

M-Q Wang

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

6,735
citations

236925

25
h-index

66911

78
g-index

84
all docs

84
docs citations

84
times ranked

15037
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term effect of bilateral anterior elevation of occlusion on the temporomandibular joints. <i>Oral Diseases</i> , 2022, 28, 1911-1920.	3.0	9
2	Chondrocyte Adipogenic Differentiation in Softening Osteoarthritic Cartilage. <i>Journal of Dental Research</i> , 2022, 101, 655-663.	5.2	3
3	Masseter response to long-term experimentally induced anterior crossbite in Sprague-Dawley rats. <i>Archives of Oral Biology</i> , 2021, 122, 104985.	1.8	4
4	Excitatory Impact of Dental Occlusion on Dorsal Motor Nucleus of Vagus. <i>Frontiers in Neural Circuits</i> , 2021, 15, 638000.	2.8	1
5	Effect of dental malocclusion on cerebellar neuron activation via the dorsomedial part of the principal sensory trigeminal nucleus. <i>European Journal of Oral Sciences</i> , 2021, 129, e12788.	1.5	6
6	Initiation and progression of dental-stimulated temporomandibular joints osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 633-642.	1.3	31
7	Development of a biomechanical model for dynamic occlusal stress analysis. <i>International Journal of Oral Science</i> , 2021, 13, 29.	8.6	6
8	Mineral deposition intervention through reduction of phosphorus intake suppresses osteoarthritic lesions in temporomandibular joint. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 1370-1381.	1.3	3
9	HMGB2 promotes chondrocyte proliferation under negative pressure through the phosphorylation of AKT. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 119115.	4.1	4
10	Elder Mice Exhibit More Severe Degeneration and Milder Regeneration in Temporomandibular Joints Subjected to Bilateral Anterior Crossbite. <i>Frontiers in Physiology</i> , 2021, 12, 750468.	2.8	7
11	MTORC1 coordinates the autophagy and apoptosis signaling in articular chondrocytes in osteoarthritic temporomandibular joint. <i>Autophagy</i> , 2020, 16, 271-288.	9.1	158
12	Injury responses of Sprague-Dawley rat jaw muscles to an experimental unilateral anterior crossbite prosthesis. <i>Archives of Oral Biology</i> , 2020, 109, 104588.	1.8	6
13	Effects of occlusion modification on the remodelling of degenerative mandibular condylar processes. <i>Oral Diseases</i> , 2020, 26, 597-608.	3.0	15
14	Biomechanically reduced expression of Derlin-3 is linked to the apoptosis of chondrocytes in the mandibular condylar cartilage via the endoplasmic reticulum stress pathway. <i>Archives of Oral Biology</i> , 2020, 118, 104843.	1.8	2
15	Kindlin-2 regulates skeletal homeostasis by modulating PTH1R in mice. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 297.	17.1	31
16	Inhibition of Ihh Reverses Temporomandibular Joint Osteoarthritis via a PTH1R Signaling Dependent Mechanism. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3797.	4.1	35
17	Early growth response 1 reduction in peripheral blood involving condylar subchondral bone loss. <i>Oral Diseases</i> , 2019, 25, 1759-1768.	3.0	3
18	Malocclusion Generates Anxiety-Like Behavior Through a Putative Lateral Habenula-Mesencephalic Trigeminal Nucleus Pathway. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 174.	2.9	15

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19	Bilateral anterior elevation prosthesis boosts chondrocytes proliferation in mice mandibular condyle. <i>Oral Diseases</i> , 2019, 25, 1589-1599.	3.0	12
20	Molecular changes in peripheral blood involving osteoarthritic joint remodelling. <i>Journal of Oral Rehabilitation</i> , 2019, 46, 820-827.	3.0	9
21	Chondrocyte apoptosis in rat mandibular condyles induced by dental occlusion due to mitochondrial damage caused by nitric oxide. <i>Archives of Oral Biology</i> , 2019, 101, 108-121.	1.8	18
22	Insulin-like growth factor-1 engaged in the mandibular condylar cartilage degeneration induced by experimental unilateral anterior crossbite. <i>Archives of Oral Biology</i> , 2019, 98, 17-25.	1.8	9
23	Identification of Chondrocyte Genes and Signaling Pathways in Response to Acute Joint Inflammation. <i>Scientific Reports</i> , 2019, 9, 93.	3.3	43
24	Prevention of Injury-Induced Osteoarthritis in Rodent Temporomandibular Joint by Targeting Chondrocyte CaSR. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 726-738.	2.8	24
25	Calcium/calmodulin-dependent protein kinase α in occlusion-induced degenerative cartilage of rat mandibular condyle. <i>Journal of Oral Rehabilitation</i> , 2018, 45, 442-451.	3.0	17
26	Osteochondral Interface Stiffening in Mandibular Condylar Osteoarthritis. <i>Journal of Dental Research</i> , 2018, 97, 563-570.	5.2	40
27	Comparison of posterior occlusion between patients with anterior open bite and scissor deep bite. <i>Journal of International Medical Research</i> , 2018, 46, 2284-2291.	1.0	2
28	Vertical contact tightness of occlusion comparison between orofacial myalgia patients and asymptomatic controls: a pilot study. <i>Journal of International Medical Research</i> , 2018, 46, 4952-4964.	1.0	0
29	Catabolic changes of rat temporomandibular joint discs induced by unilateral anterior crossbite. <i>Journal of Oral Rehabilitation</i> , 2018, 46, 340-348.	3.0	5
30	Dental malocclusion stimulates neuromuscular circuits associated with temporomandibular disorders. <i>European Journal of Oral Sciences</i> , 2018, 126, 466-475.	1.5	5
31	Proprioceptive mechanisms in occlusion-stimulated masseter hypercontraction. <i>European Journal of Oral Sciences</i> , 2017, 125, 127-134.	1.5	15
32	Finite element analysis on tooth and periodontal stress under simulated occlusal loads. <i>Journal of Oral Rehabilitation</i> , 2017, 44, 526-536.	3.0	14
33	Matrix replenishing by BMSCs is beneficial for osteoarthritic temporomandibular joint cartilage. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1551-1562.	1.3	30
34	An electromyographic study on the sequential recruitment of bilateral sternocleidomastoid and masseter muscle activity during gum chewing. <i>Journal of Oral Rehabilitation</i> , 2017, 44, 594-601.	3.0	12
35	Deletion of Runx2 in Articular Chondrocytes Decelerates the Progression of DMM-Induced Osteoarthritis in Adult Mice. <i>Scientific Reports</i> , 2017, 7, 2371.	3.3	74
36	Successful Rescue of Late-onset Antibody-mediated Rejection 12 Years After Living-donor Intestinal Transplantation: A Case Report. <i>Transplantation Proceedings</i> , 2017, 49, 232-236.	0.6	6

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37	Interferential effect of the over-erupted third molar on chewing movement. Archives of Oral Biology, 2017, 82, 147-152.	1.8	3
38	ERK potentiates p38 in central sensitization induced by traumatic occlusion. Neuroscience, 2017, 340, 445-454.	2.3	8
39	Activation of β 2A-adrenergic signal transduction in chondrocytes promotes degenerative remodelling of temporomandibular joint. Scientific Reports, 2016, 6, 30085.	3.3	33
40	An investigation of the simultaneously recorded occlusal contact and surface electromyographic activity of jaw-closing muscles for patients with temporomandibular disorders and a scissors-bite relationship. Journal of Electromyography and Kinesiology, 2016, 28, 114-122.	1.7	7
41	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
42	An investigation on the simultaneously recorded occlusion contact and surface electromyographic activity for patients with unilateral temporomandibular disorders pain. Journal of Electromyography and Kinesiology, 2016, 28, 199-207.	1.7	15
43	Systemic inflammation induces anxiety disorder through CXCL12/CXCR4 pathway. Brain, Behavior, and Immunity, 2016, 56, 352-362.	4.1	108
44	Unilateral anterior crossbite induces aberrant mineral deposition in degenerative temporomandibular cartilage in rats. Osteoarthritis and Cartilage, 2016, 24, 921-931.	1.3	47
45	Systemic administration of strontium or NBD peptide ameliorates early stage cartilage degradation of mouse mandibular condyles. Osteoarthritis and Cartilage, 2016, 24, 178-187.	1.3	19
46	β 2-adrenergic signal transduction plays a detrimental role in subchondral bone loss of temporomandibular joint in osteoarthritis. Scientific Reports, 2015, 5, 12593.	3.3	49
47	TNF Accelerates Death of Mandibular Condyle Chondrocytes in Rats with Biomechanical Stimulation-Induced Temporomandibular Joint Disease. PLoS ONE, 2015, 10, e0141774.	2.5	25
48	Norepinephrine Regulates Condylar Bone Loss via Comorbid Factors. Journal of Dental Research, 2015, 94, 813-820.	5.2	26
49	Installing and thereafter removing an aberrant prosthesis elicited opposite remodelling responses in growing mouse temporomandibular joints. Journal of Oral Rehabilitation, 2015, 42, 685-692.	3.0	19
50	Wnt5a/Ror2 Mediates Temporomandibular Joint Subchondral Bone Remodeling. Journal of Dental Research, 2015, 94, 803-812.	5.2	39
51	RANTES and SDF-1 Are Keys in Cell-based Therapy of TMJ Osteoarthritis. Journal of Dental Research, 2015, 94, 1601-1609.	5.2	54
52	Cartilage degradation in temporomandibular joint induced by unilateral anterior crossbite prosthesis. Oral Diseases, 2014, 20, 301-306.	3.0	51
53	Overexpressed TGF- β 2 in Subchondral Bone Leads to Mandibular Condyle Degradation. Journal of Dental Research, 2014, 93, 140-147.	5.2	56
54	Tumor suppressor NDRG2 tips the balance of oncogenic TGF- β 2 via EMT inhibition in colorectal cancer. Oncogenesis, 2014, 3, e86-e86.	4.9	76

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55	Reducing dietary loading decreases mouse temporomandibular joint degradation induced by anterior crossbite prosthesis. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 302-312.	1.3	86
56	Decreased bone marrow stromal cells activity involves in unilateral anterior crossbite-induced early subchondral bone loss of temporomandibular joints. <i>Archives of Oral Biology</i> , 2014, 59, 962-969.	1.8	18
57	Changes of Temporomandibular Joint and Semaphorin 4D/Plexin-B1 Expression in a Mouse Model of Incisor Malocclusion. <i>Journal of Oral and Facial Pain and Headache</i> , 2014, 28, 68-79.	1.4	34
58	Tumor necrosis factor receptor-II nt587 polymorphism in Chinese Han patients with ankylosing spondylitis. <i>Genetics and Molecular Research</i> , 2014, 13, 5190-5198.	0.2	1
59	Occlusal Effects on Longitudinal Bone Alterations of the Temporomandibular Joint. <i>Journal of Dental Research</i> , 2013, 92, 253-259.	5.2	76
60	A possible biomechanical role of occlusal cuspâ€“fossa contact relationships. <i>Journal of Oral Rehabilitation</i> , 2013, 40, 69-79.	3.0	51
61	Combined degenerative and regenerative remodeling responses of the mandibular condyle to experimentally induced disordered occlusion. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2013, 143, 69-76.	1.7	26
62	Enhancement of chondrocyte autophagy is an early response in the degenerative cartilage of the temporomandibular joint to biomechanical dental stimulation. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013, 18, 423-434.	4.9	43
63	Experimentally created unilateral anterior crossbite induces a degenerative ossification phenotype in mandibular condyle of growing <sc>S</sc>pragueâ€“<sc>D</sc>awley rats. <i>Journal of Oral Rehabilitation</i> , 2013, 40, 500-508.	3.0	20
64	Stable tooth contacts in intercuspation makes for utilities of the jaw elevators during maximal voluntary clenching. <i>Journal of Oral Rehabilitation</i> , 2013, 40, 319-328.	3.0	25
65	Degenerative Changes in Rat Condylar Cartilage Induced by Non-Matching Occlusion Created by Scattered Orthodontic Teeth-Moving. <i>Cranio - Journal of Craniomandibular Practice</i> , 2012, 30, 286-292.	1.4	3
66	Subchondral bone loss following orthodontically induced cartilage degradation in the mandibular condyles of rats. <i>Bone</i> , 2011, 48, 362-371.	2.9	100
67	A Preliminary Anatomical Study On the Association of Condylar and Occlusal Asymmetry. <i>Cranio - Journal of Craniomandibular Practice</i> , 2011, 29, 111-116.	1.4	14
68	Mandibular condylar cartilage response to moving 2 molars in rats. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010, 137, 460.e1-460.e8.	1.7	14
69	Editor's Comment and Q&A. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010, 137, 460-461.	1.7	17
70	Age- and sex-related changes of mandibular condylar cartilage and subchondral bone: A histomorphometric and micro-CT study in rats. <i>Archives of Oral Biology</i> , 2010, 55, 155-163.	1.8	37
71	SEMG activity of jaw-closing muscles during biting with different unilateral occlusal supports. <i>Journal of Oral Rehabilitation</i> , 2010, 37, 719-725.	3.0	24
72	Influence of changing occlusal support on jaw-closing muscle electromyographic activity in healthy men and women. <i>Acta Odontologica Scandinavica</i> , 2009, 67, 187-192.	1.6	23

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73	Magnetic resonance imaging on TMJ disc thickness in TMD patients: A pilot study. <i>Journal of Prosthetic Dentistry</i> , 2009, 102, 89-93.	2.8	11
74	Death and proliferation of chondrocytes in the degraded mandibular condylar cartilage of rats induced by experimentally created disordered occlusion. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 22-30.	4.9	51
75	Evaluation of the use of and attitudes towards a facebow in complete denture fabrication: a pilot questionnaire investigation in Chinese prosthodontists. <i>Journal of Oral Rehabilitation</i> , 2008, 35, 677-681.	3.0	8
76	The effect of physiological nonbalanced occlusion on the thickness of the temporomandibular joint disc: A pilot autopsy study. <i>Journal of Prosthetic Dentistry</i> , 2008, 99, 148-152.	2.8	18
77	Association of tightly locked occlusion with temporomandibular disorders. <i>Journal of Oral Rehabilitation</i> , 2007, 34, 169-173.	3.0	22
78	Effects of Mechanical Pressure on the Ultrastructure and Integrin-cytoskeleton System of Mandibular Condylar Chondrocytes(Cellular & Tissue Engineering). <i>The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics</i> , 2004, 2004.1, 105-106.	0.0	0
79	A comparative study on the intercuspal occlusion among TMD patients, malocclusion patients and university students. <i>Zhonghua Kou Qiang Yi Xue Za Zhi = Zhonghua Kouqiang Yixue Zazhi = Chinese Journal of Stomatology</i> , 2002, 37, 249-52.	0.0	1
80	A retrospective study on the relationship between aging and tomographic findings in 174 patients with TMD. <i>Oral Radiology</i> , 1999, 15, 9-17.	1.9	2