Lars Arendt-Nielsen

List of Publications by Year
in descending order

522 papers	34,395 citations	1980 101 h-index	7931 149 g-index
526 all docs	526 docs citations	526 times ranked	15969 citing authors

#	Article	IF	Citations
1	Studying sex and gender differences in pain and analgesia: A consensus report. Pain, 2007, 132, S26-S45.	2.0	797
2	Sensitization in patients with painful knee osteoarthritis. Pain, 2010, 149, 573-581.	2.0	785
3	A Randomized, Controlled Trial of Total Knee Replacement. New England Journal of Medicine, 2015, 373, 1597-1606.	13.9	498
4	Experimental and Clinical Applications of Quantitative Sensory Testing Applied to Skin, Muscles and Viscera. Journal of Pain, 2009, 10, 556-572.	0.7	424
5	Assessment of mechanisms in localized and widespread musculoskeletal pain. Nature Reviews Rheumatology, 2010, 6, 599-606.	3.5	413
6	Evidence for spinal cord hypersensitivity in chronic pain after whiplash injury and in fibromyalgia. Pain, 2004, 107, 7-15.	2.0	384
7	The influence of low back pain on muscle activity and coordination during gait: a clinical and experimental study. Pain, 1996, 64, 231-240.	2.0	347
8	The hypoalgesic effect of tramadol in relation to CYP2D6*. Clinical Pharmacology and Therapeutics, 1996, 60, 636-644.	2.3	346
9	Ketamine reduces muscle pain, temporal summation, and referred pain in fibromyalgia patients. Pain, 2000, 85, 483-491.	2.0	346
10	Inhibition of motor system excitability at cortical and spinal level by tonic muscle pain. Clinical Neurophysiology, 2001, 112, 1633-1641.	0.7	330
11	Age effects on pain thresholds, temporal summation and spatial summation of heat and pressure pain. Pain, 2005, 115, 410-418.	2.0	326
12	The effect of ketamine on phantom pain: a central neuropathic disorder maintained by peripheral input. Pain, 1996, 67, 69-77.	2.0	294
13	Central Hypersensitivity in Chronic Pain After Whiplash Injury. Clinical Journal of Pain, 2001, 17, 306-315.	0.8	294
14	Osteoarthritis and its association with muscle hyperalgesia: an experimental controlled study. Pain, 2001, 93, 107-114.	2.0	278
15	Patient phenotyping in clinical trials of chronic pain treatments: IMMPACT recommendations. Pain, 2016, 157, 1851-1871.	2.0	270
16	Generalised muscular hyperalgesia in chronic whiplash syndrome. Pain, 1999, 83, 229-234.	2.0	269
17	Electrophysiological and psychophysical quantification of temporal summation in the human nociceptive system. European Journal of Applied Physiology and Occupational Physiology, 1994, 68, 266-273.	1.2	260
18	Generalized deep-tissue hyperalgesia in patients with chronic low-back pain. European Journal of Pain, 2007, 11, 415-420.	1.4	252

#	Article	IF	Citations
19	Presurgical assessment of temporal summation of pain predicts the development of chronic postoperative pain 12 months after total knee replacement. Pain, 2015, 156, 55-61.	2.0	227
20	Sex-Related Differences in Human Pain and Rat Afferent Discharge Evoked by Injection of Glutamate Into the Masseter Muscle. Journal of Neurophysiology, 2001, 86, 782-791.	0.9	223
21	Injection of nerve growth factor into human masseter muscle evokes long-lasting mechanical allodynia and hyperalgesia. Pain, 2003, 104, 241-247.	2.0	219
22	Activation of Peripheral NMDA Receptors Contributes to Human Pain and Rat Afferent Discharges Evoked by Injection of Glutamate into the Masseter Muscle. Journal of Neurophysiology, 2003, 90, 2098-2105.	0.9	206
23	The change in spatial distribution of upper trapezius muscle activity is correlated to contraction duration. Journal of Electromyography and Kinesiology, 2008, 18, 16-25.	0.7	203
24	Inhibition of maximal voluntary contraction force by experimental muscle pain: A centrally mediated mechanism. Muscle and Nerve, 2002, 26, 708-712.	1.0	199
25	Sensory abnormalities in consecutive, unselected patients with central post-stroke pain. Pain, 1995, 61, 177-186.	2.0	195
26	Association of Joint Inflammation With Pain Sensitization in Knee Osteoarthritis: The Multicenter Osteoarthritis Study. Arthritis and Rheumatology, 2016, 68, 654-661.	2.9	195
27	Endometriosis is associated with central sensitization: a psychophysical controlled study. Journal of Pain, 2003, 4, 372-380.	0.7	191
28	Quantification of local and referred muscle pain in humans after sequential i.m. injections of hypertonic saline. Pain, 1997, 69, 111-117.	2.0	183
29	Codeine increases pain thresholds to copper vapor laser stimuli in extensive but not poor metabolizers of sparteine. Clinical Pharmacology and Therapeutics, 1990, 48, 686-693.	2.3	175
30	The analgesic effect of oral delta-9-tetrahydrocannabinol (THC), morphine, and a THC-morphine combination in healthy subjects under experimental pain conditions. Pain, 2003, 105, 79-88.	2.0	174
31	Central sensitization in fibromyalgia and other musculoskeletal disorders. Current Pain and Headache Reports, 2003, 7, 355-361.	1.3	173
32	Effect of Experimental Muscle Pain on Motor Unit Firing Rate and Conduction Velocity. Journal of Neurophysiology, 2004, 91, 1250-1259.	0.9	172
33	Glutamate-evoked pain and mechanical allodynia in the human masseter muscle. Pain, 2003, 101, 221-227.	2.0	168
34	Referred Muscle Pain: Basic and Clinical Findings. Clinical Journal of Pain, 2001, 17, 11-19.	0.8	165
35	Changes in the degree of motor variability associated with experimental and chronic neckâ€“shoulder pain during a standardised repetitive arm movement. Experimental Brain Research, 2008, 185, 689-698.	0.7	161
36	Chronic Phantom Limb Pain: The Effects of Calcitonin, Ketamine, and Their Combination on Pain and Sensory Thresholds. Anesthesia and Analgesia, 2008, 106, 1265-1273.	1.1	159

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37	Sensitivity and sensitisation in relation to pain severity in knee osteoarthritis: trait or state?. Annals of the Rheumatic Diseases, 2015, 74, 682-688.	0.5	158
38	Peripheral and central sensitization in musculoskeletal pain disorders: An experimental approach. Current Rheumatology Reports, 2002, 4, 313-321.	2.1	157
39	Psychophysical examination in patients with post-mastectomy pain. Pain, 2000, 87, 275-284.	2.0	155
40	Patients with Chronic Pain After Abdominal Surgery Show Less Preoperative Endogenous Pain Inhibition and More Postoperative Hyperalgesia: A Pilot Study. Journal of Pain and Palliative Care Pharmacotherapy, 2010, 24, 119-128.	0.5	154
41	Bilateral Widespread Mechanical Pain Sensitivity in Women With Myofascial Temporomandibular Disorder: Evidence of Impairment in Central Nociceptive Processing. Journal of Pain, 2009, 10, 1170-1178.	0.7	152
42	Contact heat evoked potentials as a valid means to study nociceptive pathways in human subjects. Neuroscience Letters, 2001, 316, 79-82.	1.0	150
43	Differences between opioids: pharmacological, experimental, clinical and economical perspectives. British Journal of Clinical Pharmacology, 2013, 75, 60-78.	1.1	150
44	Widespread Mechanical Pain Hypersensitivity as Sign of Central Sensitization in Unilateral Epicondylalgia. Clinical Journal of Pain, 2009, 25, 555-561.	0.8	149
45	Central Hypersensitivity in Chronic Pain: Mechanisms and Clinical Implications. Physical Medicine and Rehabilitation Clinics of North America, 2006, 17, 287-302.	0.7	147
46	Bilateral widespread mechanical pain sensitivity in carpal tunnel syndrome: evidence of central processing in unilateral neuropathy. Brain, 2009, 132, 1472-1479.	3.7	147
47	Subcutaneous Botulinum toxin type A reduces capsaicin-induced trigeminal pain and vasomotor reactions in human skin. Pain, 2009, 141, 60-69.	2.0	146
48	Reference values of mechanical and thermal pain tests in a painâ€free population. European Journal of Pain, 2011, 15, 376-383.	1.4	145
49	The effect of pre- versus postinjury infiltration with lidocaine on thermal and mechanical hyperalgesia after heat injury to the skin. Pain, 1993, 53, 43-51.	2.0	144
50	Temporal Summation of Pain Evoked by Mechanical Stimulation in Deep and Superficial Tissue. Journal of Pain, 2005, 6, 348-355.	0.7	144
51	Shoulder muscle co-ordination during chronic and acute experimental neck-shoulder pain. An occupational pain study. European Journal of Applied Physiology, 1999, 79, 127-140.	1.2	140
52	Muscle trigger points and pressure pain hyperalgesia in the shoulder muscles in patients with unilateral shoulder impingement: a blinded, controlled study. Experimental Brain Research, 2010, 202, 915-925.	0.7	140
53	Assessment of musculoskeletal pain sensitivity and temporal summation by cuff pressure algometry. Pain, 2015, 156, 2193-2202.	2.0	139
54	A comparative study of oxycodone and morphine in a multi-modal, tissue-differentiated experimental pain model. Pain, 2006, 123, 28-36.	2.0	138

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55	Standardising surface electromyogram recordings for assessment of activity and fatigue in the human upper trapezius muscle. European Journal of Applied Physiology, 2002, 86, 469-478.	1.2	136
56	The effects of Botulinum Toxin type A on capsaicin-evoked pain, flare, and secondary hyperalgesia in an experimental human model of trigeminal sensitization. Pain, 2006, 122, 315-325.	2.0	136
57	Plasticity in corticomotor control of the human tongue musculature induced by tongue-task training. Experimental Brain Research, 2003, 152, 42-51.	0.7	134
58	Health related quality of life and quantitative pain measurement in females with chronic non-malignant pain. European Journal of Pain, 2005, 9, 267-267.	1.4	134
59	Altered Central Sensitization and Pain Modulation in the CNS in Chronic Joint Pain. Current Osteoporosis Reports, 2015, 13, 225-234.	1.5	133
60	In vivo model of muscle pain: Quantification of intramuscular chemical, electrical, and pressure changes associated with saline-induced muscle pain in humans. Pain, 1997, 69, 137-143.	2.0	132
61	Preoperative pain mechanisms assessed by cuff algometry are associated with chronic postoperative pain relief after total knee replacement. Pain, 2016, 157, 1400-1406.	2.0	132
62	Experimental Muscle Pain: A Quantitative Study of Local and Referred Pain in Humans Following Injection of Hypertonic Saline. Journal of Musculoskeletal Pain, 1997, 5, 49-69.	0.3	131
63	Experimental muscle pain increases the human stretch reflex. Pain, 1998, 75, 331-339.	2.0	131
64	Modulation of Remifentanil-Induced Analgesia, Hyperalgesia, and Tolerance by Small-Dose Ketamine in Humans. Anesthesia and Analgesia, 2003, 96, 726-732.	1.1	131
65	Contribution of the local and referred pain from active myofascial trigger points in fibromyalgia syndrome. Pain, 2009, 147, 233-240.	2.0	130
66	Referred pain as an indicator for neural plasticity. Progress in Brain Research, 2000, 129, 343-356.	0.9	129
67	Assessment of single motor unit conduction velocity during sustained contractions of the tibialis anterior muscle with advanced spike triggered averaging. Journal of Neuroscience Methods, 2002, 115, 1-12.	1.3	126
68	The Effect of Cutaneous and Deep Pain on the Electroencephalogram During Sleepâ€"An Experimental Study. Sleep, 1997, 20, 632-640.	0.6	125
69	Inhibition of motor unit firing during experimental muscle pain in humans. Muscle and Nerve, 2000, 23, 1219-1226.	1.0	125
70	Modulation of Central Hypersensitivity by Nociceptive Input in Chronic Pain After Whiplash Injury. Pain Medicine, 2004, 5, 366-376.	0.9	125
71	Painful and non-painful pressure sensations from human skeletal muscle. Experimental Brain Research, 2004, 159, 273-283.	0.7	124
72	The effects of intra-oral pain on motor cortex neuroplasticity associated with short-term novel tongue-protrusion training in humans. Pain, 2007, 132, 169-178.	2.0	124

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73	Oxycodone: a review of its use in the management of pain. Current Medical Research and Opinion, 2008, 24, 175-192.	0.9	123
74	The effect of Ketamine on stimulation of primary and secondary hyperalgesic areas induced by capsaicin -- a double-blind, placebo-controlled, human experimental study. Pain, 1996, 66, 51-62.	2.0	122
75	Topographical mapping and mechanical pain sensitivity of myofascial trigger points in the infraspinatus muscle. European Journal of Pain, 2008, 12, 859-865.	1.4	122
76	Widespread sensitization in patients with chronic pain after revision total knee arthroplasty. Pain, 2013, 154, 1588-1594.	2.0	121
77	The Analgesic Effect of Tramadol After Intravenous Injection in Healthy Volunteers in Relation to CYP2D6. Anesthesia and Analgesia, 2006, 102, 146-150.	1.1	119
78	Translational musculoskeletal pain research. Best Practice and Research in Clinical Rheumatology, 2011, 25, 209-226.	1.4	118
79	Facilitation of the withdrawal reflex by repeated transcutaneous electrical stimulation: an experimental study on central integration in humans. European Journal of Applied Physiology, 2000, 81, 165-173.	1.2	117
80	Experimental muscle pain changes the spatial distribution of upper trapezius muscle activity during sustained contraction. Clinical Neurophysiology, 2006, 117, 2436-2445.	0.7	117
81	Referred pain from trapezius muscle trigger points shares similar characteristics with chronic tension type headache. European Journal of Pain, 2007, 11, 475-482.	1.4	117
82	Experimental muscle pain impairs descending inhibition. Pain, 2008, 140, 465-471.	2.0	117
83	Sustained Nociceptive Mechanical Stimulation of Latent Myofascial Trigger Point Induces Central Sensitization in Healthy Subjects. Journal of Pain, 2010, 11, 1348-1355.	0.7	117
84	Latent Myofascial Trigger Points. Current Pain and Headache Reports, 2011, 15, 386-392.	1.3	117
85	Sex differences in temporal characteristics of descending inhibitory control: an evaluation using repeated bilateral experimental induction of muscle pain. Pain, 2004, 110, 72-78.	2.0	115
86	Basic aspects of musculoskeletal pain: from acute to chronic pain. Journal of Manual and Manipulative Therapy, 2011, 19, 186-193.	0.7	115
87	The Potential Role of Sensory Testing, Skin Biopsy, and Functional Brain Imaging as Biomarkers in Chronic Pain Clinical Trials: IMMPACT Considerations. Journal of Pain, 2017, 18, 757-777.	0.7	115
88	Experimental human muscle pain and muscular hyperalgesia induced by combinations of serotonin and bradykinin. Pain, 1999, 82, 1-8.	2.0	114
89	Sensory Assessment of Regional Analgesia in Humans. Anesthesiology, 2000, 93, 1517-1530.	1.3	114
90	Sensory-motor interactions of human experimental unilateral jaw muscle pain: a quantitative analysis. Pain, 1996, 64, 241-249.	2.0	113

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91	Stimulusâ€“response functions in areas with experimentally induced referred muscle pain â€” a psychophysical study. Brain Research, 1997, 744, 121-128.	1.1	113
92	Evidence, Mechanisms, and Clinical Implications of Central Hypersensitivity in Chronic Pain After Whiplash Injury. Clinical Journal of Pain, 2004, 20, 469-476.	0.8	113
93	Altered timing of hamstring muscle action in anterior cruciate ligament deficient patients. American Journal of Sports Medicine, 1990, 18, 245-248.	1.9	112
94	Experimentally induced muscle pain induces hypoalgesia in heterotopic deep tissues, but not in homotopic deep tissues. Brain Research, 1998, 787, 203-210.	1.1	112
95	Factor analysis of responses to thermal, electrical, and mechanical painful stimuli supports the importance of multi-modal pain assessment. Pain, 2011, 152, 1146-1155.	2.0	112
96	Mechanical hyperesthesia of human facial skin induced by tonic painful stimulation of jaw muscles. Pain, 1998, 74, 93-100.	2.0	111
97	Sensory and motor effects of experimental muscle pain in patients with lateral epicondylalgia and controls with delayed onset muscle soreness. Pain, 2005, 114, 118-130.	2.0	111
98	Assessing analgesic actions of opioids by experimental pain models in healthy volunteers â€“ an updated review. British Journal of Clinical Pharmacology, 2009, 68, 149-168.	1.1	109
99	Intramuscular and intradermal injection of capsaicin: a comparison of local and referred pain. Pain, 2000, 84, 407-412.	2.0	105
100	Simultaneous recordings of wind-up of paired spinal dorsal horn nociceptive neuron and nociceptive flexion reflex in rats. Brain Research, 2003, 960, 235-245.	1.1	105
101	A human experimental capsaicin model for trigeminal sensitization. Gender-specific differences. Pain, 2005, 118, 155-163.	2.0	104
102	Nerve Growth Factor Signaling and Its Contribution to Pain . Journal of Pain Research, 2020, Volume 13, 1223-1241.	0.8	104
103	A Comparison of Modality-Specific Somatosensory Changes During Menstruation in Dysmenorrheic and Nondysmenorrheic Women. Clinical Journal of Pain, 2002, 18, 180-190.	0.8	103
104	Muscle Pain: Sensory Implications and Interaction With Motor Control. Clinical Journal of Pain, 2008, 24, 291-298.	0.8	103
105	Epidural Epinephrine and ClonidineÂ. Anesthesiology, 1997, 87, 785-794.	1.3	102
106	Increased Pericranial Tenderness, Decreased Pressure Pain Threshold, and Headache Clinical Parameters in Chronic Tension-type Headache Patients. Clinical Journal of Pain, 2007, 23, 346-352.	0.8	101
107	Gut pain and hyperalgesia induced by capsaicin: a human experimental model. Pain, 2003, 104, 333-341.	2.0	98
108	Referred Pain from Muscle Trigger Points in the Masticatory and Neck-Shoulder Musculature in Women With Temporomandibular Disoders. Journal of Pain, 2010, 11, 1295-1304.	0.7	98

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109	Muscle fibre conduction velocity, mean power frequency, mean EMG voltage and force during submaximal fatiguing contractions of human quadriceps. European Journal of Applied Physiology and Occupational Physiology, 1988, 58, 20-25.	1.2	97
110	Multi-modal induction and assessment of allodynia and hyperalgesia in the human oesophagus. European Journal of Pain, 2003, 7, 539-549.	1.4	97
111	Increased pain from muscle fascia following eccentric exercise: animal and human findings. Experimental Brain Research, 2009, 194, 299-308.	0.7	97
112	The Local and Referred Pain From Myofascial Trigger Points in the Temporalis Muscle Contributes to Pain Profile in Chronic Tension-type Headache. Clinical Journal of Pain, 2007, 23, 786-792.	0.8	96
113	Cognitive-emotional sensitization contributes to wind-up-like pain in phantom limb pain patients. Pain, 2011, 152, 157-162.	2.0	96
114	Preoperative Neuropathic Pain-like Symptoms and Central Pain Mechanisms in Knee Osteoarthritis Predicts Poor Outcome 6 Months After Total Knee Replacement Surgery. Journal of Pain, 2018, 19, 1329-1341.	0.7	96
115	Experimental deep tissue pain in wrist extensors-a model of lateral epicondylalgia. European Journal of Pain, 2003, 7, 277-288.	1.4	95
116	Associations between pain and neuromuscular activity in the human jaw and neck muscles. Pain, 2004, 109, 225-232.	2.0	95
117	Chronic Postoperative Pain After Primary and Revision Total Knee Arthroplasty. Clinical Journal of Pain, 2015, 31, 1-6.	0.8	94
118	Experimental jaw-muscle pain does not change heteronymous H-reflexes in the human temporalis muscle. Experimental Brain Research, 1998, 121, 311-318.	0.7	93
119	Preoperative back pain is associated with diverse manifestations of central neuroplasticity. Pain, 2002, 97, 189-194.	2.0	93
120	Facilitated temporal summation of pain correlates with clinical pain intensity after hip arthroplasty. Pain, 2017, 158, 323-332.	2.0	93
121	Pressure pain sensitivity maps of the neck-shoulder and the low back regions in men and women. BMC Musculoskeletal Disorders, 2010, 11, 234.	0.8	92
122	Lower Mechanical Pressure Pain Thresholds in Female Adolescents With Patellofemoral Pain Syndrome. Journal of Orthopaedic and Sports Physical Therapy, 2013, 43, 414-421.	1.7	92
123	Prevalence of and Referred Pain From Myofascial Trigger Points in the Forearm Muscles in Patients With Lateral Epicondylalgia. Clinical Journal of Pain, 2007, 23, 353-360.	0.8	91
124	Accelerated Muscle Fatigability of Latent Myofascial Trigger Points in Humans. Pain Medicine, 2012, 13, 957-964.	0.9	90
125	Central Sensitization in Humans: Assessment and Pharmacology. Handbook of Experimental Pharmacology, 2015, 227, 79-102.	0.9	90
126	Analgesic Efficacy of Peripheral Î¹-Opioid Receptor Agonist CR665 Compared to Oxycodone in a Multi-modal, Multi-tissue Experimental Human Pain Model. Anesthesiology, 2009, 111, 616-624.	1.3	90

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127	The relationship between sensory thresholds and mechanical hyperalgesia in nerve injury. Pain, 1998, 75, 321-329.	2.0	88
128	Muscle coordination following rupture of the anterior cruciate ligament: Electromyographic studies of 14 patients. Acta Orthopaedica, 1991, 62, 9-14.	1.4	86
129	Computer-controlled pneumatic pressure algometry-a new technique for quantitative sensory testing. European Journal of Pain, 2001, 5, 267-277.	1.4	86
130	The Predetermined Sites of Examination for Tender Points in Fibromyalgia Syndrome Are Frequently Associated With Myofascial Trigger Points. Journal of Pain, 2010, 11, 644-651.	0.7	86
131	Ketamine attenuates glutamate-induced mechanical sensitization of the masseter muscle in human males. Experimental Brain Research, 2006, 169, 467-472.	0.7	85
132	Acidic buffer induced muscle pain evokes referred pain and mechanical hyperalgesia in humans. Pain, 2008, 140, 254-264.	2.0	85
133	Event-Related Functional MRI Study on Central Representation of Acute Muscle Pain Induced by Electrical Stimulation. NeuroImage, 2002, 17, 1437-1450.	2.1	84
134	Differential effect of opioids in patients with chronic pancreatitis: An experimental pain study. Scandinavian Journal of Gastroenterology, 2007, 42, 383-390.	0.6	84
135	Induction of muscle cramps by nociceptive stimulation of latent myofascial trigger points. Experimental Brain Research, 2008, 187, 623-629.	0.7	84
136	Spatial summation of heat induced pain within and between dermatomes. Somatosensory & Motor Research, 1997, 14, 119-125.	0.4	83
137	The effects of neckâ€“shoulder pain development on sensoryâ€“motor interactions among female workers in the poultry and fish industries. A prospective study. International Archives of Occupational and Environmental Health, 2003, 76, 39-49.	1.1	82
138	Myofascial Trigger Points in Neck and Shoulder Muscles and Widespread Pressure Pain Hypersensitivtiy in Patients With Postmastectomy Pain. Clinical Journal of Pain, 2010, 26, 798-806.	0.8	81
139	Upper trapezius muscle mechanomyographic and electromyographic activity in humans during low force fatiguing and non-fatiguing contractions. European Journal of Applied Physiology, 2002, 87, 327-336.	1.2	80
140	Temporal summation in muscles and referred pain areas: An experimental human study. , 1997, 20, 1311-1313.		78
141	Quantitative posturography in altered sensory conditions: a way to assess balance instability in patients with chronic whiplash injury. Archives of Physical Medicine and Rehabilitation, 2004, 85, 432-438.	0.5	78
142	The influence of muscle pain and fatigue on the activity of synergistic muscles of the leg. European Journal of Applied Physiology, 2004, 91, 604-614.	1.2	77
143	The predictive value of quantitative sensory testing: a systematic review on chronic postoperative pain and the analgesic effect of pharmacological therapies in patients with chronic pain. Pain, 2021, 162, 31-44.	2.0	77
144	Visceral pain: gender differences in response to experimental and clinical pain. European Journal of Pain, 2004, 8, 465-472.	1.4	76

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145	Referred pain and hyperalgesia in human tendon and muscle belly tissue. Pain, 2006, 120, 113-123.	2.0	76
146	Bilateral Mechanical-Pain Sensitivity Over the Trigeminal Region in Patients With Chronic Mechanical Neck Pain. Journal of Pain, 2010, 11, 256-263.	0.7	76
147	Experimental human muscle pain induced by intramuscular injections of bradykinin, serotonin, and substance P. European Journal of Pain, 1999, 3, 93-102.	1.4	75
148	The inter- and intra-individual variance in descending pain modulation evoked by different conditioning stimuli in healthy men. Scandinavian Journal of Pain, 2011, 2, 162-169.	0.5	75
149	Association Between Experimental Pain Biomarkers and Serologic Markers in Patients With Different Degrees of Painful Knee Osteoarthritis. Arthritis and Rheumatology, 2014, 66, 3317-3326.	2.9	75
150	Experimental muscle pain changes motor control strategies in dynamic contractions. Experimental Brain Research, 2005, 164, 215-224.	0.7	74
151	Spatial and temporal aspects of muscle hyperalgesia induced by nerve growth factor in humans. Experimental Brain Research, 2008, 191, 371-382.	0.7	74
152	Assessing efficacy of nonâ€opioid analgesics in experimental pain models in healthy volunteers: an updated review. British Journal of Clinical Pharmacology, 2009, 68, 322-341.	1.1	73
153	Knee stability and muscle coordination in patients with anterior cruciate ligament injuries: An electromyographic approach. Journal of Electromyography and Kinesiology, 1991, 1, 209-217.	0.7	72
154	Are poor metabolisers of sparteine/debrisoquine less pain tolerant than extensive metabolisers?. Pain, 1993, 53, 335-339.	2.0	72
155	Modulation of exteroceptive suppression periods in human jaw-closing muscles by local and remote experimental muscle pain. Pain, 1999, 82, 253-262.	2.0	72
156	Spatial and temporal aspects of deep tissue pain assessed by cuff algometry. Pain, 2002, 100, 19-26.	2.0	72
157	Nociceptive and Non-nociceptive Hypersensitivity at Latent Myofascial Trigger Points. Clinical Journal of Pain, 2009, 25, 132-137.	0.8	72
158	Ranking of parameters of pain hypersensitivity according to their discriminative ability in chronic low back pain. Pain, 2012, 153, 2083-2091.	2.0	72
159	Conditioned Pain Modulation and Pressure Pain Sensitivity in the Adult Danish General Population: The DanFunD Study. Journal of Pain, 2017, 18, 274-284.	0.7	72
160	The Effect of Age and Gender on Pressure Pain Thresholds and Suprathreshold Stimuli. Perception, 2015, 44, 587-596.	0.5	71
161	The hypoalgesic effect of imipramine in different human experimental pain models. Pain, 1995, 60, 287-293.	2.0	70
162	Latent Myofascial Trigger Points Are Associated With an Increased Intramuscular Electromyographic Activity During Synergistic Muscle Activation. Journal of Pain, 2014, 15, 181-187.	0.7	70

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163	Induction and assessment of muscle pain, referred pain, and muscular hyperalgesia. Current Pain and Headache Reports, 2003, 7, 443-451.	1.3	69
164	Bilateral hand/wrist heat and cold hyperalgesia, but not hypoesthesia, in unilateral carpal tunnel syndrome. Experimental Brain Research, 2009, 198, 455-463.	0.7	69
165	Attenuated Skin Blood Flow Response to Nociceptive Stimulation of Latent Myofascial Trigger Points. Archives of Physical Medicine and Rehabilitation, 2009, 90, 325-332.	0.5	69
166	Botulinum neurotoxin type A (BoNTA) decreases the mechanical sensitivity of nociceptors and inhibits neurogenic vasodilation in a craniofacial muscle targeted for migraine prophylaxis. Pain, 2010, 151, 606-616.	2.0	69
167	Alloknesis and hyperknesisâ€"mechanisms, assessment methodology, and clinical implications of itch sensitization. Pain, 2018, 159, 1185-1197.	2.0	69
168	Spatial and temporal summation of pain evoked by mechanical pressure stimulation. European Journal of Pain, 2009, 13, 592-599.	1.4	68
169	Low pressure pain thresholds are associated with, but does not predispose for, low back pain. European Spine Journal, 2011, 20, 2120-2125.	1.0	68
170	The analgesic effect of codeine as compared to imipramine in different human experimental pain models. Pain, 2001, 92, 277-282.	2.0	67
171	Effects of localization and intensity of experimental muscle pain on ankle joint proprioception. European Journal of Pain, 2002, 6, 245-260.	1.4	67
172	Experimental muscle pain does not cause long-lasting increases in resting electromyographic activity. , 1998, 21, 1382-1389.		66
173	Effect of experimental pain from trigeminal muscle and skin on motor cortex excitability in humans. Brain Research, 2000, 882, 120-127.	1.1	66
174	Experimental muscle pain reduces initial motor unit discharge rates during sustained submaximal contractions. Journal of Applied Physiology, 2005, 98, 999-1005.	1.2	66
175	Effects of subcutaneous administration of glutamate on pain, sensitization and vasomotor responses in healthy men and women. Pain, 2006, 124, 338-348.	2.0	66
176	Dysmenorrhoea is associated with hypersensitivity in the sigmoid colon and rectum. Pain, 2007, 132, S46-S51.	2.0	66
177	Sensory changes during the ovulatory phase of the menstrual cycle in healthy women. European Journal of Pain, 2001, 5, 135-144.	1.4	65
178	Trigger Points in Patients with Lower Limb Osteoarthritis. Journal of Musculoskeletal Pain, 2001, 9, 17-33.	0.3	65
179	Experimental pain by ischaemic contractions compared with pain by intramuscular infusions of adenosine and hypertonic saline. European Journal of Pain, 2003, 7, 93-102.	1.4	65
180	Computerized cuff pressure algometry: A new method to assess deep-tissue hypersensitivity in fibromyalgia. Pain, 2007, 131, 57-62.	2.0	65

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