

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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	MTORC1 coordinates the autophagy and apoptosis signaling in articular chondrocytes in osteoarthritic temporomandibular joint. <i>Autophagy</i> , 2020, 16, 271-288.	9.1	158
3	Systemic inflammation induces anxiety disorder through CXCL12/CXCR4 pathway. <i>Brain, Behavior, and Immunity</i> , 2016, 56, 352-362.	4.1	108
4	Subchondral bone loss following orthodontically induced cartilage degradation in the mandibular condyles of rats. <i>Bone</i> , 2011, 48, 362-371.	2.9	100
5	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
6	Occlusal Effects on Longitudinal Bone Alterations of the Temporomandibular Joint. <i>Journal of Dental Research</i> , 2013, 92, 253-259.	5.2	76
7	Tumor suppressor NDRG2 tips the balance of oncogenic TGF- β 2 via EMT inhibition in colorectal cancer. <i>Oncogenesis</i> , 2014, 3, e86-e86.	4.9	76
8	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
9	Overexpressed TGF- β 2 in Subchondral Bone Leads to Mandibular Condyle Degradation. <i>Journal of Dental Research</i> , 2014, 93, 140-147.	5.2	56
10	RANTES and SDF-1 Are Keys in Cell-based Therapy of TMJ Osteoarthritis. <i>Journal of Dental Research</i> , 2015, 94, 1601-1609.	5.2	54
11	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
12	A possible biomechanical role of occlusal cusp-fossa contact relationships. <i>Journal of Oral Rehabilitation</i> , 2013, 40, 69-79.	3.0	51
13	Cartilage degradation in temporomandibular joint induced by unilateral anterior crossbite prosthesis. <i>Oral Diseases</i> , 2014, 20, 301-306.	3.0	51
14	β 2-adrenergic signal transduction plays a detrimental role in subchondral bone loss of temporomandibular joint in osteoarthritis. <i>Scientific Reports</i> , 2015, 5, 12593.	3.3	49
15	Unilateral anterior crossbite induces aberrant mineral deposition in degenerative temporomandibular cartilage in rats. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 921-931.	1.3	47
16	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
17	Identification of Chondrocyte Genes and Signaling Pathways in Response to Acute Joint Inflammation. <i>Scientific Reports</i> , 2019, 9, 93.	3.3	43
18	Osteochondral Interface Stiffening in Mandibular Condylar Osteoarthritis. <i>Journal of Dental Research</i> , 2018, 97, 563-570.	5.2	40

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19	Wnt5a/Ror2 Mediates Temporomandibular Joint Subchondral Bone Remodeling. <i>Journal of Dental Research</i> , 2015, 94, 803-812.	5.2	39
20	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
21	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
22	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
23	Activation of β 2A-adrenergic signal transduction in chondrocytes promotes degenerative remodelling of temporomandibular joint. <i>Scientific Reports</i> , 2016, 6, 30085.	3.3	33
24	Initiation and progression of dental-stimulated temporomandibular joints osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 633-642.	1.3	31
25	Kindlin-2 regulates skeletal homeostasis by modulating PTH1R in mice. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 297.	17.1	31
26	Matrix replenishing by BMSCs is beneficial for osteoarthritic temporomandibular joint cartilage. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1551-1562.	1.3	30
27	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
28	Norepinephrine Regulates Condylar Bone Loss via Comorbid Factors. <i>Journal of Dental Research</i> , 2015, 94, 813-820.	5.2	26
29	Stable tooth contacts in intercuspal occlusion makes for utilities of the jaw elevators during maximal voluntary clenching. <i>Journal of Oral Rehabilitation</i> , 2013, 40, 319-328.	3.0	25
30	TNF Accelerates Death of Mandibular Condyle Chondrocytes in Rats with Biomechanical Stimulation-Induced Temporomandibular Joint Disease. <i>PLoS ONE</i> , 2015, 10, e0141774.	2.5	25
31	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
32	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
33	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
34	Association of tightly locked occlusion with temporomandibular disorders. <i>Journal of Oral Rehabilitation</i> , 2007, 34, 169-173.	3.0	22
35	Experimentally created unilateral anterior crossbite induces a degenerative ossification phenotype in mandibular condyle of growing <i>prague</i> <i>Dawley</i> rats. <i>Journal of Oral Rehabilitation</i> , 2013, 40, 500-508.	3.0	20
36	Installing and thereafter removing an aberrant prosthesis elicited opposite remodelling responses in growing mouse temporomandibular joints. <i>Journal of Oral Rehabilitation</i> , 2015, 42, 685-692.	3.0	19

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37	Systemic administration of strontium or NBD peptide ameliorates early stage cartilage degradation of mouse mandibular condyles. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 178-187.	1.3	19
38	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
39	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
40	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
41	Editor's Comment and Q&A. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010, 137, 460-461.	1.7	17
42	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
43	An investigation on the simultaneously recorded occlusion contact and surface electromyographic activity for patients with unilateral temporomandibular disorders pain. <i>Journal of Electromyography and Kinesiology</i> , 2016, 28, 199-207.	1.7	15
44	Proprioceptive mechanisms in occlusion-stimulated masseter hypercontraction. <i>European Journal of Oral Sciences</i> , 2017, 125, 127-134.	1.5	15
45	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
46	Effects of occlusion modification on the remodelling of degenerative mandibular condylar processes. <i>Oral Diseases</i> , 2020, 26, 597-608.	3.0	15
47	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
48	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
49	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
50	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
51	Bilateral anterior elevation prosthesis boosts chondrocytes proliferation in mice mandibular condyle. <i>Oral Diseases</i> , 2019, 25, 1589-1599.	3.0	12
52	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
53	Molecular changes in peripheral blood involving osteoarthritic joint remodelling. <i>Journal of Oral Rehabilitation</i> , 2019, 46, 820-827.	3.0	9
54	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

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55	Long-term effect of bilateral anterior elevation of occlusion on the temporomandibular joints. <i>Oral Diseases</i> , 2022, 28, 1911-1920.	3.0	9
56	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
57	ERK potentiates p38 in central sensitization induced by traumatic occlusion. <i>Neuroscience</i> , 2017, 340, 445-454.	2.3	8
58	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. <i>Journal of Electromyography and Kinesiology</i> , 2016, 28, 114-122.	1.7	7
59	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
60	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
61	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
62	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
63	Development of a biomechanical model for dynamic occlusal stress analysis. <i>International Journal of Oral Science</i> , 2021, 13, 29.	8.6	6
64	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
65	Dental malocclusion stimulates neuromuscular circuits associated with temporomandibular disorders. <i>European Journal of Oral Sciences</i> , 2018, 126, 466-475.	1.5	5
66	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
67	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
68	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
69	Interferential effect of the over-erupted third molar on chewing movement. <i>Archives of Oral Biology</i> , 2017, 82, 147-152.	1.8	3
70	Early growth response 1 reduction in peripheral blood involving condylar subchondral bone loss. <i>Oral Diseases</i> , 2019, 25, 1759-1768.	3.0	3
71	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
72	Chondrocyte Adipogenic Differentiation in Softening Osteoarthritic Cartilage. <i>Journal of Dental Research</i> , 2022, 101, 655-663.	5.2	3

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73	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
74	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
75	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
76	Excitatory Impact of Dental Occlusion on Dorsal Motor Nucleus of Vagus. <i>Frontiers in Neural Circuits</i> , 2021, 15, 638000.	2.8	1
77	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
78	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
79	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
80	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