

Lars Arendt-Nielsen

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512
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526
ext. papers

31,162
ext. citations

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L-index

#	Paper	IF	Citations
512	Studying sex and gender differences in pain and analgesia: a consensus report. <i>Pain</i> , 2007 , 132 Suppl 1, S26-S45	8	650
511	Sensitization in patients with painful knee osteoarthritis. <i>Pain</i> , 2010 , 149, 573-581	8	646
510	Experimental and clinical applications of quantitative sensory testing applied to skin, muscles and viscera. <i>Journal of Pain</i> , 2009 , 10, 556-72	5.2	345
509	A Randomized, Controlled Trial of Total Knee Replacement. <i>New England Journal of Medicine</i> , 2015 , 373, 1597-606	59.2	336
508	Evidence for spinal cord hypersensitivity in chronic pain after whiplash injury and in fibromyalgia. <i>Pain</i> , 2004 , 107, 7-15	8	326
507	Assessment of mechanisms in localized and widespread musculoskeletal pain. <i>Nature Reviews Rheumatology</i> , 2010 , 6, 599-606	8.1	316
506	The hypoalgesic effect of tramadol in relation to CYP2D6. <i>Clinical Pharmacology and Therapeutics</i> , 1996 , 60, 636-44	6.1	303
505	Inhibition of motor system excitability at cortical and spinal level by tonic muscle pain. <i>Clinical Neurophysiology</i> , 2001 , 112, 1633-41	4.3	296
504	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	8	288
503	Ketamine reduces muscle pain, temporal summation, and referred pain in fibromyalgia patients. <i>Pain</i> , 2000 , 85, 483-491	8	286
502	Age effects on pain thresholds, temporal summation and spatial summation of heat and pressure pain. <i>Pain</i> , 2005 , 115, 410-418	8	263
501	Central hypersensitivity in chronic pain after whiplash injury. <i>Clinical Journal of Pain</i> , 2001 , 17, 306-15	3.5	259
500	Osteoarthritis and its association with muscle hyperalgesia: an experimental controlled study. <i>Pain</i> , 2001 , 93, 107-114	8	240
499	Generalised muscular hyperalgesia in chronic whiplash syndrome. <i>Pain</i> , 1999 , 83, 229-34	8	236
498	The effect of ketamine on phantom pain: a central neuropathic disorder maintained by peripheral input. <i>Pain</i> , 1996 , 67, 69-77	8	234
497	Electrophysiological and psychophysical quantification of temporal summation in the human nociceptive system. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1994 , 68, 266-73		216
496	Generalized deep-tissue hyperalgesia in patients with chronic low-back pain. <i>European Journal of Pain</i> , 2007 , 11, 415-20	3.7	210

495	Sex-related differences in human pain and rat afferent discharge evoked by injection of glutamate into the masseter muscle. <i>Journal of Neurophysiology</i> , 2001 , 86, 782-91	3.2	198
494	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, 2098-105	3.2	189
493	Injection of nerve growth factor into human masseter muscle evokes long-lasting mechanical allodynia and hyperalgesia. <i>Pain</i> , 2003 , 104, 241-7	8	179
492	Patient phenotyping in clinical trials of chronic pain treatments: IMMPACT recommendations. <i>Pain</i> , 2016 , 157, 1851-1871	8	178
491	Inhibition of maximal voluntary contraction force by experimental muscle pain: a centrally mediated mechanism. <i>Muscle and Nerve</i> , 2002 , 26, 708-12	3.4	169
490	The change in spatial distribution of upper trapezius muscle activity is correlated to contraction duration. <i>Journal of Electromyography and Kinesiology</i> , 2008 , 18, 16-25	2.5	165
489	Presurgical assessment of temporal summation of pain predicts the development of chronic postoperative pain 12 months after total knee replacement. <i>Pain</i> , 2015 , 156, 55-61	8	162
488	Quantification of local and referred muscle pain in humans after sequential i.m. injections of hypertonic saline. <i>Pain</i> , 1997 , 69, 111-7	8	162
487	Effect of experimental muscle pain on motor unit firing rate and conduction velocity. <i>Journal of Neurophysiology</i> , 2004 , 91, 1250-9	3.2	157
486	Endometriosis is associated with central sensitization: a psychophysical controlled study. <i>Journal of Pain</i> , 2003 , 4, 372-80	5.2	155
485	Sensory abnormalities in consecutive, unselected patients with central post-stroke pain. <i>Pain</i> , 1995 , 61, 177-186	8	155
484	Glutamate-evoked pain and mechanical allodynia in the human masseter muscle. <i>Pain</i> , 2003 , 101, 221-228		152
483	Codeine increases pain thresholds to copper vapor laser stimuli in extensive but not poor metabolizers of sparteine. <i>Clinical Pharmacology and Therapeutics</i> , 1990 , 48, 686-93	6.1	149
482	The analgesic effect of oral delta-9-tetrahydrocannabinol (THC), morphine, and a THC-morphine combination in healthy subjects under experimental pain conditions. <i>Pain</i> , 2003 , 105, 79-88	8	148
481	Central sensitization in fibromyalgia and other musculoskeletal disorders. <i>Current Pain and Headache Reports</i> , 2003 , 7, 355-61	4.2	143
480	Changes in the degree of motor variability associated with experimental and chronic neck-shoulder pain during a standardised repetitive arm movement. <i>Experimental Brain Research</i> , 2008 , 185, 689-98	2.3	142
479	Referred muscle pain: basic and clinical findings. <i>Clinical Journal of Pain</i> , 2001 , 17, 11-9	3.5	139
478	Psychophysical examination in patients with post-mastectomy pain. <i>Pain</i> , 2000 , 87, 275-284	8	133

477	Patients with chronic pain after abdominal surgery show less preoperative endogenous pain inhibition and more postoperative hyperalgesia: a pilot study. <i>Journal of Pain and Palliative Care Pharmacotherapy</i> , 2010 , 24, 119-28	0.8	131
476	Bilateral widespread mechanical pain sensitivity in women with myofascial temporomandibular disorder: evidence of impairment in central nociceptive processing. <i>Journal of Pain</i> , 2009 , 10, 1170-8	5.2	131
475	Widespread mechanical pain hypersensitivity as sign of central sensitization in unilateral epicondylalgia: a blinded, controlled study. <i>Clinical Journal of Pain</i> , 2009 , 25, 555-61	3.5	131
474	Association of Joint Inflammation With Pain Sensitization in Knee Osteoarthritis: The Multicenter Osteoarthritis Study. <i>Arthritis and Rheumatology</i> , 2016 , 68, 654-61	9.5	131
473	Peripheral and central sensitization in musculoskeletal pain disorders: an experimental approach. <i>Current Rheumatology Reports</i> , 2002 , 4, 313-21	4.9	130
472	Reference values of mechanical and thermal pain tests in a pain-free population. <i>European Journal of Pain</i> , 2011 , 15, 376-83	3.7	127
471	Subcutaneous Botulinum toxin type A reduces capsaicin-induced trigeminal pain and vasomotor reactions in human skin. <i>Pain</i> , 2009 , 141, 60-9	8	127
470	Contact heat evoked potentials as a valid means to study nociceptive pathways in human subjects. <i>Neuroscience Letters</i> , 2001 , 316, 79-82	3.3	127
469	A comparative study of oxycodone and morphine in a multi-modal, tissue-differentiated experimental pain model. <i>Pain</i> , 2006 , 123, 28-36	8	125
468	Bilateral widespread mechanical pain sensitivity in carpal tunnel syndrome: evidence of central processing in unilateral neuropathy. <i>Brain</i> , 2009 , 132, 1472-9	11.2	124
467	Shoulder muscle co-ordination during chronic and acute experimental neck-shoulder pain. An occupational pain study. <i>European Journal of Applied Physiology</i> , 1999 , 79, 127-40	3.4	124
466	Central hypersensitivity in chronic pain: mechanisms and clinical implications. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2006 , 17, 287-302	2.3	123
465	Chronic phantom limb pain: the effects of calcitonin, ketamine, and their combination on pain and sensory thresholds. <i>Anesthesia and Analgesia</i> , 2008 , 106, 1265-73, table of contents	3.9	122
464	Plasticity in corticomotor control of the human tongue musculature induced by tongue-task training. <i>Experimental Brain Research</i> , 2003 , 152, 42-51	2.3	122
463	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, 137-43	8	120
462	Modulation of central hypersensitivity by nociceptive input in chronic pain after whiplash injury. <i>Pain Medicine</i> , 2004 , 5, 366-76	2.8	119
461	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, 469-78	3.4	118
460	Inhibition of motor unit firing during experimental muscle pain in humans. <i>Muscle and Nerve</i> , 2000 , 23, 1219-26	3.4	117

459	The effects of Botulinum Toxin type A on capsaicin-evoked pain, flare, and secondary hyperalgesia in an experimental human model of trigeminal sensitization. <i>Pain</i> , 2006 , 122, 315-325	8	116
458	Health related quality of life and quantitative pain measurement in females with chronic non-malignant pain. <i>European Journal of Pain</i> , 2005 , 9, 267-75	3.7	116
457	Muscle trigger points and pressure pain hyperalgesia in the shoulder muscles in patients with unilateral shoulder impingement: a blinded, controlled study. <i>Experimental Brain Research</i> , 2010 , 202, 915-25	2.3	115
456	The effect of cutaneous and deep pain on the electroencephalogram during sleep--an experimental study. <i>Sleep</i> , 1997 , 20, 632-40	1.1	115
455	Temporal summation of pain evoked by mechanical stimulation in deep and superficial tissue. <i>Journal of Pain</i> , 2005 , 6, 348-55	5.2	115
454	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	3	113
453	Sensitivity and sensitisation in relation to pain severity in knee osteoarthritis: trait or state?. <i>Annals of the Rheumatic Diseases</i> , 2015 , 74, 682-8	2.4	112
452	Differences between opioids: pharmacological, experimental, clinical and economical perspectives. <i>British Journal of Clinical Pharmacology</i> , 2013 , 75, 60-78	3.8	112
451	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		111
450	The effects of intra-oral pain on motor cortex neuroplasticity associated with short-term novel tongue-protrusion training in humans. <i>Pain</i> , 2007 , 132, 169-78	8	111
449	Experimental muscle pain increases the human stretch reflex. <i>Pain</i> , 1998 , 75, 331-9	8	108
448	Experimental muscle pain changes the spatial distribution of upper trapezius muscle activity during sustained contraction. <i>Clinical Neurophysiology</i> , 2006 , 117, 2436-45	4.3	108
447	Referred pain as an indicator for neural plasticity. <i>Progress in Brain Research</i> , 2000 , 129, 343-56	2.9	108
446	The effect of pre- versus postinjury infiltration with lidocaine on thermal and mechanical hyperalgesia after heat injury to the skin. <i>Pain</i> , 1993 , 53, 43-51	8	108
445	Contribution of the local and referred pain from active myofascial trigger points in fibromyalgia syndrome. <i>Pain</i> , 2009 , 147, 233-40	8	107
444	Experimental muscle pain impairs descending inhibition. <i>Pain</i> , 2008 , 140, 465-471	8	107
443	Stimulus-response functions in areas with experimentally induced referred muscle pain--a psychophysical study. <i>Brain Research</i> , 1997 , 744, 121-8	3.7	106
442	Assessment of musculoskeletal pain sensitivity and temporal summation by cuff pressure algometry: a reliability study. <i>Pain</i> , 2015 , 156, 2193-2202	8	105

441	Referred pain from trapezius muscle trigger points shares similar characteristics with chronic tension type headache. <i>European Journal of Pain</i> , 2007 , 11, 475-82	3.7	105
440	The analgesic effect of tramadol after intravenous injection in healthy volunteers in relation to CYP2D6. <i>Anesthesia and Analgesia</i> , 2006 , 102, 146-50	3.9	104
439	Modulation of remifentanyl-induced analgesia, hyperalgesia, and tolerance by small-dose ketamine in humans. <i>Anesthesia and Analgesia</i> , 2003 , 96, 726-732	3.9	104
438	Sex differences in temporal characteristics of descending inhibitory control: an evaluation using repeated bilateral experimental induction of muscle pain. <i>Pain</i> , 2004 , 110, 72-8	8	103
437	Experimental human muscle pain and muscular hyperalgesia induced by combinations of serotonin and bradykinin. <i>Pain</i> , 1999 , 82, 1-8	8	102
436	Experimentally induced muscle pain induces hypoalgesia in heterotopic deep tissues, but not in homotopic deep tissues. <i>Brain Research</i> , 1998 , 787, 203-10	3.7	101
435	Topographical mapping and mechanical pain sensitivity of myofascial trigger points in the infraspinatus muscle. <i>European Journal of Pain</i> , 2008 , 12, 859-65	3.7	101
434	Painful and non-painful pressure sensations from human skeletal muscle. <i>Experimental Brain Research</i> , 2004 , 159, 273-83	2.3	101
433	Facilitation of the withdrawal reflex by repeated transcutaneous electrical stimulation: an experimental study on central integration in humans. <i>European Journal of Applied Physiology</i> , 2000 , 81, 165-73	3.4	101
432	Widespread sensitization in patients with chronic pain after revision total knee arthroplasty. <i>Pain</i> , 2013 , 154, 1588-1594	8	100
431	Altered Central Sensitization and Pain Modulation in the CNS in Chronic Joint Pain. <i>Current Osteoporosis Reports</i> , 2015 , 13, 225-34	5.4	99
430	Translational musculoskeletal pain research. <i>Best Practice and Research in Clinical Rheumatology</i> , 2011 , 25, 209-26	5.3	98
429	Mechanical hyperesthesia of human facial skin induced by tonic painful stimulation of jaw muscles. <i>Pain</i> , 1998 , 74, 93-100	8	98
428	Evidence, mechanisms, and clinical implications of central hypersensitivity in chronic pain after whiplash injury. <i>Clinical Journal of Pain</i> , 2004 , 20, 469-76	3.5	98
427	The effect of Ketamine on stimulation of primary and secondary hyperalgesic areas induced by capsaicin—a double-blind, placebo-controlled, human experimental study. <i>Pain</i> , 1996 , 66, 51-62	8	98
426	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	8	98
425	Oxycodone: a review of its use in the management of pain. <i>Current Medical Research and Opinion</i> , 2008 , 24, 175-92	2.5	97
424	Altered timing of hamstring muscle action in anterior cruciate ligament deficient patients. <i>American Journal of Sports Medicine</i> , 1990 , 18, 245-8	6.8	97

4 ²³	Sensory assessment of regional analgesia in humans: a review of methods and applications. <i>Anesthesiology</i> , 2000 , 93, 1517-30	4.3	96
4 ²²	Latent myofascial trigger points. <i>Current Pain and Headache Reports</i> , 2011 , 15, 386-92	4.2	95
4 ²¹	Sustained nociceptive mechanical stimulation of latent myofascial trigger point induces central sensitization in healthy subjects. <i>Journal of Pain</i> , 2010 , 11, 1348-55	5.2	94
4 ²⁰	Epidural epinephrine and clonidine: segmental analgesia and effects on different pain modalities. <i>Anesthesiology</i> , 1997 , 87, 785-94	4.3	94
4 ¹⁹	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, 118-30	8	94
4 ¹⁸	Factor analysis of responses to thermal, electrical, and mechanical painful stimuli supports the importance of multi-modal pain assessment. <i>Pain</i> , 2011 , 152, 1146-1155	8	93
4 ¹⁷	Sensory-motor interactions of human experimental unilateral jaw muscle pain: a quantitative analysis. <i>Pain</i> , 1996 , 64, 241-249	8	93
4 ¹⁶	A human experimental capsaicin model for trigeminal sensitization. Gender-specific differences. <i>Pain</i> , 2005 , 118, 155-63	8	91
4 ¹⁵	Simultaneous recordings of wind-up of paired spinal dorsal horn nociceptive neuron and nociceptive flexion reflex in rats. <i>Brain Research</i> , 2003 , 960, 235-45	3.7	91
4 ¹⁴	Assessing analgesic actions of opioids by experimental pain models in healthy volunteers - an updated review. <i>British Journal of Clinical Pharmacology</i> , 2009 , 68, 149-68	3.8	90
4 ¹³	Multi-modal induction and assessment of allodynia and hyperalgesia in the human oesophagus. <i>European Journal of Pain</i> , 2003 , 7, 539-49	3.7	89
4 ¹²	Experimental jaw-muscle pain does not change heteronymous H-reflexes in the human temporalis muscle. <i>Experimental Brain Research</i> , 1998 , 121, 311-8	2.3	88
4 ¹¹	Muscle pain: sensory implications and interaction with motor control. <i>Clinical Journal of Pain</i> , 2008 , 24, 291-8	3.5	88
4 ¹⁰	Gut pain and hyperalgesia induced by capsaicin: a human experimental model. <i>Pain</i> , 2003 , 104, 333-41	8	88
4 ⁰⁹	Intramuscular and intradermal injection of capsaicin: a comparison of local and referred pain. <i>Pain</i> , 2000 , 84, 407-12	8	88
4 ⁰⁸	Associations between pain and neuromuscular activity in the human jaw and neck muscles. <i>Pain</i> , 2004 , 109, 225-232	8	87
4 ⁰⁷	A comparison of modality-specific somatosensory changes during menstruation in dysmenorrheic and nondysmenorrheic women. <i>Clinical Journal of Pain</i> , 2002 , 18, 180-90	3.5	86
4 ⁰⁶	The local and referred pain from myofascial trigger points in the temporalis muscle contributes to pain profile in chronic tension-type headache. <i>Clinical Journal of Pain</i> , 2007 , 23, 786-92	3.5	84

405	Experimental deep tissue pain in wrist extensors--a model of lateral epicondylalgia. <i>European Journal of Pain</i> , 2003 , 7, 277-88	3.7	84
404	Lower mechanical pressure pain thresholds in female adolescents with patellofemoral pain syndrome. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2013 , 43, 414-21	4.2	81
403	Prevalence of and referred pain from myofascial trigger points in the forearm muscles in patients with lateral epicondylalgia. <i>Clinical Journal of Pain</i> , 2007 , 23, 353-60	3.5	81
402	The Potential Role of Sensory Testing, Skin Biopsy, and Functional Brain Imaging as Biomarkers in Chronic Pain Clinical Trials: IMMPACT Considerations. <i>Journal of Pain</i> , 2017 , 18, 757-777	5.2	80
401	Ketamine attenuates glutamate-induced mechanical sensitization of the masseter muscle in human males. <i>Experimental Brain Research</i> , 2006 , 169, 467-72	2.3	80
400	Increased pericranial tenderness, decreased pressure pain threshold, and headache clinical parameters in chronic tension-type headache patients. <i>Clinical Journal of Pain</i> , 2007 , 23, 346-52	3.5	80
399	Analgesic efficacy of peripheral kappa-opioid receptor agonist CR665 compared to oxycodone in a multi-modal, multi-tissue experimental human pain model: selective effect on visceral pain. <i>Anesthesiology</i> , 2009 , 111, 616-24	4.3	80
398	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, 644-51	5.2	79
397	Referred pain from muscle trigger points in the masticatory and neck-shoulder musculature in women with temporomandibular disorders. <i>Journal of Pain</i> , 2010 , 11, 1295-304	5.2	79
396	Computer-controlled pneumatic pressure algometry--a new technique for quantitative sensory testing. <i>European Journal of Pain</i> , 2001 , 5, 267-77	3.7	79
395	Muscle fibre conduction velocity, mean power frequency, mean EMG voltage and force during submaximal fatiguing contractions of human quadriceps. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1988 , 58, 20-5		79
394	Basic aspects of musculoskeletal pain: from acute to chronic pain. <i>Journal of Manual and Manipulative Therapy</i> , 2011 , 19, 186-93	1.6	78
393	Pressure pain sensitivity maps of the neck-shoulder and the low back regions in men and women. <i>BMC Musculoskeletal Disorders</i> , 2010 , 11, 234	2.8	78
392	Differential effect of opioids in patients with chronic pancreatitis: an experimental pain study. <i>Scandinavian Journal of Gastroenterology</i> , 2007 , 42, 383-90	2.4	78
391	Cognitive-emotional sensitization contributes to wind-up-like pain in phantom limb pain patients. <i>Pain</i> , 2011 , 152, 157-162	8	77
390	Increased pain from muscle fascia following eccentric exercise: animal and human findings. <i>Experimental Brain Research</i> , 2009 , 194, 299-308	2.3	77
389	Muscle coordination following rupture of the anterior cruciate ligament. Electromyographic studies of 14 patients. <i>Acta Orthopaedica</i> , 1991 , 62, 9-14		76
388	The effects of neck-shoulder pain development on sensory-motor interactions among female workers in the poultry and fish industries. A prospective study. <i>International Archives of Occupational and Environmental Health</i> , 2003 , 76, 39-49	3.2	75

387	Event-related functional MRI study on central representation of acute muscle pain induced by electrical stimulation. <i>NeuroImage</i> , 2002 , 17, 1437-50	7.9	75
386	Preoperative back pain is associated with diverse manifestations of central neuroplasticity. <i>Pain</i> , 2002 , 97, 189-194	8	75
385	Accelerated muscle fatigability of latent myofascial trigger points in humans. <i>Pain Medicine</i> , 2012 , 13, 957-64	2.8	74
384	The relationship between sensory thresholds and mechanical hyperalgesia in nerve injury. <i>Pain</i> , 1998 , 75, 321-9	8	73
383	Induction of muscle cramps by nociceptive stimulation of latent myofascial trigger points. <i>Experimental Brain Research</i> , 2008 , 187, 623-9	2.3	73
382	Spatial summation of heat induced pain within and between dermatomes. <i>Somatosensory & Motor Research</i> , 1997 , 14, 119-25	1.2	71
381	Acidic buffer induced muscle pain evokes referred pain and mechanical hyperalgesia in humans. <i>Pain</i> , 2008 , 140, 254-264	8	71
380	Upper trapezius muscle mechanomyographic and electromyographic activity in humans during low force fatiguing and non-fatiguing contractions. <i>European Journal of Applied Physiology</i> , 2002 , 87, 327-36 ³⁻⁴	3.4	71
379	Temporal summation in muscles and referred pain areas: an experimental human study. <i>Muscle and Nerve</i> , 1997 , 20, 1311-3	3.4	70
378	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, 604-14	3.4	70
377	Quantitative posturography in altered sensory conditions: a way to assess balance instability in patients with chronic whiplash injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004 , 85, 432-8	2.8	67
376	Central sensitization in humans: assessment and pharmacology. <i>Handbook of Experimental Pharmacology</i> , 2015 , 227, 79-102	3.2	66
375	Experimental muscle pain changes motor control strategies in dynamic contractions. <i>Experimental Brain Research</i> , 2005 , 164, 215-24	2.3	66
374	Association between experimental pain biomarkers and serologic markers in patients with different degrees of painful knee osteoarthritis. <i>Arthritis and Rheumatology</i> , 2014 , 66, 3317-26	9.5	65
373	Bilateral mechanical-pain sensitivity over the trigeminal region in patients with chronic mechanical neck pain. <i>Journal of Pain</i> , 2010 , 11, 256-63	5.2	65
372	Assessing efficacy of non-opioid analgesics in experimental pain models in healthy volunteers: an updated review. <i>British Journal of Clinical Pharmacology</i> , 2009 , 68, 322-41	3.8	65
371	Spatial and temporal aspects of deep tissue pain assessed by cuff algometry. <i>Pain</i> , 2002 , 100, 19-26	8	65
370	Experimental human muscle pain induced by intramuscular injections of bradykinin, serotonin, and substance P. <i>European Journal of Pain</i> , 1999 , 3, 93-102	3.7	65

369	Spatial and temporal aspects of muscle hyperalgesia induced by nerve growth factor in humans. <i>Experimental Brain Research</i> , 2008 , 191, 371-82	2.3	64
368	Are poor metabolisers of sparteine/debrisoquine less pain tolerant than extensive metabolisers?. <i>Pain</i> , 1993 , 53, 335-339	8	64
367	Referred pain and hyperalgesia in human tendon and muscle belly tissue. <i>Pain</i> , 2006 , 120, 113-123	8	63
366	Modulation of exteroceptive suppression periods in human jaw-closing muscles by local and remote experimental muscle pain. <i>Pain</i> , 1999 , 82, 253-262	8	63
365	Knee stability and muscle coordination in patients with anterior cruciate ligament injuries: An electromyographic approach. <i>Journal of Electromyography and Kinesiology</i> , 1991 , 1, 209-17	2.5	63
364	Chronic postoperative pain after primary and revision total knee arthroplasty. <i>Clinical Journal of Pain</i> , 2015 , 31, 1-6	3.5	62
363	Nociceptive and non-nociceptive hypersensitivity at latent myofascial trigger points. <i>Clinical Journal of Pain</i> , 2009 , 25, 132-7	3.5	62
362	Myofascial trigger points in neck and shoulder muscles and widespread pressure pain hypersensitivity in patients with postmastectomy pain: evidence of peripheral and central sensitization. <i>Clinical Journal of Pain</i> , 2010 , 26, 798-806	3.5	62
361	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	3.7	62
360	Multi-modal and tissue-differentiated experimental pain assessment: reproducibility of a new concept for assessment of analgesics. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2006 , 98, 201-11	3.1	61
359	The inter- and intra-individual variance in descending pain modulation evoked by different conditioning stimuli in healthy men. <i>Scandinavian Journal of Pain</i> , 2011 , 2, 162-169	1.9	60
358	Visceral pain: gender differences in response to experimental and clinical pain. <i>European Journal of Pain</i> , 2004 , 8, 465-72	3.7	60
357	Effects of localization and intensity of experimental muscle pain on ankle joint proprioception. <i>European Journal of Pain</i> , 2002 , 6, 245-60	3.7	60
356	Experimental muscle pain reduces initial motor unit discharge rates during sustained submaximal contractions. <i>Journal of Applied Physiology</i> , 2005 , 98, 999-1005	3.7	60
355	The analgesic effect of codeine as compared to imipramine in different human experimental pain models. <i>Pain</i> , 2001 , 92, 277-82	8	60
354	Experimental muscle pain does not cause long-lasting increases in resting electromyographic activity. <i>Muscle and Nerve</i> , 1998 , 21, 1382-9	3.4	59
353	Dysmenorrhoea is associated with hypersensitivity in the sigmoid colon and rectum. <i>Pain</i> , 2007 , 132 Suppl 1, S46-S51	8	59
352	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, 1558-65	4.3	59

351	Attenuated skin blood flow response to nociceptive stimulation of latent myofascial trigger points. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009 , 90, 325-32	2.8	58
350	Induction and assessment of muscle pain, referred pain, and muscular hyperalgesia. <i>Current Pain and Headache Reports</i> , 2003 , 7, 443-51	4.2	58
349	Facilitated temporal summation of pain correlates with clinical pain intensity after hip arthroplasty. <i>Pain</i> , 2017 , 158, 323-332	8	58
348	Latent myofascial trigger points are associated with an increased intramuscular electromyographic activity during synergistic muscle activation. <i>Journal of Pain</i> , 2014 , 15, 181-7	5.2	57
347	Ranking of parameters of pain hypersensitivity according to their discriminative ability in chronic low back pain. <i>Pain</i> , 2012 , 153, 2083-2091	8	57
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19	Development of a bedside tool-kit for assessing sensitization in patients with chronic osteoarthritis knee pain or chronic knee pain after total knee replacement. <i>Pain</i> , 2021 ,	8	1
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