

Jing Xie

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1512094/jing-xie-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

200
papers

3,446
citations

32
h-index

47
g-index

224
ext. papers

4,843
ext. citations

5.9
avg, IF

5.9
L-index

#	Paper	IF	Citations
200	Nanomaterials and bone regeneration. <i>Bone Research</i> , 2015 , 3, 15029	13.3	321
199	Osteogenic differentiation and bone regeneration of iPSC-MSCs supported by a biomimetic nanofibrous scaffold. <i>Acta Biomaterialia</i> , 2016 , 29, 365-379	10.8	107
198	Solvent-Free Chemical Approach to Synthesize Various Morphological CoO for CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16128-16137	9.5	97
197	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, 825-825	7.1	94
196	Cover Image, Volume 52, Issue 2. <i>Cell Proliferation</i> , 2019 , 52, e12619	7.9	78
195	Theoretical and experimental validation of mining-enhanced permeability for simultaneous exploitation of coal and gas. <i>Environmental Earth Sciences</i> , 2015 , 73, 5951-5962	2.9	67
194	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, 19353-63	9.5	62
193	Deformation Damage and Energy Evolution Characteristics of Coal at Different Depths. <i>Rock Mechanics and Rock Engineering</i> , 2019 , 52, 1491-1503	5.7	59
192	Softening Substrates Promote Chondrocytes Phenotype via RhoA/ROCK Pathway. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22884-91	9.5	55
191	Crosstalk between adipose-derived stem cells and chondrocytes: when growth factors matter. <i>Bone Research</i> , 2016 , 4, 15036	13.3	55
190	Mining-Induced Coal Permeability Change Under Different Mining Layouts. <i>Rock Mechanics and Rock Engineering</i> , 2016 , 49, 3753-3768	5.7	53
189	Advances in pH-Sensitive Polymers for Smart Insulin Delivery. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700413	4.8	50
188	Pyrazolone structural motif in medicinal chemistry: Retrospect and prospect. <i>European Journal of Medicinal Chemistry</i> , 2020 , 186, 111893	6.8	49
187	Calcitonin-Loaded Thermosensitive Hydrogel for Long-Term Antiosteopenia Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23428-23440	9.5	48
186	Substrate elasticity regulates adipose-derived stromal cell differentiation towards osteogenesis and adipogenesis through Eatenin transduction. <i>Acta Biomaterialia</i> , 2018 , 79, 83-95	10.8	47
185	Substrate stiffness-regulated matrix metalloproteinase output in myocardial cells and cardiac fibroblasts: implications for myocardial fibrosis. <i>Acta Biomaterialia</i> , 2014 , 10, 2463-72	10.8	45
184	Oriented Assembly of Cell-Mimicking Nanoparticles via a Molecular Affinity Strategy for Targeted Drug Delivery. <i>ACS Nano</i> , 2019 , 13, 5268-5277	16.7	43

183	Stiff substrates enhance cultured neuronal network activity. <i>Scientific Reports</i> , 2014 , 4, 6215	4.9	43
182	Understanding the Biomedical Effects of the Self-Assembled Tetrahedral DNA Nanostructure on Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12733-9	9.5	43
181	Associations between disordered gut microbiota and changes of neurotransmitters and short-chain fatty acids in depressed mice. <i>Translational Psychiatry</i> , 2020 , 10, 350	8.6	41
180	Solid-state synthesis of SnO ₂ /graphene nanocomposite for photocatalysis and formaldehyde gas sensing. <i>RSC Advances</i> , 2014 , 4, 46179-46186	3.7	40
179	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	13.3	40
178	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	3.8	40
177	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, 890-8	2.9	39
176	The formation of visible light-driven Ag/AgO photocatalyst with excellent property of photocatalytic activity and photocorrosion inhibition. <i>Journal of Colloid and Interface Science</i> , 2018 , 516, 511-521	9.3	38
175	Dahlia-shaped BiOCl 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	9.3	37
174	Effects of low oxygen tension on gene profile of soluble growth factors in co-cultured adipose-derived stromal cells and chondrocytes. <i>Cell Proliferation</i> , 2016 , 49, 341-51	7.9	37
173	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	3.8	37
172	Substrate stiffness together with soluble factors affects chondrocyte mechanoresponses. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16106-16	9.5	36
171	Nanoparticles Targeted against Cryptococcal Pneumonia by Interactions between Chitosan and Its Peptide Ligand. <i>Nano Letters</i> , 2018 , 18, 6207-6213	11.5	36
170	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	4.5	33
169	Anterior Cruciate Ligament Transection-Induced Cellular and Extracellular Events in Menisci: Implications for Osteoarthritis. <i>American Journal of Sports Medicine</i> , 2018 , 46, 1185-1198	6.8	33
168	Interleukin-1 and tumor necrosis factor- increase stiffness and impair contractile function of articular chondrocytes. <i>Acta Biochimica Et Biophysica Sinica</i> , 2015 , 47, 121-9	2.8	30
167	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, 105-16	4	29
166	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	3.8	26

165	Age-specific differential changes on gut microbiota composition in patients with major depressive disorder. <i>Aging</i> , 2020 , 12, 2764-2776	5.6	26
164	Urinary metabolite signature in bipolar disorder patients during depressive episode. <i>Aging</i> , 2019 , 11, 1008-1018	5.6	25
163	DNA methylation is critical for tooth agenesis: implications for sporadic non-syndromic anodontia and hypodontia. <i>Scientific Reports</i> , 2016 , 6, 19162	4.9	25
162	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	7.3	25
161	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	8.4	25
160	A solid-state chemical method for synthesizing MgO nanoparticles with superior adsorption properties.. <i>RSC Advances</i> , 2019 , 9, 2011-2017	3.7	24
159	The mechanism of microwave rock breaking and its potential application to rock-breaking technology in drilling. <i>Petroleum Science</i> , 2022 ,	4.4	24
158	Tea Polyphenol-Functionalized Graphene/Chitosan as an Experimental Platform with Improved Mechanical Behavior and Bioactivity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20893-901	9.5	23
157	Correlations between ω -linolenic Acid-Improved Multitissue Homeostasis and Gut Microbiota in Mice Fed a High-Fat Diet. <i>MSystems</i> , 2020 , 5,	7.6	23
156	Boosting the piezocatalytic performance of Bi ₂ WO ₆ nanosheets towards the degradation of organic pollutants. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2096-2102	7.8	22
155	The effects of interleukin-1 β in modulating osteoclast-conditioned medium β influence on gelatinases in chondrocytes through mitogen-activated protein kinases. <i>International Journal of Oral Science</i> , 2015 , 7, 220-31	27.9	22
154	Adipogenic differentiation potential of adipose-derived mesenchymal stem cells from ovariectomized mice. <i>Cell Proliferation</i> , 2014 , 47, 604-14	7.9	22
153	TGF- β promotes gap junctions formation in chondrocytes via Smad3/Smad4 signalling. <i>Cell Proliferation</i> , 2019 , 52, e12544	7.9	22
152	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	3.8	21
151	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, 207-13	3.8	21
150	Energy Evolution of Coal at Different Depths Under Unloading Conditions. <i>Rock Mechanics and Rock Engineering</i> , 2019 , 52, 4637-4649	5.7	20
149	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	6.8	20
148	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	27.9	20

147	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	9.3	18
146	Substrate mechanics dictate cell-cell communication by gap junctions in stem cells from human apical papilla. <i>Acta Biomaterialia</i> , 2020 , 107, 178-193	10.8	18
145	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	5.7	18
144	Inhibition of the fibrillation of highly amyloidogenic human calcitonin by cucurbit[7]uril with improved bioactivity. <i>Acta Biomaterialia</i> , 2018 , 78, 178-188	10.8	18
143	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	9.5	18
142	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	5.6	18
141	Hypoxia enhances angiogenesis in an adipose-derived stromal cell/endothelial cell co-culture 3D gel model. <i>Cell Proliferation</i> , 2016 , 49, 236-45	7.9	17
140	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	6.5	17
139	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	5.5	17
138	Age-specific urinary metabolite signatures and functions in patients with major depressive disorder. <i>Aging</i> , 2019 , 11, 6626-6637	5.6	17
137	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	4.4	17
136	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	6	17
135	Transforming growth factor- β up-regulates connexin43 expression in osteocytes via canonical Smad-dependent signaling pathway. <i>Bioscience Reports</i> , 2018 , 38,	4.1	17
134	Runt-related transcription factor 1 is required for murine osteoblast differentiation and bone formation. <i>Journal of Biological Chemistry</i> , 2020 , 295, 11669-11681	5.4	16
133	Insights into Crystal Facets of Perovskite SrSnO as High-Performance Photocatalysts toward Environmental Remediation. <i>Chemistry - A European Journal</i> , 2018 , 24, 14111-14118	4.8	16
132	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	5.7	16
131	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	5.3	16
130	Compliant substratum modulates vinculin expression in focal adhesion plaques in skeletal cells. <i>International Journal of Oral Science</i> , 2019 , 11, 18	27.9	15

129	Differential expressions of lysyl oxidase family in ACL and MCL fibroblasts after mechanical injury. <i>Injury</i> , 2013 , 44, 893-900	2.5	15
128	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, 405-12	7.9	15
127	Physiological oxygen tension modulates soluble growth factor profile after crosstalk between chondrocytes and osteoblasts. <i>Cell Proliferation</i> , 2016 , 49, 122-33	7.9	15
126	Promotion of the osteogenic activity of an antibacterial polyaniline coating by electrical stimulation. <i>Biomaterials Science</i> , 2019 , 7, 4730-4737	7.4	14
125	Hexapeptide-conjugated calcitonin for targeted therapy of osteoporosis. <i>Journal of Controlled Release</i> , 2019 , 304, 39-50	11.7	14
124	Evidence for excessive osteoclast activation in SIRT6 null mice. <i>Scientific Reports</i> , 2018 , 8, 10992	4.9	14
123	Rhodomyrtus tomentosa (Aiton.): A review of phytochemistry, pharmacology and industrial applications research progress. <i>Food Chemistry</i> , 2020 , 309, 125715	8.5	14
122	Recent advances in smart stimuli-responsive biomaterials for bone therapeutics and regeneration.. <i>Bone Research</i> , 2022 , 10, 17	13.3	14
121	Absence of gut microbiota affects lipid metabolism in the prefrontal cortex of mice. <i>Neurological Research</i> , 2019 , 41, 1104-1112	2.7	13
120	The involvement of the ERK-MAPK pathway in TGF- β -mediated connexin43-gap junction formation in chondrocytes. <i>Connective Tissue Research</i> , 2019 , 60, 477-486	3.3	13
119	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, 281-8	4.2	13
118	Microenvironmental Stiffness Regulates Dental Papilla Cell Differentiation: Implications for the Importance of Fibronectin-Paxillin-ECatenin Axis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26917-26927	2.5	13
117	Compliant Substratum Changes Osteocyte Functions: The Role of ITGB3/FAK/ECatenin Signaling Matters.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 792-801	4.1	13
116	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	3.9	13
115	In situ solid-state fabrication of hybrid AgCl/AgI/AgIO with improved UV-to-visible photocatalytic performance. <i>Scientific Reports</i> , 2017 , 7, 12365	4.9	12
114	Elliptical fracture network modeling with validation in Datong Mine, China. <i>Environmental Earth Sciences</i> , 2015 , 73, 7089-7101	2.9	12
113	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	4.4	12
112	TGF- β facilitates cell-cell communication in osteocytes via connexin43- and pannexin1-dependent gap junctions. <i>Cell Death Discovery</i> , 2019 , 5, 141	6.9	12

111	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	2.6	12
110	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	7.1	12
109	Combined effects of tumor necrosis factor- α and interleukin-1 β on lysyl oxidase and matrix metalloproteinase expression in human knee synovial fibroblasts. <i>Experimental and Therapeutic Medicine</i> , 2017 , 14, 5258-5266	2.1	12
108	Gellan gum/alginate-based Ca-enriched acellular bilayer hydrogel with robust interface bonding for effective osteochondral repair. <i>Carbohydrate Polymers</i> , 2021 , 270, 118382	10.3	12
107	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	9.3	11
106	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, 729-37	7.9	11
105	Parathyroid hormone ameliorates temporomandibular joint osteoarthritic-like changes related to age. <i>Cell Proliferation</i> , 2020 , 53, e12755	7.9	10
104	A solvent-free strategy to realize the substitution of I ⁻ for IO ₃ ⁻ in a BiOIO ₃ photocatalyst with an opposite charge transfer path. <i>Green Chemistry</i> , 2020 , 22, 1424-1431	10	10
103	Solvent-free Strategy of Photocarriers Accumulated Site and Separated Path for Porous Hollow Spindle-Shaped BiPO ₄ . <i>ChemCatChem</i> , 2018 , 10, 3777-3785	5.2	10
102	Differential expressions of the lysyl oxidase family and matrix metalloproteinases-1, 2, 3 in posterior cruciate ligament fibroblasts after being co-cultured with synovial cells. <i>International Orthopaedics</i> , 2015 , 39, 183-91	3.8	10
101	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	2.8	10
100	An in situ solid-state heredity-restriction strategy to introduce oxygen defects into TiO ₂ with enhanced photocatalytic performance. <i>CrystEngComm</i> , 2018 , 20, 6156-6164	3.3	10
99	Detecting the Formation and Transformation of Oligomers during Insulin Fibrillation by a Dendrimer Conjugated with Aggregation-Induced Emission Molecule. <i>Bioconjugate Chemistry</i> , 2017 , 28, 944-956	6.3	9
98	P34HB film promotes cell adhesion, in vitro proliferation, and in vivo cartilage repair. <i>RSC Advances</i> , 2015 , 5, 21572-21579	3.7	9
97	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	27.9	9
96	Gp37 Regulates the Pathogenesis of Avian Leukosis Virus Subgroup J via Its C Terminus. <i>Journal of Virology</i> , 2020 , 94,	6.6	9
95	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	2.7	9
94	Role of the fibroblast growth factor 19 in the skeletal system. <i>Life Sciences</i> , 2021 , 265, 118804	6.8	9

93	The role of stromal cell-derived factor 1 on cartilage development and disease. <i>Osteoarthritis and Cartilage</i> , 2021 , 29, 313-322	6.2	9
92	Anisotropy of the effective porosity and stress sensitivity of coal permeability considering natural fractures. <i>Energy Reports</i> , 2021 , 7, 3898-3910	4.6	9
91	Engineering CuOxZrO2TeO2 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	3.3	8
90	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	6	8
89	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	4.4	8
88	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	5.5	8
87	Substrate elasticity regulates vascular endothelial growth factor A (VEGFA) expression in adipose-derived stromal cells: Implications for potential angiogenesis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 175, 576-585	6	8
86	FGF-7 Dictates Osteocyte Cell Processes Through Beta-Catenin Transduction. <i>Scientific Reports</i> , 2018 , 8, 14792	4.9	8
85	A Review of Traditional Uses, Phytochemistry, and Pharmacological Properties of the Genus. <i>The American Journal of Chinese Medicine</i> , 2020 , 48, 47-76	6	7
84	A chicken liver cell line efficiently supports the replication of ALV-J possibly through its high level viral receptor and efficient protein expression system. <i>Veterinary Research</i> , 2018 , 49, 41	3.8	7
83	Preparation and characterisation of a gellan gum-based hydrogel enabling osteogenesis and inhibiting Enterococcus faecalis. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 2964-2973	3.9	7
82	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	6.4	7
81	Fracture size estimation using data from multiple boreholes. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2016 , 86, 29-41	6	7
80	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	2.1	7
79	Titanium particles up-regulate the activity of matrix metalloproteinase-2 in human synovial cells. <i>International Orthopaedics</i> , 2014 , 38, 1091-8	3.8	6
78	Tetraploid complementation proves pluripotency of induced pluripotent stem cells derived from adipose tissue. <i>Cell Proliferation</i> , 2015 , 48, 39-46	7.9	6
77	Influences of Tumor Necrosis Factor- α on Lysyl Oxidases and Matrix Metalloproteinases of Injured Anterior Cruciate Ligament and Medial Collateral Ligament Fibroblasts. <i>Journal of Knee Surgery</i> , 2017 , 30, 78-87	2.4	5
76	Interstitial N-doped SrSnO3 perovskite: structural design, modification and photocatalytic degradation of dyes. <i>New Journal of Chemistry</i> , 2019 , 43, 10965-10972	3.6	5

75	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	3.5	5
74	Regulation of Extracellular Matrix Remodeling Proteins by Osteoblasts in Titanium Nanoparticle-Induced Aseptic Loosening Model. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 1826-35	4	5
73	Identification of a chitinase-producing bacterium C4 and histopathologic study on locusts. <i>Pest Management Science</i> , 2005 , 61, 159-65	4.6	5
72	Research and application of thermal insulation effect of natural gas hydrate freezing corer based on the wireline-coring principle. <i>Petroleum Science</i> , 2021 ,	4.4	5
71	The asarone-derived phenylpropanoids from the rhizome of <i>Acorus calamus</i> var. <i>angustatus</i> Besser. <i>Phytochemistry</i> , 2020 , 170, 112212	4	5
70	Experimental investigation on the gas flow characteristics of coal samples with different fracture network complexities. <i>Journal of Natural Gas Science and Engineering</i> , 2020 , 82, 103487	4.6	5
69	Permeability-enhanced rate model for coal permeability evolution and its application under various triaxial stress conditions. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	5
68	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	2.8	5
67	CTGF facilitates cell-cell communication in chondrocytes via PI3K/Akt signalling pathway. <i>Cell Proliferation</i> , 2021 , 54, e13001	7.9	5
66	The role of TGF- β in cartilage development and diseases. <i>Bone and Joint Research</i> , 2021 , 10, 474-487	4.2	5
65	Experimental and molecular dynamics study into the surfactant effect upon coal wettability.. <i>RSC Advances</i> , 2021 , 11, 24543-24555	3.7	5
64	Long-term follow-up of children with acute promyelocytic leukemia treated with Beijing Children's Hospital APL 2005 protocol (BCH-APL 2005). <i>Pediatric Hematology and Oncology</i> , 2019 , 36, 399-409	1.7	4
63	Peroxisome Proliferator-Activated Receptor (PPAR) in Regenerative Medicine: Molecular Mechanism for PPAR in Stem Cells and Adipocyte Differentiation. <i>Current Stem Cell Research and Therapy</i> , 2016 , 11, 290-8	3.6	4
62	The Pleiotropic Effects of PPARs on Vascular Cells and Angiogenesis: Implications for Tissue Engineering. <i>Current Stem Cell Research and Therapy</i> , 2016 , 11, 265-73	3.6	4
61	3D Forward Modeling of Seepage Self-potential Using Finite-infinite Element Coupling Method. <i>Journal of Environmental and Engineering Geophysics</i> , 2020 , 25, 381-390	1	4
60	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	9.6	4
59	Li(Na) ₂ FeSiO ₄ /C hybrid nanotubes: promising anode materials for lithium/sodium ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 4438-4444	6.8	4
58	Identification of Potential Metabolite Markers for Middle-Aged Patients with Post-Stroke Depression Using Urine Metabolomics. <i>Neuropsychiatric Disease and Treatment</i> , 2020 , 16, 2017-2024	3.1	4

57	Fluid flow characteristics of cross-fractures with two branch fractures of different roughness controlled by fractal dimension: An experimental study. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 196, 107996	4.4	4
56	Characterization of Anisotropic Fracture Properties of Silurian Longmaxi Shale. <i>Rock Mechanics and Rock Engineering</i> , 2021 , 54, 665-678	5.7	4
55	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	2.8	4
54	Role of Mitochondria in Physiology of Chondrocytes and Diseases of Osteoarthritis and Rheumatoid Arthritis.. <i>Cartilage</i> , 2021 , 13, 1102S-1121S	3	4
53	Case study on the mining-induced stress evolution of an extra-thick coal seam under hard roof conditions. <i>Energy Science and Engineering</i> , 2020 , 8, 3174-3185	3.4	3
52	Dual Metabolomic Platforms Identified a Novel Urinary Metabolite Signature for Hepatitis B Virus-Infected Patients with Depression. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020 , 13, 1677-1683	3.4	3
51	From kPa to MPa: An Environmentally Friendly Way to Prepare a Polysaccharide Hydrogel with Tunable Mechanical Properties. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4829-4834	3.9	3
50	Morphologically Controlled Synthesis of Hydroxyapatite and Its Bioactivity on Osteoblast Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 6978-6985	1.3	3
49	The role of fibroblast growth factor 8 in cartilage development and disease.. <i>Journal of Cellular and Molecular Medicine</i> , 2022 ,	5.6	3
48	Osteoblasts impair cholesterol synthesis in chondrocytes via Notch1 signalling. <i>Cell Proliferation</i> , 2021 , 54, e13156	7.9	3
47	Quality of Cuttlefish as Affected by Different Thawing Methods. <i>International Journal of Food Properties</i> , 2022 , 25, 33-52	3	3
46	Are Osteoclasts Mechanosensitive Cells?. <i>Journal of Biomedical Nanotechnology</i> , 2021 , 17, 1917-1938	4	3
45	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	4.6	3
44	Hollow porous nitrogen-doped carbon embedded with ultrafine Co nanoparticles boosting lithium-ion storage. <i>CrystEngComm</i> , 2021 , 23, 2006-2015	3.3	3
43	Gut Microbiota-Derived Inflammation-Related Serum Metabolites as Potential Biomarkers for Major Depressive Disorder. <i>Journal of Inflammation Research</i> , 2021 , 14, 3755-3766	4.8	3
42	Zwitterionic polymer modified xanthan gum with collagen II-binding capability for lubrication improvement and ROS scavenging. <i>Carbohydrate Polymers</i> , 2021 , 274, 118672	10.3	3
41	Short-term efficacy and safety of repaglinide versus glimepiride as augmentation of metformin in treating patients with type 2 diabetes mellitus. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2019 , 12, 519-526	3.4	2
40	Thermosensitive Polysaccharide Hydrogel As a Versatile Platform for Prolonged Salmon Calcitonin Release and Calcium Regulation. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 4077-4086	5.5	2

39	Mechanical Behavior and Permeability Evolution of Coal under Different Mining-Induced Stress Conditions and Gas Pressures. <i>Energies</i> , 2020 , 13, 2677	3.1	2
38	An injectable gellan gum-based hydrogel that inhibits for infected bone defect repair.. <i>Journal of Materials Chemistry B</i> , 2021 ,	7.3	2
37	Recent advances of zwitterionic-based topological polymers for biomedical applications.. <i>Journal of Materials Chemistry B</i> , 2022 ,	7.3	2
36	Lysyl Oxidases Related to Human Diseases*. <i>Progress in Biochemistry and Biophysics</i> , 2011 , 38, 389-399		2
35	Transforming growth factor- β -induced N-cadherin drives cell-cell communication through connexin43 in osteoblast lineage. <i>International Journal of Oral Science</i> , 2021 , 13, 15	27.9	2
34	The virulence factor GroEL promotes gelatinase secretion from cells in the osteoblast lineage: Implication for direct crosstalk between bacteria and adult cells. <i>Archives of Oral Biology</i> , 2021 , 122, 104391	2.8	2
33	Effects of parathyroid hormone (1-34) on the regulation of the lysyl oxidase family in ovariectomized mice.. <i>RSC Advances</i> , 2018 , 8, 30629-30641	3.7	2
32	Tissue specificity of (E)- β -farnesene and germacrene D accumulation in pyrethrum flowers. <i>Phytochemistry</i> , 2021 , 187, 112768	4	2
31	Spatiotemporally controlled calcitonin delivery: Long-term and targeted therapy of skeletal diseases. <i>Journal of Controlled Release</i> , 2021 , 338, 486-504	11.7	2
30	Microenvironmental stiffness mediates cytoskeleton re-organization in chondrocytes through laminin-FAK mechanotransduction.. <i>International Journal of Oral Science</i> , 2022 , 14, 15	27.9	2
29	Runx1 protects against the pathological progression of osteoarthritis. <i>Bone Research</i> , 2021 , 9, 50	13.3	2
28	Substrate stiffness regulates the differentiation profile and functions of osteoclasts via cytoskeletal arrangement.. <i>Cell Proliferation</i> , 2021 , e13172	7.9	2
27	Construction of the NaTi(PO) ₄ /C electrode with a one-dimensional porous hybrid structure as an advanced anode for sodium-ion batteries. <i>Dalton Transactions</i> , 2020 , 49, 4680-4684	4.3	1
26	A Multiscale Simulation Method and Its Application to Determine the Mechanical Behavior of Heterogeneous Geomaterials. <i>Advances in Materials Science and Engineering</i> , 2017 , 2017, 1-12	1.5	1
25	TGF- β increases cell-cell communication in chondrocytes via p-Smad3 signalling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021 , 1869, 119175	4.9	1
24	A new theoretical model for guiding the gas extraction in coal mines. <i>Thermal Science</i> , 2017 , 21, 293-300	1.2	1
23	Cochlear implant surgery through oval window: A novel approach in a child with facial nerve aberration. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020 , 135, 110110	1.7	1
22	Acoustic Emission Characteristics of Coal Samples under Different Stress Paths Corresponding to Different Mining Layouts. <i>Energies</i> , 2020 , 13, 3295	3.1	1

21	Supramolecular nanoassemblies of salmon calcitonin and aspartame for fibrillation inhibition and osteogenesis improvement. <i>International Journal of Pharmaceutics</i> , 2021 , 593, 120171	6.5	1
20	The alteration of A disintegrin and metalloproteinase with thrombospondin motifs (ADAMTS) in the knee joints of osteoarthritis mice. <i>Journal of Histotechnology</i> , 2021 , 44, 99-110	1.3	1
19	Sulfated alginate based complex for sustained calcitonin delivery and enhanced osteogenesis. <i>Biomedical Materials (Bristol)</i> , 2020 ,	3.5	1
18	Sealing functional ionic liquids in conjugated microporous polymer membrane by solvent-assisted micropore tightening. <i>Nano Research</i> ,1	10	1
17	Gut Microbiota-Related Inflammation Factors as a Potential Biomarker for Diagnosing Major Depressive Disorder.. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022 , 12, 831186	5.9	1
16	Research on Seepage Characteristics of Y-Shaped Fractures under Different Fracture Roughness. <i>Geofluids</i> , 2022 , 2022, 1-16	1.5	1
15	Direct tensile mechanical properties and acoustice mission characteristics of coal at different depths of Pingdingshan mining area. <i>Thermal Science</i> , 2021 , 25, 4495-4503	1.2	0
14	PDGF-AA promotes gap junction intercellular communication in chondrocytes via the PI3K/Akt pathway.. <i>Connective Tissue Research</i> , 2022 , 1-15	3.3	0
13	Experiment investigation on gas flow characteristics of coal considering the integrity of coal samples. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 2984-3000	3.6	0
12	FGF7-induced E11 facilitates cell-cell communication through connexin43. <i>International Journal of Biological Sciences</i> , 2021 , 17, 3862-3874	11.2	0
11	The tyrosine phosphatase SHP-2 dephosphorylated by ALV-J via its Env efficiently promotes ALV-J replication. <i>Virulence</i> , 2021 , 12, 1721-1731	4.7	0
10	Challenges of Stem-cell-based Craniofacial Regeneration. <i>Current Stem Cell Research and Therapy</i> , 2021 , 16, 670-682	3.6	0
9	Insulin-like growth factor 1 promotes neural differentiation of human stem cells from the apical papilla. <i>Archives of Oral Biology</i> , 2021 , 131, 105264	2.8	0
8	Mechanical behaviour and seepage characteristics of coal under the loading path of roadway excavation and coal mining. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 1862-1884	3.6	0
7	Quality of frozen mackerel during storage as processed by different freezing methods. <i>International Journal of Food Properties</i> , 2022 , 25, 593-607	3	0
6	Techniques for Oral Microbiology 2020 , 25-80		
5	Study on the evolution law of physical properties of soft coal seams under different water immersion time. <i>Thermal Science</i> , 2021 , 25, 4515-4525	1.2	
4	Analysis of a debris flow after Wenchuan Earthquake and discussion on preventive measures. <i>Thermal Science</i> , 2019 , 23, 1563-1570	1.2	

- 3 The Ultrasonic P-Wave Velocity-Stress Relationship and Energy Evolution of Sandstone under Uniaxial Loading-Unloading Conditions. *Advances in Materials Science and Engineering*, **2021**, 2021, 1-11 1.5
- 2 Exploration on Formation Mechanism of Core Discing Based on Energy Analysis. *Geofluids*, **2022**, 2022, 1-25 1.5
- 1 Risk Assessment of Water Inrush from Coal Floor Based on Karst Fractal-Vulnerability Index Method. *Mathematical Problems in Engineering*, **2022**, 2022, 1-12 1.1