

Jing Xie

List of Publications by Year in descending order

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Version: 2024-02-01

209
papers

6,155
citations

76196

40
h-index

114278

63
g-index

224
all docs

224
docs citations

224
times ranked

6379
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterials and bone regeneration. <i>Bone Research</i> , 2015, 3, 15029.	5.4	415
2	Mechanical behavior of coal under different mining rates: A case study from laboratory experiments to field testing. <i>International Journal of Mining Science and Technology</i> , 2021, 31, 825-841.	4.6	182
3	Recent advances in smart stimuli-responsive biomaterials for bone therapeutics and regeneration. <i>Bone Research</i> , 2022, 10, 17.	5.4	156
4	Solvent-Free Chemical Approach to Synthesize Various Morphological Co ₃ O ₄ for CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16128-16137.	4.0	136
5	Osteogenic differentiation and bone regeneration of iPSC-MSCs supported by a biomimetic nanofibrous scaffold. <i>Acta Biomaterialia</i> , 2016, 29, 365-379.	4.1	126
6	Pyrazolone structural motif in medicinal chemistry: Retrospect and prospect. <i>European Journal of Medicinal Chemistry</i> , 2020, 186, 111893.	2.6	114
7	Deformation Damage and Energy Evolution Characteristics of Coal at Different Depths. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 1491-1503.	2.6	106
8	Associations between disordered gut microbiota and changes of neurotransmitters and short-chain fatty acids in depressed mice. <i>Translational Psychiatry</i> , 2020, 10, 350.	2.4	106
9	Astragalin Attenuates Dextran Sulfate Sodium (DSS)-Induced Acute Experimental Colitis by Alleviating Gut Microbiota Dysbiosis and Inhibiting NF- κ B Activation in Mice. <i>Frontiers in Immunology</i> , 2020, 11, 2058.	2.2	102
10	Substrate elasticity regulates adipose-derived stromal cell differentiation towards osteogenesis and adipogenesis through β -catenin transduction. <i>Acta Biomaterialia</i> , 2018, 79, 83-95.	4.1	86
11	Effective promoting piezocatalytic property of zinc oxide for degradation of organic pollutants and insight into piezocatalytic mechanism. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 290-299.	5.0	84
12	Theoretical and experimental validation of mining-enhanced permeability for simultaneous exploitation of coal and gas. <i>Environmental Earth Sciences</i> , 2015, 73, 5951-5962.	1.3	83
13	Advances in pH-Sensitive Polymers for Smart Insulin Delivery. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700413.	2.0	82
14	Self-Assembled Tetrahedral DNA Nanostructures Promote Adipose-Derived Stem Cell Migration via lncRNA XLOC 010623 and RHOA/ROCK2 Signal Pathway. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19353-19363.	4.0	80
15	Mining-Induced Coal Permeability Change Under Different Mining Layouts. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 3753-3768.	2.6	75
16	Oriented Assembly of Cell-Mimicking Nanoparticles <i>via</i> a Molecular Affinity Strategy for Targeted Drug Delivery. <i>ACS Nano</i> , 2019, 13, 5268-5277.	7.3	72
17	The formation of visible light-driven Ag/Ag ₂ O photocatalyst with excellent property of photocatalytic activity and photocorrosion inhibition. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 511-521.	5.0	71
18	Changes in the structure and mechanical properties of a typical coal induced by water immersion. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 138, 104597.	2.6	70

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19	Crosstalk between adipose-derived stem cells and chondrocytes: when growth factors matter. <i>Bone Research</i> , 2016, 4, 15036.	5.4	67
20	Softening Substrates Promote Chondrocytes Phenotype via RhoA/ROCK Pathway. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22884-22891.	4.0	67
21	Stiff substrates enhance cultured neuronal network activity. <i>Scientific Reports</i> , 2014, 4, 6215.	1.6	63
22	Calcitonin-Loaded Thermosensitive Hydrogel for Long-Term Antiosteopenia Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23428-23440.	4.0	63
23	The Role of the Lysyl Oxidases in Tissue Repair and Remodeling: A Concise Review. <i>Tissue Engineering and Regenerative Medicine</i> , 2017, 14, 15-30.	1.6	62
24	Correlations between $\hat{\pm}$ -Linolenic Acid-Improved Multitissue Homeostasis and Gut Microbiota in Mice Fed a High-Fat Diet. <i>MSystems</i> , 2020, 5, .	1.7	62
25	Anterior Cruciate Ligament Transectionâ€“Induced Cellular and Extracellular Events in Menisci: Implications for Osteoarthritis. <i>American Journal of Sports Medicine</i> , 2018, 46, 1185-1198.	1.9	61
26	Fractal evolution and connectivity characteristics of mining-induced crack networks in coal masses at different depths. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	1.3	61
27	Substrate stiffness-regulated matrix metalloproteinase output in myocardial cells and cardiac fibroblasts: Implications for myocardial fibrosis. <i>Acta Biomaterialia</i> , 2014, 10, 2463-2472.	4.1	57
28	Nanoparticles Targeted against Cryptococcal Pneumonia by Interactions between Chitosan and Its Peptide Ligand. <i>Nano Letters</i> , 2018, 18, 6207-6213.	4.5	57
29	The mechanism of microwave rock breaking and its potential application to rock-breaking technology in drilling. <i>Petroleum Science</i> , 2022, 19, 1110-1124.	2.4	57
30	Understanding the Biomedical Effects of the Self-Assembled Tetrahedral DNA Nanostructure on Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12733-12739.	4.0	56
31	Dahlia-shaped BiOCl x l 1âˆ“x structures prepared by a facile solid-state method: Evidence and mechanism of improved photocatalytic degradation of rhodamine B dye. <i>Journal of Colloid and Interface Science</i> , 2017, 503, 115-123.	5.0	56
32	Role of Mitochondria in Physiology of Chondrocytes and Diseases of Osteoarthritis and Rheumatoid Arthritis. <i>Cartilage</i> , 2021, 13, 1102S-1121S.	1.4	53
33	Angiogenesis in a 3D model containing adipose tissue stem cells and endothelial cells is mediated by canonical Wnt signaling. <i>Bone Research</i> , 2017, 5, 17048.	5.4	52
34	Gold standard for nutrition: a review of human milk oligosaccharide and its effects on infant gut microbiota. <i>Microbial Cell Factories</i> , 2021, 20, 108.	1.9	52
35	Boosting the piezocatalytic performance of Bi₂WO₆ nanosheets towards the degradation of organic pollutants. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2096-2102.	3.2	50
36	TGF-beta1 induces the different expressions of lysyl oxidases and matrix metalloproteinases in anterior cruciate ligament and medial collateral ligament fibroblasts after mechanical injury. <i>Journal of Biomechanics</i> , 2013, 46, 890-898.	0.9	47

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37	Coal permeability model on the effect of gas extraction within effective influence zone. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2015, 1, 15-27.	1.3	46
38	Substrate Stiffness Together with Soluble Factors Affects Chondrocyte Mechanoresponses. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16106-16116.	4.0	45
39	Energy Evolution of Coal at Different Depths Under Unloading Conditions. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 4637-4649.	2.6	44
40	Solid-state synthesis of SnO ₂ â€“graphene nanocomposite for photocatalysis and formaldehyde gas sensing. <i>RSC Advances</i> , 2014, 4, 46179-46186.	1.7	43
41	Interleukin-1β and tumor necrosis factor-α increase stiffness and impair contractile function of articular chondrocytes. <i>Acta Biochimica Et Biophysica Sinica</i> , 2015, 47, 121-129.	0.9	43
42	Effects of low oxygen tension on gene profile of soluble growth factors in coâ€“cultured adiposeâ€“derived stromal cells and chondrocytes. <i>Cell Proliferation</i> , 2016, 49, 341-351.	2.4	43
43	Runt-related transcription factor 1 is required for murine osteoblast differentiation and bone formation. <i>Journal of Biological Chemistry</i> , 2020, 295, 11669-11681.	1.6	43
44	Age-specific differential changes on gut microbiota composition in patients with major depressive disorder. <i>Aging</i> , 2020, 12, 2764-2776.	1.4	43
45	Runx1 protects against the pathological progression of osteoarthritis. <i>Bone Research</i> , 2021, 9, 50.	5.4	40
46	DNA methylation is critical for tooth agenesis: implications for sporadic non-syndromic anodontia and hypodontia. <i>Scientific Reports</i> , 2016, 6, 19162.	1.6	39
47	A thermo-sensitive injectable hydroxypropyl chitin hydrogel for sustained salmon calcitonin release with enhanced osteogenesis and hypocalcemic effects. <i>Journal of Materials Chemistry B</i> , 2020, 8, 270-281.	2.9	39
48	The role of stromal cell-derived factor 1 on cartilage development and disease. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 313-322.	0.6	38
49	A solid-state chemical method for synthesizing MgO nanoparticles with superior adsorption properties. <i>RSC Advances</i> , 2019, 9, 2011-2017.	1.7	37
50	Gap junction-mediated cell-to-cell communication in oral development and oral diseases: a concise review of research progress. <i>International Journal of Oral Science</i> , 2020, 12, 17.	3.6	37
51	Microenvironmental stiffness mediates cytoskeleton re-organization in chondrocytes through laminin-FAK mechanotransduction. <i>International Journal of Oral Science</i> , 2022, 14, 15.	3.6	37
52	Substrate mechanics dictate cell-cell communication by gap junctions in stem cells from human apical papilla. <i>Acta Biomaterialia</i> , 2020, 107, 178-193.	4.1	35
53	TGFâ€“Î²1 promotes gap junctions formation in chondrocytes via Smad3/Smad4 signalling. <i>Cell Proliferation</i> , 2019, 52, e12544.	2.4	34
54	Research progress in the biological activities of 3,4,5-trimethoxycinnamic acid (TMCA) derivatives. <i>European Journal of Medicinal Chemistry</i> , 2019, 173, 213-227.	2.6	33

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55	Osteoporosis-decreased extracellular matrix stiffness impairs connexin 43-mediated gap junction intercellular communication in osteocytes. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 517-526.	0.9	33
56	Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) Based Electrospun 3D Scaffolds for Delivery of Autogenic Chondrocytes and Adipose-Derived Stem Cells: Evaluation of Cartilage Defects in Rabbit. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 105-116.	0.5	32
57	The effects of interleukin-1 β in modulating osteoclast-conditioned medium's influence on gelatinases in chondrocytes through mitogen-activated protein kinases. <i>International Journal of Oral Science</i> , 2015, 7, 220-231.	3.6	32
58	Urinary metabolite signature in bipolar disorder patients during depressive episode. <i>Aging</i> , 2019, 11, 1008-1018.	1.4	32
59	Compliant substratum modulates vinculin expression in focal adhesion plaques in skeletal cells. <i>International Journal of Oral Science</i> , 2019, 11, 18.	3.6	32
60	Recent Advances of Self-Healing Polymer Materials via Supramolecular Forces for Biomedical Applications. <i>Biomacromolecules</i> , 2022, 23, 641-660.	2.6	32
61	Interleukin-1 beta influences on lysyl oxidases and matrix metalloproteinases profile of injured anterior cruciate ligament and medial collateral ligament fibroblasts. <i>International Orthopaedics</i> , 2013, 37, 495-505.	0.9	31
62	The Stress Sensitivity and Porosity Sensitivity of Coal Permeability at Different Depths: A Case Study in the Pingdingshan Mining Area. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 1539-1563.	2.6	30
63	The role of TGF- β 2 in cartilage development and diseases. <i>Bone and Joint Research</i> , 2021, 10, 474-487.	1.3	30
64	Pu-erh Tea Water Extract Mediates Cell Cycle Arrest and Apoptosis in MDA-MB-231 Human Breast Cancer Cells. <i>Frontiers in Pharmacology</i> , 2017, 8, 190.	1.6	29
65	Substrate Compliance Directs the Osteogenic Lineages of Stem Cells from the Human Apical Papilla via the Processes of Mechanosensing and Mechanotransduction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26448-26459.	4.0	29
66	Promotion of the osteogenic activity of an antibacterial polyaniline coating by electrical stimulation. <i>Biomaterials Science</i> , 2019, 7, 4730-4737.	2.6	29
67	Experimental investigation on the anisotropic fractal characteristics of the rock fracture surface and its application on the fluid flow description. <i>Journal of Petroleum Science and Engineering</i> , 2020, 191, 107190.	2.1	29
68	Defect engineering of high-performance potassium sodium niobate piezoelectric ceramics sintered in reducing atmosphere. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2024-2033.	1.9	28
69	Biomaterial Stiffness Guides Cross-talk between Chondrocytes: Implications for a Novel Cellular Response in Cartilage Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4476-4489.	2.6	28
70	Gellan gum/alginate-based Ca-enriched acellular bilayer hydrogel with robust interface bonding for effective osteochondral repair. <i>Carbohydrate Polymers</i> , 2021, 270, 118382.	5.1	28
71	Adipogenic differentiation potential of adipose-derived mesenchymal stem cells from ovariectomized mice. <i>Cell Proliferation</i> , 2014, 47, 604-614.	2.4	27
72	Tea Polyphenol-Functionalized Graphene/Chitosan as an Experimental Platform with Improved Mechanical Behavior and Bioactivity. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20893-20901.	4.0	27

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73	Numerical simulation of spatial distributions of mining-induced stress and fracture fields for three coal mining layouts. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2018, 10, 907-913.	3.7	27
74	Hexapeptide-conjugated calcitonin for targeted therapy of osteoporosis. <i>Journal of Controlled Release</i> , 2019, 304, 39-50.	4.8	27
75	Age-specific urinary metabolite signatures and functions in patients with major depressive disorder. <i>Aging</i> , 2019, 11, 6626-6637.	1.4	27
76	Smad signal pathway regulates angiogenesis via endothelial cell in an adipose-derived stromal cell/endothelial cell co-culture, 3D gel model. <i>Molecular and Cellular Biochemistry</i> , 2016, 412, 281-288.	1.4	26
77	Transforming growth factor- β 1 up-regulates connexin43 expression in osteocytes via canonical Smad-dependent signaling pathway. <i>Bioscience Reports</i> , 2018, 38, .	1.1	26
78	<i>Rhodomyrtus tomentosa</i> (Aiton.): A review of phytochemistry, pharmacology and industrial applications research progress. <i>Food Chemistry</i> , 2020, 309, 125715.	4.2	26
79	Role of the fibroblast growth factor 19 in the skeletal system. <i>Life Sciences</i> , 2021, 265, 118804.	2.0	26
80	Lipid metabolism in cartilage and its diseases: a concise review of the research progress. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 517-527.	0.9	25
81	Cartilage-Inspired Hydrogel with Mechanical Adaptability, Controllable Lubrication, and Inflammation Regulation Abilities. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 27360-27370.	4.0	25
82	Inhibition of the fibrillation of highly amyloidogenic human calcitonin by cucurbit[7]uril with improved bioactivity. <i>Acta Biomaterialia</i> , 2018, 78, 178-188.	4.1	24
83	Absence of gut microbiota affects lipid metabolism in the prefrontal cortex of mice. <i>Neurological Research</i> , 2019, 41, 1104-1112.	0.6	24
84	Characterization of Anisotropic Fracture Properties of Silurian Longmaxi Shale. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 665-678.	2.6	24
85	The role of fibroblast growth factor 8 in cartilage development and disease. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 990-999.	1.6	24
86	Lessons Learnt from Measurements of Vertical Pressure at a Top Coal Mining Face at Datong Tashan Mines, China. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 2977-2983.	2.6	23
87	Hypoxia enhances angiogenesis in an adipose-derived stromal cell/endothelial cell co-culture 3D gel model. <i>Cell Proliferation</i> , 2016, 49, 236-245.	2.4	23
88	TGF- β 1 facilitates cell-cell communication in osteocytes via connexin43- and pannexin1-dependent gap junctions. <i>Cell Death Discovery</i> , 2019, 5, 141.	2.0	23
89	Preparation and characterisation of a gellan gum-based hydrogel enabling osteogenesis and inhibiting <i>Enterococcus faecalis</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2964-2973.	3.6	23
90	Engineering CuO _x -ZrO ₂ -CeO ₂ nanocatalysts with abundant surface Cu species and oxygen vacancies toward high catalytic performance in CO oxidation and 4-nitrophenol reduction. <i>CrystEngComm</i> , 2020, 22, 4005-4013.	1.3	23

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91	CTGF facilitates cell-cell communication in chondrocytes via PI3K/Akt signalling pathway. <i>Cell Proliferation</i> , 2021, 54, e13001.	2.4	23
92	Anisotropy of the effective porosity and stress sensitivity of coal permeability considering natural fractures. <i>Energy Reports</i> , 2021, 7, 3898-3910.	2.5	23
93	Up-regulation expressions of lysyl oxidase family in Anterior Cruciate Ligament and Medial Collateral Ligament fibroblasts induced by Transforming Growth Factor-Beta 1. <i>International Orthopaedics</i> , 2012, 36, 207-213.	0.9	22
94	A solvent-free strategy to realize the substitution of IO_3^- for IO_3^- photocatalyst with an opposite charge transfer path. <i>Green Chemistry</i> , 2020, 22, 1424-1431.	4.6	22
95	Gut Microbiota-Derived Inflammation-Related Serum Metabolites as Potential Biomarkers for Major Depressive Disorder. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 3755-3766.	1.6	22
96	Recent advances of zwitterionic-based topological polymers for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2338-2356.	2.9	22
97	Exploration of weakening mechanism of uniaxial compressive strength of deep sandstone under microwave irradiation. <i>Journal of Central South University</i> , 2022, 29, 611-623.	1.2	22
98	Influence of TNF- α and biomechanical stress on matrix metalloproteinases and lysyl oxidases expressions in human knee synovial fibroblasts. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 1997-2006.	2.3	21
99	Microenvironmental Stiffness Regulates Dental Papilla Cell Differentiation: Implications for the Importance of Fibronectin-Paxillin-Catenin Axis. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26917-26927.	4.0	21
100	A stimuli-responsive insulin delivery system based on reversible phenylboronate modified cyclodextrin with glucose triggered host-guest interaction. <i>International Journal of Pharmaceutics</i> , 2018, 548, 649-658.	2.6	21
101	Insights into Crystal Facets of Perovskite SrSnO_3 as High-Performance Photocatalysts toward Environmental Remediation. <i>Chemistry - A European Journal</i> , 2018, 24, 14111-14118.	1.7	21
102	The involvement of the ERK-MAPK pathway in TGF- β 1-mediated connexin43-gap junction formation in chondrocytes. <i>Connective Tissue Research</i> , 2019, 60, 477-486.	1.1	21
103	PDGF-AA promotes cell-to-cell communication in osteocytes through PI3K/Akt signaling pathway. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 1640-1649.	0.9	21
104	TNF- α induced down-regulation of lysyl oxidase family in anterior cruciate ligament and medial collateral ligament fibroblasts. <i>Knee</i> , 2014, 21, 47-53.	0.8	20
105	Parathyroid hormone ameliorates temporomandibular joint osteoarthritic-like changes related to age. <i>Cell Proliferation</i> , 2020, 53, e12755.	2.4	20
106	Programmed antibacterial and mineralization therapy for dental caries based on zinc-substituted hydroxyapatite/alendronate-grafted polyacrylic acid hybrid material. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111206.	2.5	20
107	Evidence for excessive osteoclast activation in SIRT6 null mice. <i>Scientific Reports</i> , 2018, 8, 10992.	1.6	19
108	Berberine mediates root remodeling in an immature tooth with apical periodontitis by regulating stem cells from apical papilla differentiation. <i>International Journal of Oral Science</i> , 2020, 12, 18.	3.6	19

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109	Gas flow characteristics of coal samples with different levels of fracture network complexity under triaxial loading and unloading conditions. <i>Journal of Petroleum Science and Engineering</i> , 2020, 195, 107606.	2.1	19
110	Extracellular Matrix Elasticity Regulates Osteocyte Gap Junction Elongation: Involvement of Paxillin in Intracellular Signal Transduction. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 1013-1026.	1.1	18
111	Differential expressions of lysyl oxidase family in ACL and MCL fibroblasts after mechanical injury. <i>Injury</i> , 2013, 44, 893-900.	0.7	17
112	Gene profile of soluble growth factors involved in angiogenesis, in an adipose-derived stromal cell/endothelial cell co-culture, 3D gel model. <i>Cell Proliferation</i> , 2015, 48, 405-412.	2.4	17
113	Elliptical fracture network modeling with validation in Datong Mine, China. <i>Environmental Earth Sciences</i> , 2015, 73, 7089-7101.	1.3	17
114	Physiological oxygen tension modulates soluble growth factor profile after crosstalk between chondrocytes and osteoblasts. <i>Cell Proliferation</i> , 2016, 49, 122-133.	2.4	17
115	Compliant Substratum Changes Osteocyte Functions: The Role of ITGB3/FAK/ β -Catenin Signaling Matters. <i>ACS Applied Bio Materials</i> , 2018, 1, 792-801.	2.3	17
116	A Review of Traditional Uses, Phytochemistry, and Pharmacological Properties of the Genus <i>Saururus</i> . <i>The American Journal of Chinese Medicine</i> , 2020, 48, 47-76.	1.5	17
117	Spatiotemporally controlled calcitonin delivery: Long-term and targeted therapy of skeletal diseases. <i>Journal of Controlled Release</i> , 2021, 338, 486-504.	4.8	17
118	Zwitterionic polymer modified xanthan gum with collagen II-binding capability for lubrication improvement and ROS scavenging. <i>Carbohydrate Polymers</i> , 2021, 274, 118672.	5.1	17
119	Substrate stiffness regulates the differentiation profile and functions of osteoclasts via cytoskeletal arrangement. <i>Cell Proliferation</i> , 2022, 55, e13172.	2.4	17
120	Relevance between abutment pressure and fractal dimension of crack network induced by mining. <i>International Journal of Mining Science and Technology</i> , 2013, 23, 925-930.	4.6	16
121	Modulation of MMP-2 and MMP-9 through connected pathways and growth factors is critical for extracellular matrix balance of intra-articular ligaments. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e550-e565.	1.3	16
122	Co-infection of vvMDV with multiple subgroups of avian leukosis viruses in indigenous chicken flocks in China. <i>BMC Veterinary Research</i> , 2019, 15, 288.	0.7	16
123	Iron carbide/nitrogen-doped carbon core-shell nanostructures: Solution-free synthesis and superior oxygen reduction performance. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 194-201.	5.0	16
124	Transforming growth factor- β 1-induced N-cadherin drives cell-cell communication through connexin43 in osteoblast lineage. <i>International Journal of Oral Science</i> , 2021, 13, 15.	3.6	16
125	Experimental and molecular dynamics study into the surfactant effect upon coal wettability. <i>RSC Advances</i> , 2021, 11, 24543-24555.	1.7	16
126	In situ solid-state fabrication of hybrid AgCl/AgI/AgIO ₃ with improved UV-to-visible photocatalytic performance. <i>Scientific Reports</i> , 2017, 7, 12365.	1.6	15

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127	Combined effects of tumor necrosis factor α and interleukin 1β on lysyl oxidase and matrix metalloproteinase expression in human knee synovial fibroblasts <i>in vitro</i> . <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 5258-5266.	0.8	15
128	The asarone-derived phenylpropanoids from the rhizome of <i>Acorus calamus</i> var. <i>angustatus</i> Besser. <i>Phytochemistry</i> , 2020, 170, 112212.	1.4	15
129	Gp37 Regulates the Pathogenesis of Avian Leukosis Virus Subgroup J via Its C Terminus. <i>Journal of Virology</i> , 2020, 94, .	1.5	15
130	A Stable Cell Membrane-Based Coating with Antibiofouling and Macrophage Immunoregulatory Properties for Implants at the Macroscopic Level. <i>Chemistry of Materials</i> , 2021, 33, 7994-8006.	3.2	15
131	Interstitial N-doped SrSnO ₃ perovskite: structural design, modification and photocatalytic degradation of dyes. <i>New Journal of Chemistry</i> , 2019, 43, 10965-10972.	1.4	14
132	Stiffness and topography of biomaterials dictate cell-matrix interaction in musculoskeletal cells at the bio-interface: A concise progress review. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 2426-2440.	1.6	14
133	The virulence factor GroEL directs the osteogenic and adipogenic differentiation of human periodontal ligament stem cells through the involvement of JNK/MAPK and NF κ B signaling. <i>Journal of Periodontology</i> , 2021, 92, 103-115.	1.7	14
134	Quality of Cuttlefish as Affected by Different Thawing Methods. <i>International Journal of Food Properties</i> , 2022, 25, 33-52.	1.3	14
135	Osteoblasts induce glucose-derived ATP perturbations in chondrocytes through noncontact communication. <i>Acta Biochimica Et Biophysica Sinica</i> , 2022, 54, 625-636.	0.9	14
136	TGF β signalling pathway regulates angiogenesis by endothelial cells, in an adipose-derived stromal cell/endothelial cell co-culture 3D gel model. <i>Cell Proliferation</i> , 2015, 48, 729-737.	2.4	13
137	P34HB film promotes cell adhesion, <i>in vitro</i> proliferation, and <i>in vivo</i> cartilage repair. <i>RSC Advances</i> , 2015, 5, 21572-21579.	1.7	13
138	FGF-7 Dictates Osteocyte Cell Processes Through Beta-Catenin Transduction. <i>Scientific Reports</i> , 2018, 8, 14792.	1.6	13
139	Osteoblasts impair cholesterol synthesis in chondrocytes via Notch1 signalling. <i>Cell Proliferation</i> , 2021, 54, e13156.	2.4	13
140	Research and application of thermal insulation effect of natural gas hydrate freezing corer based on the wireline-coring principle. <i>Petroleum Science</i> , 2022, 19, 1291-1304.	2.4	13
141	An injectable gellan gum-based hydrogel that inhibits <i>Staphylococcus aureus</i> for infected bone defect repair. <i>Journal of Materials Chemistry B</i> , 2022, 10, 282-292.	2.9	13
142	An <i>in situ</i> solid-state heredity-restriction strategy to introduce oxygen defects into TiO ₂ with enhanced photocatalytic performance. <i>CrystEngComm</i> , 2018, 20, 6156-6164.	1.3	12
143	Solvent-free Strategy of Photocarriers Accumulated Site and Separated Path for Porous Hollow Spindle-shaped BiPO ₄ . <i>ChemCatChem</i> , 2018, 10, 3777-3785.	1.8	12
144	Tissue specificity of (E)- β -farnesene and germacrene D accumulation in pyrethrum flowers. <i>Phytochemistry</i> , 2021, 187, 112768.	1.4	12

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