

# W D Mccall Jr

## List of Publications by Year in descending order

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61  
papers

2,007  
citations

236833

25  
h-index

254106

43  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1173  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability and diagnostic validity of a joint vibration analysis device. BMC Oral Health, 2017, 17, 56.	0.8	14
2	Infield masticatory muscle activity in subjects with pain-related temporomandibular disorders diagnoses. Orthodontics and Craniofacial Research, 2015, 18, 137-145.	1.2	22
3	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
4	Muscle Organization in Individuals with and without Pain and Joint Dysfunction. Journal of Dental Research, 2012, 91, 568-573.	2.5	24
5	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
6	Reliability of electromyographic activity vs. bite-force from human masticatory muscles. European Journal of Oral Sciences, 2011, 119, 219-224.	0.7	40
7	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
8	Human Temporomandibular Joint Eminence Shape and Load Minimization. Journal of Dental Research, 2010, 89, 722-727.	2.5	33
9	Effect of Botulinum Toxin Injection on Nocturnal Bruxism. American Journal of Physical Medicine and Rehabilitation, 2010, 89, 16-23.	0.7	125
10	Temporomandibular joint loads in subjects with and without disc displacement. Orthopedic Reviews, 2009, 1, 29.	0.3	19
11	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
12	Waking-state oral parafunctional behaviors: specificity and validity as assessed by electromyography. European Journal of Oral Sciences, 2008, 116, 438-444.	0.7	89
13	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
14	Characteristics of electrical activity in trapezius muscles with myofascial pain. Clinical Neurophysiology, 2006, 117, 2459-2466.	0.7	11
15	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
16	Neuromuscular objectives of the human masticatory apparatus during static biting. Archives of Oral Biology, 2003, 48, 767-777.	0.8	44
17	Human masticatory muscle activity and jaw position under experimental stress. Journal of Oral Rehabilitation, 2002, 29, 44-51.	1.3	71
18	Amitriptyline treatment of chronic pain in patients with temporomandibular disorders. Journal of Oral Rehabilitation, 2000, 27, 834-841.	1.3	60

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19	Psychophysiological Assessment of Stress in Chronic Pain: Comparisons of Stressful Stimuli and of Response Systems. <i>Journal of Dental Research</i> , 1998, 77, 1840-1850.	2.5	19
20	Formalin induces biphasic activity in C-fibers in the rat. <i>Neuroscience Letters</i> , 1996, 208, 45-48.	1.0	207
21	The stress-hyperactivity-pain theory of myogenic pain. <i>Pain Forum</i> , 1996, 5, 51-66.	1.1	27
22	The lion at the gate. <i>Pain Forum</i> , 1996, 5, 77-80.	1.1	1
23	Modelling of forces in the human masticatory system with optimization of the angulations of the joint loads. <i>Journal of Biomechanics</i> , 1995, 28, 829-843.	0.9	54
24	Reliability of a portable electromyographic unit to measure bruxism. <i>Journal of Prosthetic Dentistry</i> , 1995, 73, 184-189.	1.1	25
25	Spontaneous palpebromandibular synkinesia: A localizing clinical sign. <i>Annals of Neurology</i> , 1994, 35, 222-228.	2.8	12
26	Kinematics of jaw movements during chewing at different frequencies. <i>Journal of Biomechanics</i> , 1993, 26, 243-250.	0.9	22
27	Analysis of jaw movements and masticatory muscle activity. <i>Computer Methods and Programs in Biomedicine</i> , 1990, 31, 19-32.	2.6	13
28	Devices for the diagnosis and treatment of temporomandibular disorders. Part I: Introduction, scientific evidence, and jaw tracking. <i>Journal of Prosthetic Dentistry</i> , 1990, 63, 198-201.	1.1	102
29	Effects of chewing frequency and bolus hardness on human incisor trajectory and masseter muscle activity. <i>Archives of Oral Biology</i> , 1990, 35, 311-318.	0.8	42
30	The effect of L-tryptophan supplementation and dietary instruction on chronic myofascial pain. <i>Journal of the American Dental Association</i> , 1989, 118, 457-460.	0.7	13
31	Comparison of automatic and voluntary chewing patterns and performance. <i>Experimental Neurology</i> , 1988, 99, 326-341.	2.0	24
32	The effect of prior jaw motion on the plot of electromyographic amplitude versus jaw position. <i>Journal of Prosthetic Dentistry</i> , 1988, 60, 369-373.	1.1	9
33	Mandibular movements and jaw muscles' activity while voluntarily chewing at different rates. <i>Experimental Neurology</i> , 1987, 98, 285-300.	2.0	36
34	Follow-up study of silent periods in complete denture wearers. <i>Journal of Oral Rehabilitation</i> , 1987, 14, 345-353.	1.3	5
35	Effect of gum hardness on chewing pattern. <i>Experimental Neurology</i> , 1986, 92, 502-512.	2.0	167
36	Measurement of silent period durations by hand and by commercial device. <i>Journal of Prosthetic Dentistry</i> , 1985, 54, 715-719.	1.1	3

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37	Three year follow-up TMJ patients: success rates and silent periods. Journal of Oral Rehabilitation, 1984, 11, 71-78.	1.3	10
38	Influence of auriculotemporal nerve anaesthesia on the masseteric silent period. Journal of Oral Rehabilitation, 1983, 10, 251-256.	1.3	5
39	Masseteric silent periods electrically evoked in normal subjects and patients with temporomandibular joint dysfunction. Experimental Neurology, 1983, 81, 64-76.	2.0	21
40	Head Pain as a Result of Experimental Ischemic Exercise of the Temporalis Muscle. Headache, 1983, 23, 113-116.	1.8	23
41	The effect of voluntary activity on the masseteric silent period duration. Journal of Prosthetic Dentistry, 1981, 46, 192-195.	1.1	25
42	Jaw muscle silent periods by tooth tap and chin tap. Journal of Oral Rehabilitation, 1981, 8, 91-96.	1.3	26
43	The variability of EMG silent periods in TMJ patients. Journal of Oral Rehabilitation, 1981, 8, 103-105.	1.3	18
44	The Effect of Electrode Placement and Instrumentation of the Masseteric Silent Period. Journal of Dental Research, 1980, 59, 727-727.	2.5	10
45	Jaw Muscle Silent Periods: The Effect of Acrylic Splints. Journal of Dental Research, 1980, 59, 683-688.	2.5	9
46	The Role of Cutaneous Receptors in the Menton Tap Silent Period. Journal of Dental Research, 1979, 58, 506-510.	2.5	6
47	EMG Silent Periods in Immediate Complete Denture Patients: A Longitudinal Study. Journal of Dental Research, 1979, 58, 2353-2359.	2.5	13
48	Software Support for Computerized Electromyography in Clinical Dentistry. IEEE Transactions on Biomedical Engineering, 1979, BME-26, 357-365.	2.5	6
49	Jaw muscle silent periods before and after rapid palatal expansion. American Journal of Orthodontics, 1979, 76, 676-681.	0.4	8
50	Functional occlusal forces under anesthesia. Journal of Prosthetic Dentistry, 1978, 40, 402-408.	1.1	9
51	Telemetry system to study functional occlusal forces. Journal of Prosthetic Dentistry, 1978, 40, 98-102.	1.1	17
52	TMJ Symptom Severity and EMG Silent Periods. Journal of Dental Research, 1978, 57, 709-714.	2.5	51
53	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
54	Electromyographic Silent Periods and Jaw Motion Parameters: Quantitative Measures of Temporomandibular Joint Dysfunction. Journal of Dental Research, 1977, 56, 249-253.	2.5	54

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55	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
56	A Linear Position Transducer Using a Magnet and Hall Effect Devices. IEEE Transactions on Instrumentation and Measurement, 1977, 26, 133-136.	2.4	13
57	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
58	An Interactive Computer Peripheral to Measure the Electromyographic Silent Period. IEEE Transactions on Biomedical Engineering, 1976, BME-23, 160-164.	2.5	5
59	Computerized data acquisition and analysis for real-time electromyography in clinical dentistry. Proceedings of the IEEE, 1975, 63, 1404-1414.	16.4	21
60	Static and dynamic responses of slowly adapting joint receptors. Brain Research, 1974, 70, 221-243.	1.1	70
61	Nucleus gracilis responses to knee joint motion: A frequency response study. Brain Research, 1973, 64, 123-140.	1.1	22