Lene Baad-Hansen

List of Publications by Year
in descending order

126 papers	3,600 citations	136950 32 h-index	161849 54 g-index
130 all docs	130 docs citations	130 times ranked	2273 citing authors

#	Article	IF	Citations
1	International Classification of Orofacial Pain, 1st edition (ICOP). Cephalalgia, 2020, 40, 129-221.	3.9	374
2	Relationships between craniofacial pain and bruxism*. Journal of Oral Rehabilitation, 2008, 35, 524-547.	3.0	163
3	Reliability of intraoral quantitative sensory testing (QST). Pain, 2010, 148, 220-226.	4.2	151
4	Guidelines and recommendations for assessment of somatosensory function in oro-facial pain conditions - a taskforce report. Journal of Oral Rehabilitation, 2011, 38, 366-394.	3.0	147
5	Atypical odontalgia â€“ pathophysiology and clinical management. Journal of Oral Rehabilitation, 2008, 35, 1-11.	3.0	107
6	Neuropathic orofacial pain: Facts and fiction. Cephalalgia, 2017, 37, 670-679.	3.9	92
7	Intraoral somatosensory abnormalities in patients with atypical odontalgiaâ€”a controlled multicenter quantitative sensory testing study. Pain, 2013, 154, 1287-1294.	4.2	86
8	An update on pathophysiological mechanisms related to idiopathic oroâ€facial pain conditions with implications for management. Journal of Oral Rehabilitation, 2015, 42, 300-322.	3.0	79
9	Lack of sex differences in modulation of experimental intraoral pain by diffuse noxious inhibitory controls (DNIC). Pain, 2005, 116, 359-365.	4.2	75
10	Hypnosis in the management of persistent idiopathic orofacial pain â€“ Clinical and psychosocial findings. Pain, 2008, 136, 44-52.	4.2	71
11	Effect of Systemic Monosodium Glutamate (MSG) on Headache and Pericranial Muscle Sensitivity. Cephalalgia, 2010, 30, 68-76.	3.9	67
12	To what extent is bruxism associated with musculoskeletal signs and symptoms? A systematic review. Journal of Oral Rehabilitation, 2019, 46, 845-861.	3.0	67
13	Conditioned pain modulation in temporomandibular disorders (TMD) pain patients. Experimental Brain Research, 2014, 232, 3111-3119.	1.5	63
14	Chairside Intraoral Qualitative Somatosensory Testing: Reliability and Comparison Between Patients with Atypical Odontalgia andâ€Healthy Controls. Journal of Orofacial Pain, 2013, 27, 165-170.	1.7	57
15	Blink reflexes in patients with atypical odontalgia and matched healthy controls. Experimental Brain Research, 2006, 172, 498-506.	1.5	56
16	Craniofacial Pain and Jaw-muscle Activity during Sleep. Journal of Dental Research, 2012, 91, 562-567.	5.2	53
17	Somatosensory assessment and conditioned pain modulation in temporomandibular disorders pain patients. Pain, 2015, 156, 2545-2555.	4.2	53
18	Differential effect of intravenous S -ketamine and fentanyl on atypical odontalgia and capsaicin-evoked pain. Pain, 2007, 129, 46-54.	4.2	52

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19	Effect of a nociceptive trigeminal inhibitory splint on electromyographic activity in jaw closing muscles during sleep. Journal of Oral Rehabilitation, 2007, 34, 105-111.	3.0	49
20	Measurement of dynamic bite force during mastication. Journal of Oral Rehabilitation, 2012, 39, 349-356.	3.0	48
21	Selfâ€management programmes in temporomandibular disorders: results from an international ‹scp›D‹/scp›elphi process. Journal of Oral Rehabilitation, 2016, 43, 929-936.	3.0	48
22	Repeated tongue lift movement induces neuroplasticity in corticomotor control of tongue and jaw muscles in humans. Brain Research, 2015, 1627, 70-79.	2.2	46
23	Training-induced cortical plasticity compared between three tongue-training paradigms. Neuroscience, 2013, 246, 1-12.	2.3	44
24	Diagnostic validity of self-reported measures of sleep bruxism using an ambulatory single-channel EMG device. Journal of Prosthodontic Research, 2016, 60, 250-257.	2.8	43
25	Comparison of clinical findings and psychosocial factors in patients with atypical odontalgia and temporomandibular disorders. Journal of Orofacial Pain, 2008, 22, 7-14.	1.7	43
26	Headache and mechanical sensitization of human pericranial muscles after repeated intake of monosodium glutamate (MSG). Journal of Headache and Pain, 2013, 14, 2.	6.0	42
27	Repeated clenching causes plasticity in corticomotor control of jaw muscles. European Journal of Oral Sciences, 2014, 122, 42-48.	1.5	42
28	New Palpometer with Implications for Assessment of Deep Pain Sensitivity. Journal of Dental Research, 2011, 90, 918-922.	5.2	40
29	Effect of contingent electrical stimulation on jaw muscle activity during sleep: A pilot study with a randomized controlled trial design. Acta Odontologica Scandinavica, 2013, 71, 1050-1062.	1.6	38
30	Reliability of intraâ€oral quantitative sensory testing (‹scp›QST‹/scp›) in patients with atypical odontalgia and healthy controls â€“ a multicentre study. Journal of Oral Rehabilitation, 2015, 42, 127-135.	3.0	36
31	Effect of experimental jaw muscle pain on dynamic bite force during mastication. Archives of Oral Biology, 2015, 60, 256-266.	1.8	35
32	Assessment of sleep parameters during contingent electrical stimulation in subjects with jaw muscle activity during sleep: a polysomnographic study. European Journal of Oral Sciences, 2011, 119, 211-218.	1.5	32
33	Benefits of implementing pain-related disability and psychological assessment in dental practice for patients with temporomandibular pain and other oral health conditions. Journal of the American Dental Association, 2018, 149, 422-431.	1.5	31
34	Tongue-Controlled Computer Game: A New Approach for Rehabilitation of Tongue Motor Function. Archives of Physical Medicine and Rehabilitation, 2014, 95, 524-530.	0.9	30
35	Optimization of jaw muscle activity and fine motor control during repeated biting tasks. Archives of Oral Biology, 2014, 59, 1342-1351.	1.8	29
36	A study on variability of quantitative sensory testing in healthy participants and painful temporomandibular disorder patients. Somatosensory & Motor Research, 2014, 31, 62-71.	0.9	28

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37	Effects of experimental craniofacial pain on fine jaw motor control: a placebo-controlled double-blinded study. Experimental Brain Research, 2015, 233, 1745-1759.	1.5	28
38	Effect of conditioned pain modulation on trigeminal somatosensory function evaluated by quantitative sensory testing. Pain, 2013, 154, 2684-2690.	4.2	27
39	Overview on tools and methods to assess neuropathic trigeminal pain. Journal of Orofacial Pain, 2004, 18, 332-8.	1.7	27
40	Intraâ€cortical excitability in healthy human subjects after tongue training. Journal of Oral Rehabilitation, 2009, 36, 427-434.	3.0	26
41	Influence of visual feedback on forceâ€“EMG curves from spinally innervated versus trigeminally innervated muscles. Archives of Oral Biology, 2013, 58, 331-339.	1.8	26
42	Ethnic differences in oroâ€facial somatosensory profilesâ€”quantitative sensory testing in <scp>C</scp>hinese and <scp>D</scp>anes. Journal of Oral Rehabilitation, 2013, 40, 844-853.	3.0	25
43	New International Classification of Orofacial Pain: What Is in It For Endodontists?. Journal of Endodontics, 2021, 47, 345-357.	3.1	25
44	A human model of intraoral pain and heat hyperalgesia. Journal of Orofacial Pain, 2003, 17, 333-40.	1.7	25
45	Increased pain sensitivity to intraoral capsaicin in patients with atypical odontalgia. Journal of Orofacial Pain, 2006, 20, 107-14.	1.7	25
46	Effect of Hypnosis on Pain and Blink Reflexes in Patients With Painful Temporomandibular Disorders. Clinical Journal of Pain, 2011, 27, 344-351.	1.9	23
47	Force and complexity of tongue task training influences behavioral measures of motor learning. European Journal of Oral Sciences, 2012, 120, 46-53.	1.5	23
48	Somatosensory profiling of intraâ€oral capsaicin and menthol in healthy subjects. European Journal of Oral Sciences, 2013, 121, 29-35.	1.5	23
49	Differential effects of repetitive oral administration of monosodium glutamate on interstitial glutamate concentration and muscle pain sensitivity. Nutrition, 2015, 31, 315-323.	2.4	23
50	Increased pain and muscle glutamate concentration after single ingestion of monosodium glutamate by myofascial temporomandibular disorders patients. European Journal of Pain, 2016, 20, 1502-1512.	2.8	22
51	Referred Pain and Sensations Evoked by Standardized Palpation of the Masseter Muscle in Healthy Participants. Journal of Oral and Facial Pain and Headache, 2018, 32, 159-166.	1.4	22
52	Influence of topical application of capsaicin, menthol and local anesthetics on intraoral somatosensory sensitivity in healthy subjects: temporal and spatial aspects. Experimental Brain Research, 2015, 233, 1189-1199.	1.5	21
53	Quantitative sensory tests before and 1Â½ years after orthognathic surgery: a cross-sectional study. Journal of Oral Rehabilitation, 2010, 37, 313-321.	3.0	20
54	Pain profiling of patients with temporomandibular joint arthralgia and osteoarthritis diagnosed with different imaging techniques. Journal of Headache and Pain, 2016, 17, 61.	6.0	20

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55	Agreement between quantitative and qualitative sensory testing of changes in oroâ€facial somatosensory sensitivity. Journal of Oral Rehabilitation, 2017, 44, 30-42.	3.0	20
56	Psychosocial Profiles of Temporomandibular Disorder Pain Patients: Proposal of a New Approach to Present Complex Data. Journal of Oral and Facial Pain and Headache, 2017, 31, 199-209.	1.4	20
57	Sensory Action Potentials of the Maxillary Nerve: A Methodologic Study With Clinical Implications. Journal of Oral and Maxillofacial Surgery, 2009, 67, 537-542.	1.2	19
58	Somatosensory abnormalities in Chinese patients with painful temporomandibular disorders. Journal of Headache and Pain, 2016, 17, 31.	6.0	19
59	Motivational conditions influence tongue motor performance. European Journal of Oral Sciences, 2013, 121, 111-116.	1.5	17
60	Somatosensory Sensitivity in Patients With Persistent Idiopathic Orofacial Pain Is Associated With Pain Relief From Hypnosis and Relaxation. Clinical Journal of Pain, 2013, 29, 518-526.	1.9	17
61	Analysis of brain and muscle activity during lowâ€level tooth clenching â€“ a feasibility study with a novel biting device. Journal of Oral Rehabilitation, 2014, 41, 93-100.	3.0	17
62	Standardization of Muscle Palpationâ€” Methodological Considerations. Clinical Journal of Pain, 2014, 30, 174-182.	1.9	17
63	Jaw Exercises in the Treatment of Temporomandibular Disordersâ€”An International Modified Delphi Study. Journal of Oral and Facial Pain and Headache, 2019, 39, 389-398.	1.4	17
64	Effect of experimental pain on EMG-activity in human jaw-closing muscles in different jaw positions. Archives of Oral Biology, 2009, 54, 32-39.	1.8	16
65	Effect of a repeated jaw motor task on masseter muscle performance. Archives of Oral Biology, 2015, 60, 1625-1631.	1.8	16
66	Defining pleasant touch stimuli: a systematic review and meta-analysis. Psychological Research, 2021, 85, 20-35.	1.7	16
67	Influence of position and stimulation parameters on intracortical inhibition and facilitation in human tongue motor cortex. Brain Research, 2014, 1557, 83-89.	2.2	15
68	Orofacial quantitative sensory testing: Current evidence and future perspectives. European Journal of Pain, 2020, 24, 1425-1439.	2.8	15
69	Influence of topical anaesthesia on the corticomotor response to tongue training. Archives of Oral Biology, 2009, 54, 696-704.	1.8	14
70	Lack of correlation between central sensitization inventory and psychophysical measures of central sensitization in individuals with painful temporomandibular disorder. Archives of Oral Biology, 2021, 124, 105063.	1.8	14
71	Experimental stressors alter hypertonic saline-evoked masseter muscle pain and autonomic response. Journal of Orofacial Pain, 2012, 26, 191-205.	1.7	14
72	Influence of the ability to roll the tongue and tongue-training parameters on oral motor performance and learning. Archives of Oral Biology, 2011, 56, 1419-1423.	1.8	13

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73	Is There a Relation between Tension-Type Headache, Temporomandibular Disorders and Sleep?. Pain Research and Treatment, 2013, 2013, 1-6.	1.7	13
74	Experimental orofacial pain and sensory deprivation lead to perceptual distortion of the face in healthy volunteers. Experimental Brain Research, 2015, 233, 2597-2606.	1.5	13
75	Temporomandibular disorders and psychosocial status in osteogenesis imperfecta - a cross-sectional study. BMC Oral Health, 2018, 18, 35.	2.3	13
76	Somatosensory Profiling of Patients with Burning Mouth Syndrome and Correlations with Psychologic Factors. Journal of Oral and Facial Pain and Headache, 2019, 33, 278-286.	1.4	13
77	Consensusâ€based clinical guidelines for ambulatory electromyography and contingent electrical stimulation in sleep bruxism. Journal of Oral Rehabilitation, 2020, 47, 164-169.	3.0	13
78	A conceptual model of oroâ€facial health with an emphasis on function. Journal of Oral Rehabilitation, 2021, 48, 1283-1294.	3.0	13
79	One hour jaw muscle training does not evoke plasticity in the corticomotor control of the masseter muscle. Archives of Oral Biology, 2013, 58, 1483-1490.	1.8	12
80	Entropy of Masseter Muscle Pain Sensitivity: A New Technique for Pain Assessment. Journal of Oral and Facial Pain and Headache, 2017, 31, 87-94.	1.4	12
81	Trigeminal nociceptive function and oral somatosensory functional and structural assessment in patients with diabetic peripheral neuropathy. Scientific Reports, 2019, 9, 169.	3.3	11
82	Quantitative and qualitative assessment of sensory changes induced by local anesthetics block of two different trigeminal nerve branches. Clinical Oral Investigations, 2019, 23, 2637-2649.	3.0	11
83	Neurosensory assessment in patients with total reconstruction of the temporomandibular joint. International Journal of Oral and Maxillofacial Surgery, 2014, 43, 1096-1103.	1.5	10
84	Painful Stimulation and Transient Blocking of Nerve Transduction Due to Local Anesthesia Evoke Perceptual Distortions of the Face in Healthy Volunteers. Journal of Pain, 2015, 16, 335-345.	1.4	10
85	Blink reflexes in patients with atypical odontalgia. Journal of Orofacial Pain, 2005, 19, 239-47.	1.7	10
86	Muscle pain sensitivity after glutamate injection is not modified by systemic administration of monosodium glutamate. Journal of Headache and Pain, 2015, 16, 68.	6.0	9
87	Reports of perceptual distortion of the face are common in patients with different types of chronic oroâ€facial pain. Journal of Oral Rehabilitation, 2016, 43, 409-416.	3.0	9
88	Assessment of experimental orofacial pain, pleasantness and unpleasantness via standardized psychophysical testing. European Journal of Pain, 2019, 23, 1297-1308.	2.8	9
89	Assessment of Somatosensory and Psychosocial Function of Patients With Trigeminal Nerve Damage. Clinical Journal of Pain, 2020, 36, 321-335.	1.9	9
90	Assessment of Mechanical Pain Thresholds in the Orofacial Region: A Comparison Between Pinprick Stimulators and Electronic Von Frey Device. Journal of Oral and Facial Pain and Headache, 2016, 30, 338-345.	1.4	8

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91	Somatosensory Profile Changes Evoked by Topical Application of Capsaicin to the Tongue in Healthy Individuals. Journal of Oral and Facial Pain and Headache, 2017, 31, 139-146.	1.4	8
92	Effect of Propranolol on Hypertonic Saline-Evoked Masseter Muscle Pain and Autonomic Response in Healthy Women During Rest and Mental Arithmetic Task. Journal of Orofacial Pain, 2013, 27, 243-255.	1.7	7
93	Application of a New Palpometer for Intraoral Mechanical Pain Sensitivity Assessment. Journal of Orofacial Pain, 2013, 27, 336-342.	1.7	7
94	Influence of visual observational conditions on tongue motor learning. European Journal of Oral Sciences, 2016, 124, 534-539.	1.5	7
95	Reliability of the nociceptive blink reflex evoked by electrical stimulation of the trigeminal nerve in humans. Clinical Oral Investigations, 2017, 21, 2453-2463.	3.0	7
96	Effect of transcranial direct current stimulation on neuroplasticity in corticomotor pathways of the tongue muscles. Journal of Oral Rehabilitation, 2017, 44, 691-701.	3.0	7
97	Perceptual distortion of the tongue by lingual nerve block and topical application of capsaicin in healthy women. Clinical Oral Investigations, 2017, 21, 2045-2052.	3.0	7
98	Effects of Experimental Pain and Lidocaine on Mechanical Somatosensory Profile and Face Perception. Journal of Oral and Facial Pain and Headache, 2017, 31, 115-123.	1.4	7
99	Effects of low-dose intramuscular ketorolac on experimental pain in the masseter muscle of healthy women. Journal of Orofacial Pain, 2010, 24, 398-407.	1.7	7
100	Reliability of a new technique for intraoral mapping of somatosensory sensitivity. Somatosensory & Motor Research, 2013, 30, 30-36.	0.9	6
101	Effect of negative emotions evoked by light, noise and taste on trigeminal thermal sensitivity. Journal of Headache and Pain, 2014, 15, 71.	6.0	6
102	Assessment of Human Intraoral Thermal Sensitivity with Simple Devices in the Clinic: Implications for Orofacial Pain Conditions. Journal of Oral and Facial Pain and Headache, 2015, 29, 83-90.	1.4	6
103	Bilateral sensory deprivation of trigeminal afferent fibres on corticomotor control of human tongue musculature: a preliminary study. Journal of Oral Rehabilitation, 2016, 43, 656-661.	3.0	6
104	Multisensory modulation of experimentally evoked perceptual distortion of the face. Journal of Oral Rehabilitation, 2018, 45, 1-8.	3.0	6
105	Topical anaesthesia degree is reduced in temporomandibular disorders patients: A novel approach to assess underlying mechanisms of the somatosensory alterations. Journal of Oral Rehabilitation, 2020, 47, 113-122.	3.0	6
106	Differential changes in gingival somatosensory sensitivity after painful electrical tooth stimulation. Experimental Brain Research, 2015, 233, 1109-1118.	1.5	5
107	Painful and nonâ€painful symptoms evoked by experimental bracing and thrusting of the mandible in healthy individuals. Journal of Oral Rehabilitation, 2021, 48, 1004-1012.	3.0	5
108	The Mechanisms of Joint and Muscle Pain. Journal of the American Dental Association, 2010, 141, 672-674.	1.5	4

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109	Feasibility and reliability of intraorally evoked â€œnociceptive-specificâ€•blink reflexes. Clinical Oral Investigations, 2020, 24, 883-896.	3.0	4
110	Assessment of Somatosensory Function, Pain, and Unpleasantness in Two Surrogate Models of Trigeminal Nerve Damage: A Randomized, Double-Blind, Controlled Crossover Study. Journal of Oral and Facial Pain and Headache, 2020, 34, 92-107.	1.4	4
111	Modulation of experimental facial pain via somatosensory stimuli targeting sensations of different valence. Journal of Oral Rehabilitation, 2020, 47, 720-730.	3.0	4
112	What is the nocebo effect and does it apply to dentistry?â€”A narrative review. Journal of Oral Rehabilitation, 2022, 49, 586-591.	3.0	4
113	Comparison of techniques for evaluation of deep pain sensitivity in the craniofacial region. Journal of Orofacial Pain, 2012, 26, 225-32.	1.7	4
114	Spatial and Temporal Effects of Capsaicin and Menthol on Intraoral Somatosensory Sensitivity. Journal of Oral and Facial Pain and Headache, 2015, 29, 257-264.	1.4	3
115	Verbal instructions influence pain thresholds assessment: A study using manual and electronic mechanical stimulators. European Journal of Pain, 2017, 21, 900-906.	2.8	3
116	Effect of Experimental Periodontal Ligament Pain on Gingival Somatosensory Sensitivity. Journal of Oral and Facial Pain and Headache, 2017, 31, 72-79.	1.4	3
117	Spatio-temporal Effects of Standardized Palpation on Referred Sensations and Pain from the Masseter Muscle in Healthy Individuals . International Journal of Oral-Medical Sciences, 2018, 17, 9-17.	0.1	2
118	The Potential of Nano-Porous Surface Structure for Pain Therapeutic Applications: Surface Properties and Evaluation of Pain Perception. Applied Sciences (Switzerland), 2020, 10, 4578.	2.5	2
119	Reliability of orofacial quantitative sensory testing for pleasantness and unpleasantness. Cephalalgia, 2020, 40, 1191-1201.	3.9	2
120	Lâ€™apport des modÃ¨les expÃ©rimentaux dans lâ€™Ã©tude de la douleur orofaciale chez lâ€™humain. Douleur Et Analgesie, 2009, 22, 121-129.	0.1	1
121	Effect of a reversal mirror condition on orofacial mechanical sensitivity. Somatosensory & Motor Research, 2014, 31, 191-197.	0.9	1
122	Is the Nociceptive Blink Reflex Associated with Psychological Factors in Healthy Participants?. Journal of Oral and Facial Pain and Headache, 2016, 30, 120-126.	1.4	1
123	Characteristics of Glutamate-Evoked Pain in the Masseter Region: Differences Between Targeted Injections in Subcutaneous, Muscle, and Bone Tissues. Journal of Oral and Facial Pain and Headache, 2018, 32, 418-427.	1.4	1
124	Comparison of orofacial thermal sensitivity assessed with simple devices and sophisticated equipment. European Journal of Pain, 2018, 22, 1824-1832.	2.8	1
125	How May Placebo Mechanisms Influence Orofacial Neuropathic Pain?. Journal of Dental Research, 2019, 98, 861-869.	5.2	1
126	Robotic Stroking on the Face and Forearm: Touch Satiety and Effects on Mechanical Pain. Frontiers in Pain Research, 2021, 2, 693987.	2.0	1