

# Jing Xie

## List of Publications by Year in Descending Order

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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	Recent advances of zwitterionic-based topological polymers for biomedical applications.. <i>Journal of Materials Chemistry B</i> , <b>2022</b> ,	7.3	2
199	The mechanism of microwave rock breaking and its potential application to rock-breaking technology in drilling. <i>Petroleum Science</i> , <b>2022</b> ,	4.4	24
198	The role of fibroblast growth factor 8 in cartilage development and disease.. <i>Journal of Cellular and Molecular Medicine</i> , <b>2022</b> ,	5.6	3
197	PDGF-AA promotes gap junction intercellular communication in chondrocytes via the PI3K/Akt pathway.. <i>Connective Tissue Research</i> , <b>2022</b> , 1-15	3.3	0
196	Quality of Cuttlefish as Affected by Different Thawing Methods. <i>International Journal of Food Properties</i> , <b>2022</b> , 25, 33-52	3	3
195	Exploration of weakening mechanism of uniaxial compressive strength of deep sandstone under microwave irradiation. <i>Journal of Central South University</i> , <b>2022</b> , 29, 611-623	2.1	7
194	Recent advances in smart stimuli-responsive biomaterials for bone therapeutics and regeneration.. <i>Bone Research</i> , <b>2022</b> , 10, 17	13.3	14
193	Exploration on Formation Mechanism of Core Discing Based on Energy Analysis. <i>Geofluids</i> , <b>2022</b> , 2022, 1-25	1.5	
192	Gut Microbiota-Related Inflammation Factors as a Potential Biomarker for Diagnosing Major Depressive Disorder.. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2022</b> , 12, 831186	5.9	1
191	Quality of frozen mackerel during storage as processed by different freezing methods. <i>International Journal of Food Properties</i> , <b>2022</b> , 25, 593-607	3	0
190	Microenvironmental stiffness mediates cytoskeleton re-organization in chondrocytes through laminin-FAK mechanotransduction.. <i>International Journal of Oral Science</i> , <b>2022</b> , 14, 15	27.9	2
189	Research on Seepage Characteristics of Y-Shaped Fractures under Different Fracture Roughness. <i>Geofluids</i> , <b>2022</b> , 2022, 1-16	1.5	1
188	Risk Assessment of Water Inrush from Coal Floor Based on Karst Fractal-Vulnerability Index Method. <i>Mathematical Problems in Engineering</i> , <b>2022</b> , 2022, 1-12	1.1	
187	Direct tensile mechanical properties and acoustice mission characteristics of coal at different depths of Pingdingshan mining area. <i>Thermal Science</i> , <b>2021</b> , 25, 4495-4503	1.2	0
186	An injectable gellan gum-based hydrogel that inhibits for infected bone defect repair.. <i>Journal of Materials Chemistry B</i> , <b>2021</b> ,	7.3	2
185	Osteoblasts impair cholesterol synthesis in chondrocytes via Notch1 signalling. <i>Cell Proliferation</i> , <b>2021</b> , 54, e13156	7.9	3
184	Research and application of thermal insulation effect of natural gas hydrate freezing corer based on the wireline-coring principle. <i>Petroleum Science</i> , <b>2021</b> ,	4.4	5

183	TGF- $\beta$ increases cell-cell communication in chondrocytes via p-Smad3 signalling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2021</b> , 1869, 119175	4.9	1
182	Study on the evolution law of physical properties of soft coal seams under different water immersion time. <i>Thermal Science</i> , <b>2021</b> , 25, 4515-4525	1.2	
181	Experiment investigation on gas flow characteristics of coal considering the integrity of coal samples. <i>Geomatics, Natural Hazards and Risk</i> , <b>2021</b> , 12, 2984-3000	3.6	0
180	A Stable Cell Membrane-Based Coating with Antibiofouling and Macrophage Immunoregulatory Properties for Implants at the Macroscopic Level. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 7994-8006	9.6	4
179	Are Osteoclasts Mechanosensitive Cells?. <i>Journal of Biomedical Nanotechnology</i> , <b>2021</b> , 17, 1917-1938	4	3
178	Transforming growth factor- $\beta$ -induced N-cadherin drives cell-cell communication through connexin43 in osteoblast lineage. <i>International Journal of Oral Science</i> , <b>2021</b> , 13, 15	27.9	2
177	The virulence factor GroEL directs the osteogenic and adipogenic differentiation of human periodontal ligament stem cells through the involvement of JNK/MAPK and NF- $\kappa$ B signaling. <i>Journal of Periodontology</i> , <b>2021</b> , 92, 103-115	4.6	3
176	Gold standard for nutrition: a review of human milk oligosaccharide and its effects on infant gut microbiota. <i>Microbial Cell Factories</i> , <b>2021</b> , 20, 108	6.4	7
175	The Ultrasonic P-Wave Velocity-Stress Relationship and Energy Evolution of Sandstone under Uniaxial Loading-Unloading Conditions. <i>Advances in Materials Science and Engineering</i> , <b>2021</b> , 2021, 1-11	1.5	
174	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> , <b>2021</b> , 31, 825-825	7.1	94
173	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> , <b>2021</b> , 196, 107996	4.4	4
172	Role of the fibroblast growth factor 19 in the skeletal system. <i>Life Sciences</i> , <b>2021</b> , 265, 118804	6.8	9
171	Characterization of Anisotropic Fracture Properties of Silurian Longmaxi Shale. <i>Rock Mechanics and Rock Engineering</i> , <b>2021</b> , 54, 665-678	5.7	4
170	Supramolecular nanoassemblies of salmon calcitonin and aspartame for fibrillation inhibition and osteogenesis improvement. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 593, 120171	6.5	1
169	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> , <b>2021</b> , 122, 104991	3.8	2
168	The role of stromal cell-derived factor 1 on cartilage development and disease. <i>Osteoarthritis and Cartilage</i> , <b>2021</b> , 29, 313-322	6.2	9
167	Hollow porous nitrogen-doped carbon embedded with ultrafine Co nanoparticles boosting lithium-ion storage. <i>CrystEngComm</i> , <b>2021</b> , 23, 2006-2015	3.3	3
166	FGF7-induced E11 facilitates cell-cell communication through connexin43. <i>International Journal of Biological Sciences</i> , <b>2021</b> , 17, 3862-3874	11.2	0

165	The alteration of A disintegrin and metalloproteinase with thrombospondin motifs (ADAMTS) in the knee joints of osteoarthritis mice. <i>Journal of Histotechnology</i> , <b>2021</b> , 44, 99-110	1.3	1
164	The tyrosine phosphatase SHP-2 dephosphorylated by ALV-J via its Env efficiently promotes ALV-J replication. <i>Virulence</i> , <b>2021</b> , 12, 1721-1731	4.7	0
163	Lipid metabolism in cartilage and its diseases: a concise review of the research progress. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2021</b> , 53, 517-527	2.8	5
162	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> , <b>2021</b> , 138, 104597	6	17
161	CTGF facilitates cell-cell communication in chondrocytes via PI3K/Akt signalling pathway. <i>Cell Proliferation</i> , <b>2021</b> , 54, e13001	7.9	5
160	Tissue specificity of (E)-Farnesene and germacrene D accumulation in pyrethrum flowers. <i>Phytochemistry</i> , <b>2021</b> , 187, 112768	4	2
159	Challenges of Stem-cell-based Craniofacial Regeneration. <i>Current Stem Cell Research and Therapy</i> , <b>2021</b> , 16, 670-682	3.6	0
158	Gut Microbiota-Derived Inflammation-Related Serum Metabolites as Potential Biomarkers for Major Depressive Disorder. <i>Journal of Inflammation Research</i> , <b>2021</b> , 14, 3755-3766	4.8	3
157	The role of TGF- $\beta$ in cartilage development and diseases. <i>Bone and Joint Research</i> , <b>2021</b> , 10, 474-487	4.2	5
156	PDGF-AA promotes cell-to-cell communication in osteocytes through PI3K/Akt signaling pathway. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2021</b> , 53, 1640-1649	2.8	4
155	Gellan gum/alginate-based Ca-enriched acellular bilayer hydrogel with robust interface bonding for effective osteochondral repair. <i>Carbohydrate Polymers</i> , <b>2021</b> , 270, 118382	10.3	12
154	Spatiotemporally controlled calcitonin delivery: Long-term and targeted therapy of skeletal diseases. <i>Journal of Controlled Release</i> , <b>2021</b> , 338, 486-504	11.7	2
153	Anisotropy of the effective porosity and stress sensitivity of coal permeability considering natural fractures. <i>Energy Reports</i> , <b>2021</b> , 7, 3898-3910	4.6	9
152	Zwitterionic polymer modified xanthan gum with collagen II-binding capability for lubrication improvement and ROS scavenging. <i>Carbohydrate Polymers</i> , <b>2021</b> , 274, 118672	10.3	3
151	Insulin-like growth factor 1 promotes neural differentiation of human stem cells from the apical papilla. <i>Archives of Oral Biology</i> , <b>2021</b> , 131, 105264	2.8	0
150	Mechanical behaviour and seepage characteristics of coal under the loading path of roadway excavation and coal mining. <i>Geomatics, Natural Hazards and Risk</i> , <b>2021</b> , 12, 1862-1884	3.6	0
149	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> , <b>2021</b> , 7, 1	3.8	37
148	Experimental and molecular dynamics study into the surfactant effect upon coal wettability.. <i>RSC Advances</i> , <b>2021</b> , 11, 24543-24555	3.7	5

147	Runx1 protects against the pathological progression of osteoarthritis. <i>Bone Research</i> , <b>2021</b> , 9, 50	13.3	2
146	Substrate stiffness regulates the differentiation profile and functions of osteoclasts via cytoskeletal arrangement.. <i>Cell Proliferation</i> , <b>2021</b> , e13172	7.9	2
145	Role of Mitochondria in Physiology of Chondrocytes and Diseases of Osteoarthritis and Rheumatoid Arthritis.. <i>Cartilage</i> , <b>2021</b> , 13, 1102S-1121S	3	4
144	Correlations between $\alpha$ -linolenic Acid-Improved Multitissue Homeostasis and Gut Microbiota in Mice Fed a High-Fat Diet. <i>MSystems</i> , <b>2020</b> , 5,	7.6	23
143	Boosting the piezocatalytic performance of Bi <sub>2</sub> WO <sub>6</sub> nanosheets towards the degradation of organic pollutants. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 2096-2102	7.8	22
142	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> , <b>2020</b> , 577, 290-299	9.3	18
141	Thermosensitive Polysaccharide Hydrogel As a Versatile Platform for Prolonged Salmon Calcitonin Release and Calcium Regulation. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 4077-4086	5.5	2
140	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> , <b>2020</b> , 12, 17	27.9	20
139	Case study on the mining-induced stress evolution of an extra-thick coal seam under hard roof conditions. <i>Energy Science and Engineering</i> , <b>2020</b> , 8, 3174-3185	3.4	3
138	Engineering CuOx $\alpha$ FeO <sub>2</sub> nanocatalysts with abundant surface Cu species and oxygen vacancies toward high catalytic performance in CO oxidation and 4-nitrophenol reduction. <i>CrystEngComm</i> , <b>2020</b> , 22, 4005-4013	3.3	8
137	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> , <b>2020</b> , 12, 18	27.9	9
136	Parathyroid hormone ameliorates temporomandibular joint osteoarthritic-like changes related to age. <i>Cell Proliferation</i> , <b>2020</b> , 53, e12755	7.9	10
135	Construction of the NaTi(PO) <sub>3</sub> /C electrode with a one-dimensional porous hybrid structure as an advanced anode for sodium-ion batteries. <i>Dalton Transactions</i> , <b>2020</b> , 49, 4680-4684	4.3	1
134	Gp37 Regulates the Pathogenesis of Avian Leukosis Virus Subgroup J via Its C Terminus. <i>Journal of Virology</i> , <b>2020</b> , 94,	6.6	9
133	Mechanical Behavior and Permeability Evolution of Coal under Different Mining-Induced Stress Conditions and Gas Pressures. <i>Energies</i> , <b>2020</b> , 13, 2677	3.1	2
132	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> , <b>2020</b> , 194, 111206	6	8
131	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> , <b>2020</b> , 13, 1677-1683	3.4	3
130	Runt-related transcription factor 1 is required for murine osteoblast differentiation and bone formation. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 11669-11681	5.4	16

129	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> , <b>2020</b> , 195, 107606	4.4	8
128	A Review of Traditional Uses, Phytochemistry, and Pharmacological Properties of the Genus. <i>The American Journal of Chinese Medicine</i> , <b>2020</b> , 48, 47-76	6	7
127	From kPa to MPa: An Environmentally Friendly Way to Prepare a Polysaccharide Hydrogel with Tunable Mechanical Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 4829-4834	3.9	3
126	Substrate mechanics dictate cell-cell communication by gap junctions in stem cells from human apical papilla. <i>Acta Biomaterialia</i> , <b>2020</b> , 107, 178-193	10.8	18
125	A solvent-free strategy to realize the substitution of I <sup>+</sup> for IO <sub>3</sub> <sup>-</sup> in a BiOIO <sub>3</sub> photocatalyst with an opposite charge transfer path. <i>Green Chemistry</i> , <b>2020</b> , 22, 1424-1431	10	10
124	Iron carbide/nitrogen-doped carbon core-shell nanostructures: Solution-free synthesis and superior oxygen reduction performance. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 566, 194-201	9.3	11
123	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> , <b>2020</b> , 108, 2426-2440	3.5	5
122	Age-specific differential changes on gut microbiota composition in patients with major depressive disorder. <i>Aging</i> , <b>2020</b> , 12, 2764-2776	5.6	26
121	Techniques for Oral Microbiology <b>2020</b> , 25-80		
120	3D Forward Modeling of Seepage Self-potential Using Finite-infinite Element Coupling Method. <i>Journal of Environmental and Engineering Geophysics</i> , <b>2020</b> , 25, 381-390	1	4
119	Cochlear implant surgery through oval window: A novel approach in a child with facial nerve aberration. <i>International Journal of Pediatric Otorhinolaryngology</i> , <b>2020</b> , 135, 110110	1.7	1
118	Pyrazolone structural motif in medicinal chemistry: Retrospect and prospect. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 186, 111893	6.8	49
117	Rhodomyrtus tomentosa (Aiton.): A review of phytochemistry, pharmacology and industrial applications research progress. <i>Food Chemistry</i> , <b>2020</b> , 309, 125715	8.5	14
116	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> , <b>2020</b> , 8, 270-281	7.3	25
115	The asarone-derived phenylpropanoids from the rhizome of <i>Acorus calamus</i> var. <i>angustatus</i> Besser. <i>Phytochemistry</i> , <b>2020</b> , 170, 112212	4	5
114	Preparation and characterisation of a gellan gum-based hydrogel enabling osteogenesis and inhibiting <i>Enterococcus faecalis</i> . <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 165, 2964-2973	7.9	7
113	Associations between disordered gut microbiota and changes of neurotransmitters and short-chain fatty acids in depressed mice. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 350	8.6	41
112	Li(Na) <sub>2</sub> FeSiO <sub>4</sub> /C hybrid nanotubes: promising anode materials for lithium/sodium ion batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 4438-4444	6.8	4

111	Biomaterial Stiffness Guides Cross-talk between Chondrocytes: Implications for a Novel Cellular Response in Cartilage Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 4476-4489	5.5	8
110	Experimental investigation on the gas flow characteristics of coal samples with different fracture network complexities. <i>Journal of Natural Gas Science and Engineering</i> , <b>2020</b> , 82, 103487	4.6	5
109	Acoustic Emission Characteristics of Coal Samples under Different Stress Paths Corresponding to Different Mining Layouts. <i>Energies</i> , <b>2020</b> , 13, 3295	3.1	1
108	Permeability-enhanced rate model for coal permeability evolution and its application under various triaxial stress conditions. <i>Arabian Journal of Geosciences</i> , <b>2020</b> , 13, 1	1.8	5
107	Identification of Potential Metabolite Markers for Middle-Aged Patients with Post-Stroke Depression Using Urine Metabolomics. <i>Neuropsychiatric Disease and Treatment</i> , <b>2020</b> , 16, 2017-2024	3.1	4
106	Astragalin Attenuates Dextran Sulfate Sodium (DSS)-Induced Acute Experimental Colitis by Alleviating Gut Microbiota Dysbiosis and Inhibiting NF- $\kappa$ B Activation in Mice. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 2058	8.4	25
105	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> , <b>2020</b> , 191, 107190	4.4	17
104	Osteoporosis-decreased extracellular matrix stiffness impairs connexin 43-mediated gap junction intercellular communication in osteocytes. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2020</b> , 52, 517-526	2.8	10
103	Sulfated alginate based complex for sustained calcitonin delivery and enhanced osteogenesis. <i>Biomedical Materials (Bristol)</i> , <b>2020</b> ,	3.5	1
102	Promotion of the osteogenic activity of an antibacterial polyaniline coating by electrical stimulation. <i>Biomaterials Science</i> , <b>2019</b> , 7, 4730-4737	7.4	14
101	Urinary metabolite signature in bipolar disorder patients during depressive episode. <i>Aging</i> , <b>2019</b> , 11, 1008-1018	5.6	25
100	Absence of gut microbiota affects lipid metabolism in the prefrontal cortex of mice. <i>Neurological Research</i> , <b>2019</b> , 41, 1104-1112	2.7	13
99	A solid-state chemical method for synthesizing MgO nanoparticles with superior adsorption properties.. <i>RSC Advances</i> , <b>2019</b> , 9, 2011-2017	3.7	24
98	Energy Evolution of Coal at Different Depths Under Unloading Conditions. <i>Rock Mechanics and Rock Engineering</i> , <b>2019</b> , 52, 4637-4649	5.7	20
97	Interstitial N-doped SrSnO <sub>3</sub> perovskite: structural design, modification and photocatalytic degradation of dyes. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 10965-10972	3.6	5
96	Compliant substratum modulates vinculin expression in focal adhesion plaques in skeletal cells. <i>International Journal of Oral Science</i> , <b>2019</b> , 11, 18	27.9	15
95	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> , <b>2019</b> , 12, 519-526	3.4	2
94	Hexapeptide-conjugated calcitonin for targeted therapy of osteoporosis. <i>Journal of Controlled Release</i> , <b>2019</b> , 304, 39-50	11.7	14

93	Oriented Assembly of Cell-Mimicking Nanoparticles via a Molecular Affinity Strategy for Targeted Drug Delivery. <i>ACS Nano</i> , <b>2019</b> , 13, 5268-5277	16.7	43
92	The involvement of the ERK-MAPK pathway in TGF- $\beta$ -mediated connexin43-gap junction formation in chondrocytes. <i>Connective Tissue Research</i> , <b>2019</b> , 60, 477-486	3.3	13
91	Research progress in the biological activities of 3,4,5-trimethoxycinnamic acid (TMCA) derivatives. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 173, 213-227	6.8	20
90	Deformation Damage and Energy Evolution Characteristics of Coal at Different Depths. <i>Rock Mechanics and Rock Engineering</i> , <b>2019</b> , 52, 1491-1503	5.7	59
89	Co-infection of vvMDV with multiple subgroups of avian leukosis viruses in indigenous chicken flocks in China. <i>BMC Veterinary Research</i> , <b>2019</b> , 15, 288	2.7	9
88	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 &amp; Interfaces</i> , <b>2019</b> , 11, 26448-26459	9.5	18
87	TGF- $\beta$ facilitates cell-cell communication in osteocytes via connexin43- and pannexin1-dependent gap junctions. <i>Cell Death Discovery</i> , <b>2019</b> , 5, 141	6.9	12
86	Cover Image, Volume 52, Issue 2. <i>Cell Proliferation</i> , <b>2019</b> , 52, e12619	7.9	78
85	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> , <b>2019</b> , 36, 399-409	1.7	4
84	Age-specific urinary metabolite signatures and functions in patients with major depressive disorder. <i>Aging</i> , <b>2019</b> , 11, 6626-6637	5.6	17
83	Analysis of a debris flow after Wenchuan Earthquake and discussion on preventive measures. <i>Thermal Science</i> , <b>2019</b> , 23, 1563-1570	1.2	
82	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> , <b>2019</b> , 175, 576-585	6	8
81	TGF- $\beta$ promotes gap junctions formation in chondrocytes via Smad3/Smad4 signalling. <i>Cell Proliferation</i> , <b>2019</b> , 52, e12544	7.9	22
80	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> , <b>2019</b> , 52, 1539-1563	5.7	16
79	Anterior Cruciate Ligament Transection-Induced Cellular and Extracellular Events in Menisci: Implications for Osteoarthritis. <i>American Journal of Sports Medicine</i> , <b>2018</b> , 46, 1185-1198	6.8	33
78	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> , <b>2018</b> , 516, 511-521	9.3	38
77	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> , <b>2018</b> , 12, e550-e565	4.4	12
76	Inhibition of the fibrillation of highly amyloidogenic human calcitonin by cucurbit[7]uril with improved bioactivity. <i>Acta Biomaterialia</i> , <b>2018</b> , 78, 178-188	10.8	18



75	Microenvironmental Stiffness Regulates Dental Papilla Cell Differentiation: Implications for the Importance of Fibronectin-Paxillin- $\beta$ Catenin Axis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 26917-26927	9.5	13
74	A stimuli-responsive insulin delivery system based on reversible phenylboronate modified cyclodextrin with glucose triggered host-guest interaction. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 548, 649-658	6.5	17
73	Evidence for excessive osteoclast activation in SIRT6 null mice. <i>Scientific Reports</i> , <b>2018</b> , 8, 10992	4.9	14
72	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> , <b>2018</b> , 49, 41	3.8	7
71	Compliant Substratum Changes Osteocyte Functions: The Role of ITGB3/FAK/ $\beta$ Catenin Signaling Matters.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 792-801	4.1	13
70	Insights into Crystal Facets of Perovskite SrSnO as High-Performance Photocatalysts toward Environmental Remediation. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 14111-14118	4.8	16
69	Substrate elasticity regulates adipose-derived stromal cell differentiation towards osteogenesis and adipogenesis through $\beta$ catenin transduction. <i>Acta Biomaterialia</i> , <b>2018</b> , 79, 83-95	10.8	47
68	Solvent-free Strategy of Photocarriers Accumulated Site and Separated Path for Porous Hollow Spindle-Shaped BiPO <sub>4</sub> . <i>ChemCatChem</i> , <b>2018</b> , 10, 3777-3785	5.2	10
67	Transforming growth factor- $\beta$ 1 up-regulates connexin43 expression in osteocytes via canonical Smad-dependent signaling pathway. <i>Bioscience Reports</i> , <b>2018</b> , 38,	4.1	17
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