W D Mccall Jr

List of Publications by Year
in descending order

61	2,007	236833	254106
papers	citations	25 h-index	43 g-index

61	61	61	1173
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formalin induces biphasic activity in C-fibers in the rat. Neuroscience Letters, 1996, 208, 45-48.	1.0	207
2	Effect of gum hardness on chewing pattern. Experimental Neurology, 1986, 92, 502-512.	2.0	167
3	Effect of Botulinum Toxin Injection on Nocturnal Bruxism. American Journal of Physical Medicine and Rehabilitation, 2010, 89, 16-23.	0.7	125
4	Devices for the diagnosis and treatment of temporomandibular disorders. Part I: Introduction, scientific evidence, and jaw tracking. Journal of Prosthetic Dentistry, 1990, 63, 198-201.	1.1	102
5	Wakingâ€state oral parafunctional behaviors: specificity and validity as assessed by electromyography. European Journal of Oral Sciences, 2008, 116, 438-444.	0.7	89
6	Human masticatory muscle activity and jaw position under experimental stress. Journal of Oral Rehabilitation, 2002, 29, 44-51.	1.3	71
7	Static and dynamic responses of slowly adapting joint receptors. Brain Research, 1974, 70, 221-243.	1.1	70
8	Amitriptyline treatment of chronic pain in patients with temporomandibular disorders. Journal of Oral Rehabilitation, 2000, 27, 834-841.	1.3	60
9	Electromyographic Silent Periods and Jaw Motion Parameters: Quantitative Measures of Temporomandibular Joint Dysfunction. Journal of Dental Research, 1977, 56, 249-253.	2.5	54
10	Modelling of forces in the human masticatory system with optimization of the angulations of the joint loads. Journal of Biomechanics, 1995, 28, 829-843.	0.9	54
11	TMJ Symptom Severity and EMG Silent Periods. Journal of Dental Research, 1978, 57, 709-714.	2.5	51
12	Duration of the Electromyographic Silent Period Following the Jaw-Jerk Reflex in Human Subjects. Journal of Dental Research, 1977, 56, 660-664.	2.5	49
13	The influence of mechanical input parameters on the duration of the mandibular joint electromyographic silent period in man. Archives of Oral Biology, 1977, 22, 619-623.	0.8	48
14	Neuromuscular objectives of the human masticatory apparatus during static biting. Archives of Oral Biology, 2003, 48, 767-777.	0.8	44
15	Effects of chewing frequency and bolus hardness on human incisor trajectory and masseter muscle activity. Archives of Oral Biology, 1990, 35, 311-318.	0.8	42
16	Reliability of electromyographic activity vs. bite-force from human masticatory muscles. European Journal of Oral Sciences, 2011, 119, 219-224.	0.7	40
17	Mandibular movements and jaw muscles' activity while voluntarily chewing at different rates. Experimental Neurology, 1987, 98, 285-300.	2.0	36
18	Human Temporomandibular Joint Eminence Shape and Load Minimization. Journal of Dental Research, 2010, 89, 722-727.	2.5	33

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19	Static and dynamic mechanics of the temporomandibular joint: plowing forces, joint load and tissue stress. Orthodontics and Craniofacial Research, 2009, 12, 159-167.	1.2	28
20	The stress-hyperactivity-pain theory of myogenic pain. Pain Forum, 1996, 5, 51-66.	1.1	27
21	Effect of Increased Sympathetic Activity on Electrical Activity from Myofascial Painful Areas. American Journal of Physical Medicine and Rehabilitation, 2004, 83, 842-850.	0.7	27
22	Jaw muscle silent periods by tooth tap and chin tap. Journal of Oral Rehabilitation, 1981, 8, 91-96.	1.3	26
23	A quantitative measure of mandibular joint dysfunction: Phase plane modelling of jaw movement in man. Archives of Oral Biology, 1976, 21, 685-689.	0.8	25
24	The effect of voluntary activity on the masseteric silent period duration. Journal of Prosthetic Dentistry, 1981, 46, 192-195.	1.1	25
25	Reliability of a portable electromyographic unit to measure bruxism. Journal of Prosthetic Dentistry, 1995, 73, 184-189.	1.1	25
26	Comparison of automatic and voluntary chewing patterns and performance. Experimental Neurology, 1988, 99, 326-341.	2.0	24
27	Muscle Organization in Individuals with and without Pain and Joint Dysfunction. Journal of Dental Research, 2012, 91, 568-573.	2.5	24
28	Head Pain as a Result of Experimental Ischemic Exercise of the Temporalis Muscle. Headache, 1983, 23, 113-116.	1.8	23
29	Nucleus gracilis responses to knee joint motion: A frequency response study. Brain Research, 1973, 64, 123-140.	1.1	22
30	Kinematics of jaw movements during chewing at different frequencies. Journal of Biomechanics, 1993, 26, 243-250.	0.9	22
31	Infield masticatory muscle activity in subjects with painâ€related temporomandibular disorders diagnoses. Orthodontics and Craniofacial Research, 2015, 18, 137-145.	1.2	22
32	Computerized data acquisition and analysis for real-time electromyography in clinical dentistry. Proceedings of the IEEE, 1975, 63, 1404-1414.	16.4	21
33	Masseteric silent periods electrically evoked in normal subjects and patients with temporomandibular joint dysfunction. Experimental Neurology, 1983, 81, 64-76.	2.0	21
34	Systematic Review of Reliability and Diagnostic Validity of Joint Vibration Analysis for Diagnosis of Temporomandibular Disorders. Journal of Orofacial Pain, 2013, 27, 51-60.	1.7	20
35	Psychophysiological Assessment of Stress in Chronic Pain: Comparisons of Stressful Stimuli and of Response Systems. Journal of Dental Research, 1998, 77, 1840-1850.	2.5	19
36	Temporomandibular joint loads in subjects with and without disc displacement. Orthopedic Reviews, 2009, 1, 29.	0.3	19

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37	The variability of EMG silent periods in TMJ patients. Journal of Oral Rehabilitation, 1981, 8, 103-105.	1.3	18
38	Malocclusion as a risk factor in the etiology of headaches in children and adolescents. American Journal of Orthodontics and Dentofacial Orthopedics, 2007, 132, 754-761.	0.8	18
39	Telemetry system to study functional occlusal forces. Journal of Prosthetic Dentistry, 1978, 40, 98-102.	1.1	17
40	Reliability and diagnostic validity of a joint vibration analysis device. BMC Oral Health, 2017, 17, 56.	0.8	14
41	A Linear Position Transducer Using a Magnet and Hall Effect Devices. IEEE Transactions on Instrumentation and Measurement, 1977, 26, 133-136.	2.4	13
42	EMG Silent Periods in Immediate Complete Denture Patients: A Longitudinal Study. Journal of Dental Research, 1979, 58, 2353-2359.	2.5	13
43	The effect of L-tryptophan supplementation and dietary instruction on chronic myofascial pain. Journal of the American Dental Association, 1989, 118, 457-460.	0.7	13
44	Analysis of jaw movements and masticatory muscle activity. Computer Methods and Programs in Biomedicine, 1990, 31, 19-32.	2.6	13
45	Spontaneous palpebromandibular synkinesia: A localizing clinical sign. Annals of Neurology, 1994, 35, 222-228.	2.8	12
46	Characteristics of electrical activity in trapezius muscles with myofascial pain. Clinical Neurophysiology, 2006, 117, 2459-2466.	0.7	11
47	The Effect of Electrode Placement and Instrumentation of the Masseteric Silent Period. Journal of Dental Research, 1980, 59, 727-727.	2.5	10
48	Three year follow-up TMJ patients: success rates and silent periods. Journal of Oral Rehabilitation, 1984, 11, 71-78.	1.3	10
49	Functional occlusal forces under anesthesia. Journal of Prosthetic Dentistry, 1978, 40, 402-408.	1.1	9
50	Jaw Muscle Silent Periods: The Effect of Acrylic Splints. Journal of Dental Research, 1980, 59, 683-688.	2.5	9
51	The effect of prior jaw motion on the plot of electromyographic amplitude versus jaw position. Journal of Prosthetic Dentistry, 1988, 60, 369-373.	1.1	9
52	Effect of Botulinum Toxin on Pressure Pain Threshold and EMG Power Spectrum of Masseter Muscle During Sustained Fatiguing Contraction. American Journal of Physical Medicine and Rehabilitation, 2010, 89, 736-743.	0.7	9
53	Jaw muscle silent periods before and after rapid palatal expansion. American Journal of Orthodontics, 1979, 76, 676-681.	0.4	8
54	Electromyographic power spectrum of jaw muscles during clenching in unilateral temporomandibular joint osteoarthritis patients. Journal of Oral Rehabilitation, 2012, 39, 659-667.	1.3	8

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55	The Role of Cutaneous Receptors in the Menton Tap Silent Period. Journal of Dental Research, 1979, 58, 506-510.	2.5	6
56	Software Support for Computerized Electromyography in Clinical Dentistry. IEEE Transactions on Biomedical Engineering, 1979, BME-26, 357-365.	2.5	6
57	An Interactive Computer Peripheral to Measure the Electromyographic Silent Period. IEEE Transactions on Biomedical Engineering, 1976, BME-23, 160-164.	2.5	5
58	Influence of auriculotemporal nerve anaesthesia on the masseteric silent period. Journal of Oral Rehabilitation, 1983, 10, 251-256.	1.3	5
59	Follow-up study of silent periods in complete denture wearers. Journal of Oral Rehabilitation, 1987, 14, 345-353.	1.3	5
60	Measurement of silent period durations by hand and by commercial device. Journal of Prosthetic Dentistry, 1985, 54, 715-719.	1.1	3
61	The lion at the gate. Pain Forum, 1996, 5, 77-80.	1.1	1