortical Reorganization in Amputees: A Proof of Concept Study. <i>Journal of Pain</i> , 2020, 21, 1257-1269.	1.4	23
194	Activity Modification and Knee Strengthening for Osgood-Schlatter Disease: A Prospective Cohort Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712091110.	1.7	23
195	Post-exercise muscle soreness after eccentric exercise: psychophysical effects and implications on mean arterial pressure. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2001, 11, 266-273.	2.9	22
196	MR-guided focused ultrasound for the novel and innovative management of osteoarthritic knee pain. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 267.	1.9	22
197	Single-Point but Not Tonic Cuff Pressure Pain Sensitivity Is Associated with Level of Physical Fitness – A Study of Non-Athletic Healthy Subjects. <i>PLoS ONE</i> , 2015, 10, e0125432.	2.5	22
198	Alterations in Temporal Summation of Pain and Conditioned Pain Modulation Across an Episode of Experimental Exercise-Induced Low Back Pain. <i>Journal of Pain</i> , 2019, 20, 264-276.	1.4	22

#	ARTICLE	IF	CITATIONS
199	Central Hyperexcitability in Fibromyalgia. <i>Journal of Musculoskeletal Pain</i> , 1999, 7, 261-271.	0.3	21
200	Spatial dependency of trapezius muscle activity during repetitive shoulder flexion. <i>Journal of Electromyography and Kinesiology</i> , 2007, 17, 299-306.	1.7	21
201	Homotopic and heterotopic variation in skin blood flow and temperature following experimental muscle pain in humans. <i>Brain Research</i> , 2008, 1232, 85-93.	2.2	21
202	Disruption of cortical synaptic homeostasis in individuals with chronic low back pain. <i>Clinical Neurophysiology</i> , 2018, 129, 1090-1096.	1.5	21
203	Sessions of Prolonged Continuous Theta Burst Stimulation or High-frequency 10 Hz Stimulation to Left Dorsolateral Prefrontal Cortex for 3 Days Decreased Pain Sensitivity by Modulation of the Efficacy of Conditioned Pain Modulation. <i>Journal of Pain</i> , 2019, 20, 1459-1469.	1.4	21
204	Impaired exercise-induced hypoalgesia in individuals reporting an increase in low back pain during acute exercise. <i>European Journal of Pain</i> , 2021, 25, 1053-1063.	2.8	21
205	Testosterone replacement therapy of opioid-induced male hypogonadism improved body composition but not pain perception: a double-blind, randomized, and placebo-controlled trial. <i>European Journal of Endocrinology</i> , 2020, 182, 539-548.	3.7	21
206	Features and methods to discriminate between mechanism-based categories of pain experienced in the musculoskeletal system: a Delphi expert consensus study. <i>Pain</i> , 2022, 163, 1812-1828.	4.2	21
207	Reduction of experimental muscle pain by passive physiological movements. <i>Manual Therapy</i> , 2009, 14, 101-109.	1.6	20
208	Pain patterns during adolescence can be grouped into four pain classes with distinct profiles: A study on a population based cohort of 2953 adolescents. <i>European Journal of Pain</i> , 2018, 22, 793-799.	2.8	20
209	Cortical Somatosensory Excitability Is Modulated in Response to Several Days of Muscle Soreness. <i>Journal of Pain</i> , 2018, 19, 1296-1307.	1.4	20
210	Acute Procedural Pain in Children. <i>Clinical Journal of Pain</i> , 2018, 34, 1032-1038.	1.9	20
211	Effect of anodal high-definition transcranial direct current stimulation on the pain sensitivity in a healthy population: a double-blind, sham-controlled study. <i>Pain</i> , 2021, 162, 1659-1668.	4.2	20
212	Localized muscle pain causes prolonged recovery after fatiguing isometric contractions. <i>Experimental Brain Research</i> , 2007, 181, 147-158.	1.5	19
213	Reduction of human experimental muscle pain by alfentanil and morphine. <i>European Journal of Pain</i> , 2006, 10, 733-733.	2.8	18
214	Altered pain sensitivity and axioscapular muscle activity in neck pain patients compared with healthy controls. <i>European Journal of Pain</i> , 2017, 21, 1763-1771.	2.8	18
215	Pressure-induced referred pain areas are more expansive in individuals with a recovered fracture. <i>Pain</i> , 2018, 159, 1972-1979.	4.2	18
216	Hypoalgesia after bicycling at lactate threshold is reliable between sessions. <i>European Journal of Applied Physiology</i> , 2019, 119, 91-102.	2.5	18

#	ARTICLE	IF	CITATIONS
217	Increased Trapezius Pain Sensitivity Is Not Associated With Increased Tissue Hardness. <i>Journal of Pain</i> , 2010, 11, 491-499.	1.4	17
218	Variability of three-dimensional forces increase during experimental knee pain. <i>European Journal of Applied Physiology</i> , 2013, 113, 567-575.	2.5	17
219	Pregnancy Is Characterized by Widespread Deep-Tissue Hypersensitivity Independent of Lumbopelvic Pain Intensity, a Facilitated Response to Manual Orthopedic Tests, and Poorer Self-Reported Health. <i>Journal of Pain</i> , 2015, 16, 270-282.	1.4	17
220	The Effect of Experimental Neck Pain on Pressure Pain Sensitivity and Axioscapular Motor Control. <i>Journal of Pain</i> , 2015, 16, 367-379.	1.4	17
221	Cervical spine reposition errors after cervical flexion and extension. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 102.	1.9	17
222	The Strengthening Exercises in Shoulder Impingement trial (The SExSI-trial) investigating the effectiveness of a simple add-on shoulder strengthening exercise programme in patients with long-lasting subacromial impingement syndrome: Study protocol for a pragmatic, assessor blinded, parallel-group, randomised, controlled trial. <i>Trials</i> , 2018, 19, 154.	1.6	17
223	Delayed effects of attention on pain sensitivity and conditioned pain modulation. <i>European Journal of Pain</i> , 2019, 23, 1850-1862.	2.8	17
224	Motor adaptation varies between individuals in the transition to sustained pain. <i>Pain</i> , 2019, 160, 2115-2125.	4.2	17
225	Brain perfusion patterns are altered in chronic knee pain: a spatial covariance analysis of arterial spin labelling MRI. <i>Pain</i> , 2020, 161, 1255-1263.	4.2	17
226	Introducing descending control of nociception: a measure of diffuse noxious inhibitory controls in conscious animals. <i>Pain</i> , 2021, 162, 1957-1959.	4.2	17
227	Spike-triggered average torque and muscle fiber conduction velocity of low-threshold motor units following submaximal endurance contractions. <i>Journal of Applied Physiology</i> , 2005, 98, 1495-1502.	2.5	16
228	Muscle fatigue increases the amplitude of fluctuations of tangential forces during isometric contractions. <i>Human Movement Science</i> , 2012, 31, 758-771.	1.4	16
229	Dynamic Mechanical Assessment of Muscle Hyperalgesia in Humans: The Dynamic Algometer. <i>Pain Research and Management</i> , 2015, 20, 29-34.	1.8	16
230	Differential Corticomotor Excitability Responses to Hypertonic Saline-Induced Muscle Pain in Forearm and Hand Muscles. <i>Neural Plasticity</i> , 2018, 2018, 1-9.	2.2	16
231	Effects of repeated conditioning pain modulation in healthy volunteers. <i>European Journal of Pain</i> , 2018, 22, 1833-1843.	2.8	16
232	Effects of multifocal transcranial direct current stimulation targeting the motor network during prolonged experimental pain. <i>European Journal of Pain</i> , 2021, 25, 1241-1253.	2.8	16
233	Vibration-Induced Afferent Activity Augments Delayed Onset Muscle Allodynia. <i>Journal of Pain</i> , 2011, 12, 884-891.	1.4	15
234	Modulation of motor variability related to experimental muscle pain during elbow-flexion contractions. <i>Human Movement Science</i> , 2015, 39, 222-235.	1.4	15

#	ARTICLE	IF	CITATIONS
235	Experimental Referred Pain Extends Toward Previously Injured Location: An Explorative Study. <i>Journal of Pain</i> , 2018, 19, 1189-1200.	1.4	15
236	Motor potentials evoked by transcranial magnetic stimulation during isometric and dynamic masseter muscle contraction in humans. <i>Archives of Oral Biology</i> , 2001, 46, 381-386.	1.8	14
237	Muscular Heat and Mechanical Pain Sensitivity After Lengthening Contractions in Humans and Animals. <i>Journal of Pain</i> , 2013, 14, 1425-1436.	1.4	14
238	Intra-Articular Analgesia and Steroid Reduce Pain Sensitivity in Knee OA Patients: An Interventional Cohort Study. <i>Pain Research and Treatment</i> , 2014, 2014, 1-6.	1.7	14
239	Deformation and pressure propagation in deep somatic tissue during painful cuff algometry. <i>European Journal of Pain</i> , 2015, 19, 1456-1466.	2.8	14
240	Reorganised motor control strategies of trunk muscles due to acute low back pain. <i>Human Movement Science</i> , 2015, 41, 282-294.	1.4	14
241	Decreased muscle strength is associated with impaired long-term functional outcome after intramedullary nailing of femoral shaft fracture. <i>European Journal of Trauma and Emergency Surgery</i> , 2015, 41, 673-681.	1.7	14
242	Resisted adduction in hip neutral is a superior provocation test to assess adductor longus pain: An experimental pain study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016, 26, 967-974.	2.9	14
243	Impaired microvascular reactivity after eccentric muscle contractions is not restored by acute ingestion of antioxidants or dietary nitrate. <i>Physiological Reports</i> , 2019, 7, e14162.	1.7	14
244	Experimental skin pain and muscle pain induce distinct changes in human trigeminal motoneuronal excitability. <i>Experimental Brain Research</i> , 2006, 174, 622-629.	1.5	13
245	Nociceptive withdrawal reflexes evoked by uniform-temperature laser heat stimulation of large skin areas in humans. <i>Journal of Neuroscience Methods</i> , 2007, 160, 85-92.	2.5	13
246	Experimental Knee Pain Evoke Spreading Hyperalgesia and Facilitated Temporal Summation of Pain. <i>Pain Medicine</i> , 2013, 14, 874-883.	1.9	13
247	Pain-evoked trunk muscle activity changes during fatigue and DOMS. <i>European Journal of Pain</i> , 2017, 21, 907-917.	2.8	13
248	Asymmetry in gait pattern following tibial shaft fractures – a prospective one-year follow-up study of 49 patients. <i>Gait and Posture</i> , 2017, 51, 47-51.	1.4	13
249	Enlarged Areas of Pain and Pressure Hypersensitivity by Spatially Distributed Intramuscular Injections of Low-Dose Nerve Growth Factor. <i>Journal of Pain</i> , 2019, 20, 566-576.	1.4	13
250	Origin of neck pain and direction of movement influence dynamic cervical joint motion and pressure pain sensitivity. <i>Clinical Biomechanics</i> , 2019, 61, 120-128.	1.2	13
251	Mechanistic pain profiling in young adolescents with patellofemoral pain before and after treatment: a prospective cohort study. <i>Pain</i> , 2020, 161, 1065-1071.	4.2	13
252	Pain-induced changes in cervical muscle activation do not affect muscle fatigability during sustained isometric contraction. <i>Journal of Electromyography and Kinesiology</i> , 2008, 18, 938-946.	1.7	12

#	ARTICLE	IF	CITATIONS
253	Sensory responses to mechanically and chemically induced tendon pain in healthy subjects. <i>European Journal of Pain</i> , 2011, 15, 146-152.	2.8	12
254	Tissue characteristics during temporal summation of pressure-evoked pain. <i>Experimental Brain Research</i> , 2012, 219, 255-265.	1.5	12
255	Reorganised anticipatory postural adjustments due to experimental lower extremity muscle pain. <i>Human Movement Science</i> , 2013, 32, 1239-1252.	1.4	12
256	Eccentric exercise slows in vivo microvascular reactivity during brief contractions in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2015, 119, 1272-1281.	2.5	12
257	Decreased QOL and muscle strength are persistent 1 year after intramedullary nailing of a tibial shaft fracture: a prospective 1-year follow-up cohort study. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2016, 136, 1395-1402.	2.4	12
258	Movement Does Not Promote Recovery of Motor Output Following Acute Experimental Muscle Pain. <i>Pain Medicine</i> , 2018, 19, 608-614.	1.9	12
259	Pain Catastrophizing, Self-reported Disability, and Temporal Summation of Pain Predict Self-reported Pain in Low Back Pain Patients 12 Weeks After General Practitioner Consultation. <i>Clinical Journal of Pain</i> , 2020, 36, 757-763.	1.9	12
260	Impaired anticipatory postural adjustments due to experimental infrapatellar fat pad pain. <i>European Journal of Pain</i> , 2015, 19, 1362-1371.	2.8	11
261	Transition from acute to chronic pain in children: novel pieces of the puzzle. <i>Pain</i> , 2017, 158, 767-768.	4.2	11
262	Cervical flexion and extension includes anti-directional cervical joint motion in healthy adults. <i>Spine Journal</i> , 2018, 18, 147-154.	1.3	11
263	New updates on transcranial magnetic stimulation in chronic pain. <i>Current Opinion in Supportive and Palliative Care</i> , 2022, 16, 65-70.	1.3	11
264	The Effect of Combined Skin and Deep Tissue Inflammatory Pain Models. <i>Pain Medicine</i> , 2015, 16, 2053-2064.	1.9	10
265	An MRI-based leg model used to simulate biomechanical phenomena during cuff algometry: a finite element study. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 315-324.	2.8	10
266	Bilateral experimental neck pain reorganize axioscapular muscle coordination and pain sensitivity. <i>European Journal of Pain</i> , 2017, 21, 681-691.	2.8	10
267	Experimental Low Back Pain Decreased Trunk Muscle Activity in Currently Asymptomatic Recurrent Low Back Pain Patients During Step Tasks. <i>Journal of Pain</i> , 2018, 19, 542-551.	1.4	10
268	Do sensorimotor cortex activity, an individual's capacity for neuroplasticity, and psychological features during an episode of acute low back pain predict outcome at 6 months: a protocol for an Australian, multisite prospective, longitudinal cohort study. <i>BMJ Open</i> , 2019, 9, e029027.	1.9	10
269	Conditioning pain modulation reduces pain only during the first stimulation of the temporal summation of pain paradigm in healthy participants. <i>European Journal of Pain</i> , 2019, 23, 1390-1396.	2.8	10
270	Cortical function and sensorimotor plasticity are prognostic factors associated with future low back pain after an acute episode: the Understanding persistent Pain Where it Resides prospective cohort study. <i>Pain</i> , 2023, 164, 14-26.	4.2	10

#	ARTICLE	IF	CITATIONS
271	Deep Tissue Hyperalgesia. <i>Journal of Musculoskeletal Pain</i> , 2002, 10, 97-119.	0.3	9
272	Is there a relation between intramuscular hypoperfusion and chronic muscle pain?. <i>Journal of Pain</i> , 2002, 3, 261-263.	1.4	9
273	Spatial and temporal changes of upper trapezius muscle fiber conduction velocity are not predicted by surface EMG spectral analysis during a dynamic upper limb task. <i>Journal of Neuroscience Methods</i> , 2006, 156, 236-241.	2.5	9
274	The dynamics of the pain system is intact in patients with knee osteoarthritis: An exploratory experimental study. <i>Scandinavian Journal of Pain</i> , 2015, 6, 43-49.	1.3	9
275	Cuff Pressure Pain Detection Is Associated with Both Sex and Physical Activity Level in Nonathletic Healthy Subjects. <i>Pain Medicine</i> , 2017, 18, pnw309.	1.9	9
276	Experimental pain in the groin may refer into the lower abdomen: Implications to clinical assessments. <i>Journal of Science and Medicine in Sport</i> , 2017, 20, 904-909.	1.3	9
277	Blood flow after contraction and cuff occlusion is reduced in subjects with muscle soreness after eccentric exercise. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 29-39.	2.9	9
278	Exercise-induced hypoalgesia in young adult females with long-standing patellofemoral pain – A randomized crossover study. <i>European Journal of Pain</i> , 2019, 23, 1780-1789.	2.8	9
279	Experimental cervical interspinous ligament pain altered cervical joint motion during dynamic extension movement. <i>Clinical Biomechanics</i> , 2019, 65, 65-72.	1.2	9
280	Aberrant plasticity in musculoskeletal pain: a failure of homeostatic control?. <i>Experimental Brain Research</i> , 2021, 239, 1317-1326.	1.5	9
281	Experimental Hand and Knee Pain Cause Differential Effects on Corticomotor Excitability. <i>Journal of Pain</i> , 2021, 22, 789-796.	1.4	9
282	Methods for Induction and Assessment of Pain in Humans with Clinical and Pharmacological Examples. <i>Frontiers in Neuroscience</i> , 2001, , .	0.0	9
283	Assessment of Muscle Pain in Humans – Clinical and Experimental Aspects. <i>Journal of Musculoskeletal Pain</i> , 1999, 7, 25-41.	0.3	8
284	The Associations between Pain Sensitivity and Knee Muscle Strength in Healthy Volunteers: A Cross-Sectional Study. <i>Pain Research and Treatment</i> , 2013, 2013, 1-7.	1.7	8
285	Spatial reorganisation of muscle activity correlates with change in tangential force variability during isometric contractions. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 37-45.	1.7	8
286	Hyperalgesia and allodynia to superficial and deep-tissue mechanical stimulation within and outside of the UVB irradiated area in human skin. <i>Scandinavian Journal of Pain</i> , 2014, 5, 258-267.	1.3	8
287	Interface Pressure Behavior during Painful Cuff Algometry. <i>Pain Medicine</i> , 2016, 17, pnv063.	1.9	8
288	Effects of Prolonged and Acute Muscle Pain on the Force Control Strategy During Isometric Contractions. <i>Journal of Pain</i> , 2016, 17, 1116-1125.	1.4	8

#	ARTICLE	IF	CITATIONS
289	Reorganized Force Control in Elbow Pain Patients During Isometric Wrist Extension. <i>Clinical Journal of Pain</i> , 2018, 34, 732-738.	1.9	8
290	Repeatability of Cervical Joint Flexion and Extension Within and Between Days. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2018, 41, 10-18.	0.9	8
291	Corticomotor excitability reduction induced by experimental pain remains unaffected by performing a working memory task as compared to staying at rest. <i>Experimental Brain Research</i> , 2019, 237, 2205-2215.	1.5	8
292	Increased postural stiffness during challenging postural tasks in patients with knee osteoarthritis with high pain sensitization. <i>Clinical Biomechanics</i> , 2019, 61, 129-135.	1.2	8
293	Protocols for inducing homeostatic plasticity reflected in the corticospinal excitability in healthy human participants: A systematic review and meta-analysis. <i>European Journal of Neuroscience</i> , 2021, 54, 5444-5461.	2.6	8
294	Positive affect and distraction enhance whereas negative affect impairs pain modulation in patients with recurrent low back pain and matched controls. <i>Pain</i> , 2022, 163, 887-896.	4.2	8
295	Center of Pressure Displacement of Standing Posture during Rapid Movements Is Reorganised Due to Experimental Lower Extremity Muscle Pain. <i>PLoS ONE</i> , 2015, 10, e0144933.	2.5	7
296	Acid-induced experimental muscle pain and hyperalgesia with single and repeated infusion in human forearm. <i>Scandinavian Journal of Pain</i> , 2017, 17, 260-266.	1.3	7
297	Temporal aspects of endogenous pain modulation during a noxious stimulus prolonged for 1 day. <i>European Journal of Pain</i> , 2020, 24, 752-760.	2.8	7
298	<p>Multisensory Sensitivity is Related to Deep-Tissue but Not Cutaneous Pain Sensitivity in Healthy Individuals</p>. <i>Journal of Pain Research</i> , 2020, Volume 13, 2493-2508.	2.0	7
299	Pain and Disability in Low Back Pain Can be Reduced Despite No Significant Improvements in Mechanistic Pain Biomarkers. <i>Clinical Journal of Pain</i> , 2021, 37, 330-338.	1.9	7
300	Slowing in Peak-Alpha Frequency Recorded After Experimentally-Induced Muscle Pain is not Significantly Different Between High and Low Pain-Sensitive Subjects. <i>Journal of Pain</i> , 2021, 22, 1722-1732.	1.4	7
301	Medial Prefrontal High-Definition Transcranial Direct Current Stimulation to Improve Pain Modulation in Chronic Low Back Pain: A Pilot Randomized Double-blinded Placebo-Controlled Crossover Trial. <i>Journal of Pain</i> , 2021, 22, 952-967.	1.4	7
302	Angular gyrus connectivity at alpha and beta oscillations is reduced during tonic pain â€“ Differential effect of eye state. <i>NeuroImage: Clinical</i> , 2022, 33, 102907.	2.7	7
303	Effect of clenching levels on heteronymous H-reflex in human temporalis muscle. <i>Experimental Brain Research</i> , 1999, 126, 467-472.	1.5	6
304	Cuff Algometry for Estimation of Hyperalgesia and Pain Summation. <i>Pain Medicine</i> , 2016, 18, pnw168.	1.9	6
305	Nerve growth factorâ€nduced muscle hyperalgesia facilitates ischaemic contractionâ€evoked pain. <i>European Journal of Pain</i> , 2019, 23, 1814-1825.	2.8	6
306	Experimental knee-related pain enhances attentional interference on postural control. <i>European Journal of Applied Physiology</i> , 2019, 119, 2053-2064.	2.5	6

#	ARTICLE	IF	CITATIONS
307	Potential interaction of experimental knee pain and laterally wedged insoles for knee off-loading during walking. <i>Clinical Biomechanics</i> , 2014, 29, 848-854.	1.2	5
308	Interaction between ultraviolet B-induced cutaneous hyperalgesia and nerve growth factor-induced muscle hyperalgesia. <i>European Journal of Pain</i> , 2016, 20, 1058-1069.	2.8	5
309	Reorganized Trunk Muscle Activity During Multidirectional Floor Perturbations After Experimental Low Back Pain: A Comparison of Bilateral Versus Unilateral Pain. <i>Journal of Pain</i> , 2016, 17, 223-235.	1.4	5
310	Acid-induced experimental knee pain and hyperalgesia in healthy humans. <i>Experimental Brain Research</i> , 2018, 236, 587-598.	1.5	5
311	Effect of sustained experimental muscle pain on joint position sense. <i>Pain Reports</i> , 2019, 4, e737.	2.7	5
312	Repeated Injections of Low-Dose Nerve Growth Factor (NGF) in Healthy Humans Maintain Muscle Pain and Facilitate Ischemic Contraction-Induced Pain. <i>Pain Medicine</i> , 2020, 21, 3488-3498.	1.9	5
313	Medial Prefrontal Transcranial Direct Current Stimulation Aimed to Improve Affective and Attentional Modulation of Pain in Chronic Low Back Pain Patients. <i>Journal of Clinical Medicine</i> , 2021, 10, 889.	2.4	5
314	Prolonged corticomotor homeostatic plasticity - Effects of different protocols and their reliability. <i>Brain Stimulation</i> , 2021, 14, 327-329.	1.6	5
315	Prognosis and transition of multi-site pain during the course of 5 years: Results of knee pain and function from a prospective cohort study among 756 adolescents. <i>PLoS ONE</i> , 2021, 16, e0250415.	2.5	5
316	Light Touch Contact Improves Pain-Evoked Postural Instability During Quiet Standing. <i>Pain Medicine</i> , 2018, 19, 2487-2495.	1.9	4
317	Head repositioning accuracy is influenced by experimental neck pain in those most accurate but not when adding a cognitive task. <i>Scandinavian Journal of Pain</i> , 2019, 20, 191-203.	1.3	4
318	Recurrent neck pain patients exhibit altered joint motion pattern during cervical flexion and extension movements. <i>Clinical Biomechanics</i> , 2020, 71, 125-132.	1.2	4
319	Pain referral area is reduced by remote pain. <i>European Journal of Pain</i> , 2021, 25, 1804-1814.	2.8	4
320	The effect of differential and complete nerve block on experimental muscle pain in humans. <i>Muscle and Nerve</i> , 1999, 22, 1564-1570.	2.2	4
321	Disturbances of Pain Perception in Myofascial Pain Syndrome and other Musculoskeletal Pains. , 2004, , 93-106.		4
322	Modulation Of Experimental Prolonged Pain and Sensitization Using High-Definition Transcranial Direct Current Stimulation: A Double-Blind, Sham-Controlled Study. <i>Journal of Pain</i> , 2022, 23, 1220-1233.	1.4	4
323	Effect of prolonged experimental neck pain on exercise-induced hypoalgesia. <i>Pain</i> , 2022, 163, 2411-2420.	4.2	4
324	Non-invasive insular stimulation for peripheral neuropathic pain: Influence of target or symptom?. <i>Neurophysiologie Clinique</i> , 2022, 52, 109-116.	2.2	4

#	ARTICLE	IF	CITATIONS
325	Local and Widespread Hyperalgesia After Isolated Tibial Shaft Fractures Treated with Intramedullary Nailing. <i>Pain Medicine</i> , 2016, 17, pnv016.	1.9	3
326	Temporal summation of muscle pain evoked by very fast pressure sequences and rotation. <i>Somatosensory & Motor Research</i> , 2015, 32, 99-105.	0.9	3
327	The Effect of Stress on Repeated Painful Stimuli with and Without Painful Conditioning. <i>Pain Medicine</i> , 2020, 21, 317-325.	1.9	3
328	Correlations between the active straight leg raise, sleep and somatosensory sensitivity during pregnancy with post-partum lumbopelvic pain: an initial exploration. <i>Scandinavian Journal of Pain</i> , 2019, 19, 53-60.	1.3	3
329	Stimulus predictability moderates the withdrawal strategy in response to repetitive noxious stimulation in humans. <i>Journal of Neurophysiology</i> , 2020, 123, 2201-2208.	1.8	3
330	Referral of Musculoskeletal Pain. , 2010, , 177-205.		3
331	Conditioning of heteronymous H reflex in human temporalis muscle by stimulation of perioral afferents. <i>Experimental Brain Research</i> , 2001, 136, 114-119.	1.5	2
332	Sensory and Motor Manifestations of Muscle Pain. <i>Journal of Musculoskeletal Pain</i> , 2008, 16, 93-105.	0.3	2
333	Moving coil pressure algometer produces consistent force gradient and repeated stimulation. , 2012, 2012, 6591-4.		2
334	Bone hyperalgesia after mechanical impact stimulation: A human experimental pain model. <i>Somatosensory & Motor Research</i> , 2014, 31, 178-185.	0.9	2
335	Reliability and validity of a simple and clinically applicable pain stimulus: sustained mechanical pressure with a spring-clamp. <i>Chiropractic & Manual Therapies</i> , 2014, 22, .	1.5	2
336	Pressure Algometry with a Rotational Fanning Probe Improves the Detection of Experimental Muscle Hyperalgesia. <i>Pain Medicine</i> , 2015, 16, 537-543.	1.9	2
337	Healthy Pain-Free Individuals with a History of Distal Radius Fracture Demonstrate an Expanded Distribution of Experimental Referred Pain Toward the Wrist. <i>Pain Medicine</i> , 2020, 21, 2850-2862.	1.9	2
338	Role of population-based cohorts in understanding the emergence and progression of musculoskeletal pain. <i>Pain</i> , 2021, Publish Ahead of Print, .	4.2	2
339	Reorganized Motor Control Due to Muscle Pain. , 2010, , 251-268.		2
340	Heat-rekindling in UVB-irradiated skin above NGF-sensitized muscle: experimental models of prolonged mechanical hypersensitivity. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2014, 6, 143-52.	0.8	2
341	Effect of cancellation on triggered averaging used to determine synchronization between motor unit discharge in separate muscles. <i>Journal of Neuroscience Methods</i> , 2009, 182, 1-5.	2.5	1
342	Low-Dose Sublingual Ketamine Does Not Modulate Experimentally Induced Mechanical Hyperalgesia in Healthy Subjects. <i>Pain Medicine</i> , 2012, 13, 1235-1246.	1.9	1

#	ARTICLE	IF	CITATIONS
343	Hyperalgesia in human skin and deep-tissues inside and outside of a UVB irradiated area. Scandinavian Journal of Pain, 2012, 3, 190-190.	1.3	1
344	Vibration and Rotation During Biaxial Pressure Algometry Is Related with Decreased and Increased Pain Sensations. Pain Medicine, 2014, 15, 2095-2104.	1.9	1
345	Several days of muscle hyperalgesia facilitates cortical somatosensory excitability. Scandinavian Journal of Pain, 2017, 16, 169-169.	1.3	1
346	HOW TO ASSESS MUSCLE PAIN EXPERIMENTALLY AND CLINICALLY. European Journal of Pain, 1997, 1, 64-65.	2.8	0
347	Whiplash and Symptom Amplification. Pain, 2001, 89, 294-295.	4.2	0
348	287 EXPERIMENTAL MUSCLE BUT NOT TENDON PAIN DECREASES MOTOR UNIT DISCHARGE RATE. European Journal of Pain, 2006, 10, S77a-S77.	2.8	0
349	415 REPEATED INJECTIONS OF A HIGH DOSE NERVE GROWTH FACTOR (NGF) DO NOT INDUCE IMMEDIATE MUSCLE PAIN BUT PROLONGED HYPERALGESIA. European Journal of Pain, 2009, 13, S125a.	2.8	0
350	F511 PRESSURE-INDUCED BONE PAIN: AN EXPERIMENTAL AND MODELING STUDY. European Journal of Pain Supplements, 2011, 5, 162-162.	0.0	0
351	45 TRANSLATIONAL STUDIES ON MYOFASCIAL TRIGGER POINTS - MODELS AND CLINICAL IMPLICATION. European Journal of Pain Supplements, 2011, 5, 11-12.	0.0	0
352	Exercise and conditioned pain modulation have different effects on cuff pressure pain tolerance in humans. Scandinavian Journal of Pain, 2012, 3, 190-190.	1.3	0
353	Baseline pressure-pain tolerance threshold predicts the clinical outcome of a weight loss intervention in obese knee OA patients: a prospective cohort study. Osteoarthritis and Cartilage, 2012, 20, S254-S255.	1.3	0
354	Safety system for moving coil pressure algometer. , 2013, 2013, 5356-9.		0
355	Inducing a Blind Spot: Blinding Data Collectors in an Investigation of Experimental Pain. Pain Medicine, 2015, 16, 1145-1154.	1.9	0
356	Acute bilateral experimental neck pain: Reorganise axioscapular and trunk muscle activity during slow resisted arm movements. Scandinavian Journal of Pain, 2016, 12, 125-126.	1.3	0
357	Fixed or adapted conditioning intensity for repeated conditioned pain modulation. Scandinavian Journal of Pain, 2017, 16, 176-176.	1.3	0
358	The size of pain referral patterns from a tonic painful mechanical stimulus is increased in women. Scandinavian Journal of Pain, 2017, 16, 179-179.	1.3	0
359	Experimental neck muscle pain increase pressure pain threshold over cervical facet joints. Scandinavian Journal of Pain, 2017, 16, 182-183.	1.3	0
360	Eccentric Exercise And Microvascular Function. Medicine and Science in Sports and Exercise, 2017, 49, 1003.	0.4	0