

Ruikang Tang

List of Publications by Citations

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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.

188
papers

5,213
citations

40
h-index

65
g-index

203
ext. papers

6,506
ext. citations

8.6
avg, IF

5.87
L-index

#	Paper	IF	Citations
188	Role of hydroxyapatite nanoparticle size in bone cell proliferation. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3780		296
187	Calcium phosphate nanoparticles in biomineralization and biomaterials. <i>Journal of Materials Chemistry</i> , 2008 , 18, 3775		232
186	Yeast cells with an artificial mineral shell: protection and modification of living cells by biomimetic mineralization. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3560-4	16.4	168
185	Repair of enamel by using hydroxyapatite nanoparticles as the building blocks. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4079		147
184	Biomineralization: From Material Tactics to Biological Strategy. <i>Advanced Materials</i> , 2017 , 29, 1605903	24	140
183	Effect of crystallinity of calcium phosphate nanoparticles on adhesion, proliferation, and differentiation of bone marrow mesenchymal stem cells. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4690		133
182	Roles of amorphous calcium phosphate and biological additives in the assembly of hydroxyapatite nanoparticles. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 13410-8	3.4	125
181	Adsorption processes of Gly and Glu amino acids on hydroxyapatite surfaces at the atomic level. <i>Langmuir</i> , 2007 , 23, 8972-81	4	109
180	Rational design of thermostable vaccines by engineered peptide-induced virus self-biomineralization under physiological conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7619-24	11.5	107
179	Magnesium-aspartate-based crystallization switch inspired from shell molt of crustacean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 22096-101	11.5	106
178	Toward a Detailed Understanding of Magnesium Ions on Hydroxyapatite Crystallization Inhibition. <i>Crystal Growth and Design</i> , 2014 , 14, 763-769	3.5	102
177	Virus capture and destruction by label-free graphene oxide for detection and disinfection applications. <i>Small</i> , 2015 , 11, 1171-6	11	91
176	Dissolution at the nanoscale: self-preservation of biominerals. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 2697-701	16.4	90
175	Citrate Improves Collagen Mineralization via Interface Wetting: A Physicochemical Understanding of Biomineralization Control. <i>Advanced Materials</i> , 2018 , 30, 1704876	24	88
174	Crosslinking ionic oligomers as conformable precursors to calcium carbonate. <i>Nature</i> , 2019 , 574, 394-398	50.4	84
173	Bio-inspired enamel repair via Glu-directed assembly of apatite nanoparticles: an approach to biomaterials with optimal characteristics. <i>Advanced Materials</i> , 2011 , 23, 4695-701	24	83
172	Repair of tooth enamel by a biomimetic mineralization frontier ensuring epitaxial growth. <i>Science Advances</i> , 2019 , 5, eaaw9569	14.3	81

171	Mystery of the transformation from amorphous calcium phosphate to hydroxyapatite. <i>Chemical Communications</i> , 2010 , 46, 7415-7	5.8	81
170	Mechanism of dissolution of sparingly soluble electrolytes. <i>Journal of the American Chemical Society</i> , 2001 , 123, 5437-43	16.4	78
169	Control of biomineralization dynamics by interfacial energies. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3698-702	16.4	71
168	Incorporation of small extracellular vesicles in sodium alginate hydrogel as a novel therapeutic strategy for myocardial infarction. <i>Theranostics</i> , 2019 , 9, 7403-7416	12.1	66
167	Alleviation of high light-induced photoinhibition in cyanobacteria by artificially conferred biosilica shells. <i>Chemical Communications</i> , 2013 , 49, 7525-7	5.8	65
166	A Drug-Free Tumor Therapy Strategy: Cancer-Cell-Targeting Calcification. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5225-9	16.4	62
165	Antigenically shielded universal red blood cells by polydopamine-based cell surface engineering. <i>Chemical Science</i> , 2014 , 5, 3463-3468	9.4	61
164	Improvement of Biological Organisms Using Functional Material Shells. <i>Advanced Functional Materials</i> , 2016 , 26, 1862-1880	15.6	60
163	Kinetics of Dissolution of Tricalcium Phosphate. <i>Langmuir</i> , 2001 , 17, 3480-3485	4	58
162	Size-effects in the dissolution of hydroxyapatite: an understanding of biological demineralization. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2341		54
161	In vivo dual-targeted chemotherapy of drug resistant cancer by rationally designed nanocarrier. <i>Biomaterials</i> , 2016 , 75, 71-81	15.6	51
160	In Situ Liquid Cell TEM Reveals Bridge-Induced Contact and Fusion of Au Nanocrystals in Aqueous Solution. <i>Nano Letters</i> , 2018 , 18, 6551-6556	11.5	51
159	Stabilizing amorphous calcium phosphate phase by citrate adsorption. <i>CrystEngComm</i> , 2014 , 16, 1864-1867	3.7	49
158	Evolution of Amorphous Calcium Phosphate to Hydroxyapatite Probed by Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14929-14933	3.8	47
157	Constant composition dissolution of mixed phases. II. Selective dissolution of calcium phosphates. <i>Journal of Colloid and Interface Science</i> , 2003 , 260, 379-84	9.3	47
156	Amorphous calcium phosphate phase-mediated crystal nucleation kinetics and pathway. <i>Faraday Discussions</i> , 2015 , 179, 451-61	3.6	45
155	Biomineralization-based virus shell-engineering: towards neutralization escape and tropism expansion. <i>Advanced Healthcare Materials</i> , 2012 , 1, 443-9	10.1	45
154	Unique roles of acidic amino acids in phase transformation of calcium phosphates. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 1151-7	3.4	45

153	Shape-preserving amorphous-to-crystalline transformation of CaCO revealed by in situ TEM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3397-3404	11.5	44
152	Silicification-induced cell aggregation for the sustainable production of H ₂ under aerobic conditions. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11961-5	16.4	43
151	Hydrated silica exterior produced by biomimetic silicification confers viral vaccine heat-resistance. <i>ACS Nano</i> , 2015 , 9, 799-808	16.7	43
150	Nanoparticle Counting by Microscopic Digital Detection: Selective Quantitative Analysis of Exosomes via Surface-Anchored Nucleic Acid Amplification. <i>Analytical Chemistry</i> , 2018 , 90, 6556-6562	7.8	41
149	Yeast Cells with an Artificial Mineral Shell: Protection and Modification of Living Cells by Biomimetic Mineralization. <i>Angewandte Chemie</i> , 2008 , 120, 3616-3620	3.6	40
148	Biomimetic Mineralized Organic-Inorganic Hybrid Macrofiber with Spider Silk-Like Supertoughness. <i>Advanced Functional Materials</i> , 2020 , 30, 1908556	15.6	40
147	High efficient multifunctional Ag ₃ PO ₄ loaded hydroxyapatite nanowires for water treatment. <i>Journal of Hazardous Materials</i> , 2015 , 299, 379-87	12.8	39
146	Biomimetic promotion of dentin remineralization using l-glutamic acid: inspiration from biomineralization proteins. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4544-4553	7.3	39
145	Dissolution of crystallites: surface energetic control and size effects. <i>ChemPhysChem</i> , 2004 , 5, 688-96	3.2	39
144	Osteoporotic Bone Recovery by a Highly Bone-Inductive Calcium Phosphate Polymer-Induced Liquid-Precursor. <i>Advanced Science</i> , 2019 , 6, 1900683	13.6	38
143	Total morphosynthesis of biomimetic prismatic-type CaCO thin films. <i>Nature Communications</i> , 2017 , 8, 1398	17.4	38
142	Eggshell-inspired biomineralization generates vaccines that do not require refrigeration. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10576-9	16.4	37
141	Hydration layer structures on calcite facets and their roles in selective adsorptions of biomolecules: a molecular dynamics study. <i>Journal of Chemical Physics</i> , 2013 , 139, 234705	3.9	36
140	Programmed Cell Deaths and Potential Crosstalk With Blood-Brain Barrier Dysfunction After Hemorrhagic Stroke. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 68	6.1	35
139	Nanomodification of living organisms by biomimetic mineralization. <i>Nano Research</i> , 2014 , 7, 1404-1428	10	34
138	Vaccine Engineering with Dual-Functional Mineral Shell: A Promising Strategy to Overcome Preexisting Immunity. <i>Advanced Materials</i> , 2016 , 28, 694-700	24	33
137	Organic-Inorganic Copolymerization for a Homogenous Composite without an Interphase Boundary. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2071-2075	16.4	31
136	Biomimetic graphene oxide/hydroxyapatite composites via in situ mineralization and hierarchical assembly. <i>RSC Advances</i> , 2014 , 4, 25398-25403	3.7	29

135	Faster nucleation at lower pH: amorphous phase mediated nucleation kinetics. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 12530-3	3.6	29
134	Nanomaterial-Based Organelles Protect Normal Cells against Chemotherapy-Induced Cytotoxicity. <i>Advanced Materials</i> , 2018 , 30, e1801304	24	29
133	Amorphous Phase Mediated Crystallization: Fundamentals of Biomineralization. <i>Crystals</i> , 2018 , 8, 48	2.3	28
132	Cellular shellization: surface engineering gives cells an exterior. <i>BioEssays</i> , 2010 , 32, 698-708	4.1	28
131	Preparation of Calcite and Aragonite Complex Layer Materials Inspired from Biomineralization. <i>Crystal Growth and Design</i> , 2009 , 9, 3095-3099	3.5	27
130	Revealing the Cluster-Cloud and Its Role in Nanocrystallization. <i>Advanced Materials</i> , 2019 , 31, e1808225	24	26
129	Guarding embryo development of zebrafish by shell engineering: a strategy to shield life from ozone depletion. <i>PLoS ONE</i> , 2010 , 5, e9963	3.7	25
128	Realignment of Nanocrystal Aggregates into Single Crystals as a Result of Inherent Surface Stress. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12836-40	16.4	24
127	Glutaraldehyde-induced remineralization improves the mechanical properties and biostability of dentin collagen. <i>Materials Science and Engineering C</i> , 2016 , 67, 657-665	8.3	24
126	Biomineralized vaccine nanohybrid for needle-free intranasal immunization. <i>Biomaterials</i> , 2016 , 106, 286-94	15.6	23
125	Effect of the aggregation state of amorphous calcium phosphate on hydroxyapatite nucleation kinetics. <i>RSC Advances</i> , 2017 , 7, 25497-25503	3.7	22
124	Overcoming cisplatin resistance in chemotherapy by biomineralization. <i>Chemical Communications</i> , 2013 , 49, 4932-4	5.8	22
123	Ultra-high payload of doxorubicin and pH-responsive drug release in CuS nanocages for a combination of chemotherapy and photothermal therapy. <i>RSC Advances</i> , 2013 , 3, 23133	3.7	22
122	Molecular simulation of water behaviors on crystal faces of hydroxyapatite. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2007 , 2, 156-163		22
121	New mechanism for the dissolution of sparingly soluble minerals. <i>Pure and Applied Chemistry</i> , 2002 , 74, 1851-1857	2.1	22
120	Mer regulates microglial/macrophage M1/M2 polarization and alleviates neuroinflammation following traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2021 , 18, 2	10.1	22
119	Protection of Photosynthetic Algae against Ultraviolet Radiation by One-Step CeO Shellization. <i>Langmuir</i> , 2017 , 33, 2454-2459	4	21
118	Surface-anchored framework for generating RhD-epitope stealth red blood cells. <i>Science Advances</i> , 2020 , 6, eaaw9679	14.3	21

117	Robust vaccine formulation produced by assembling a hybrid coating of polyethyleneimine-silica. <i>Chemical Science</i> , 2016 , 7, 1753-1759	9.4	21
116	Silicification-Induced Cell Aggregation for the Sustainable Production of H ₂ under Aerobic Conditions. <i>Angewandte Chemie</i> , 2015 , 127, 12129-12133	3.6	21
115	Self-Etch Adhesive as a Carrier for ACP Nanoprecursors to Deliver Biomimetic Remineralization. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 17710-17717	9.5	20
114	The effect of amorphous calcium phosphate on protein protection against thermal denaturation. <i>Chemical Communications</i> , 2015 , 51, 8705-7	5.8	20
113	Cells Recognize and Prefer Bone-like Hydroxyapatite: Biochemical Understanding of Ultrathin Mineral Platelets in Bone. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29997-30004	9.5	19
112	The Role of Exosomal microRNAs and Oxidative Stress in Neurodegenerative Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 3232869	6.7	19
111	Prevention of Cyanobacterial Blooms Using Nanosilica: A Biomineralization-Inspired Strategy. <i>Environmental Science & Technology</i> , 2017 , 51, 12717-12726	10.3	18
110	Phosphorylated chitosan to promote biomimetic mineralization of type I collagen as a strategy for dentin repair and bone tissue engineering. <i>New Journal of Chemistry</i> , 2019 , 43, 2002-2010	3.6	18
109	A novel fluorescent adhesive-assisted biomimetic mineralization. <i>Nanoscale</i> , 2018 , 10, 18980-18987	7.7	18
108	Fabrication of collagen membranes with different intrafibrillar mineralization degree as a potential use for GBR. <i>Materials Science and Engineering C</i> , 2019 , 104, 109959	8.3	18
107	Functional single-virus-polyelectrolyte hybrids make large-scale applications of viral nanoparticles more efficient. <i>Small</i> , 2010 , 6, 351-4	11	18
106	Recent experimental explorations of non-classical nucleation. <i>CrystEngComm</i> , 2020 , 22, 4057-4073	3.3	17
105	Dissolution at the Nanoscale: Self-Preservation of Biominerals. <i>Angewandte Chemie</i> , 2004 , 116, 2751-2755	9.5	17
104	Biomineralization State of Viruses and Their Biological Potential. <i>Chemistry - A European Journal</i> , 2018 , 24, 11518-11529	4.8	16
103	Less is more: silicate in the crystallization of hydroxyapatite in simulated body fluids. <i>CrystEngComm</i> , 2016 , 18, 379-383	3.3	16
102	Hierarchical structure and mechanical properties of remineralized dentin. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 40, 297-306	4.1	16
101	Eggshell-Inspired Biomineralization Generates Vaccines that Do Not Require Refrigeration. <i>Angewandte Chemie</i> , 2012 , 124, 10728-10731	3.6	16
100	Ceria nanoparticles ameliorate white matter injury after intracerebral hemorrhage: microglia-astrocyte involvement in remyelination. <i>Journal of Neuroinflammation</i> , 2021 , 18, 43	10.1	16

99	Nano regulation of cisplatin chemotherapeutic behaviors by biomineralization controls. <i>Small</i> , 2014 , 10, 3644-9	11	15
98	Mineralized State of the Avian Influenza Virus in the Environment. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12908-12912	16.4	15
97	A Highly Sensitive, Reversible, and Bidirectional Humidity Actuator by Calcium Carbonate Ionic Oligomers Incorporated Poly(Vinylidene Fluoride). <i>Advanced Functional Materials</i> , 2021 , 31, 2101291	15.6	15
96	A Macromolecular Drug for Cancer Therapy via Extracellular Calcification. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6509-6517	16.4	15
95	High strength brushite bioceramics obtained by selective regulation of crystal growth with chiral biomolecules. <i>Acta Biomaterialia</i> , 2020 , 106, 351-359	10.8	14
94	Promotion effect of immobilized chondroitin sulfate on intrafibrillar mineralization of collagen. <i>Carbohydrate Polymers</i> , 2020 , 229, 115547	10.3	14
93	Alumina-encapsulated vaccine formulation with improved thermostability and immunogenicity. <i>Chemical Communications</i> , 2016 , 52, 6447-50	5.8	14
92	Polyelectrolyte-calcium complexes as a pre-precursor induce biomimetic mineralization of collagen. <i>Nanoscale</i> , 2021 , 13, 953-967	7.7	14
91	Biomimetic inorganic camouflage circumvents antibody-dependent enhancement of infection. <i>Chemical Science</i> , 2017 , 8, 8240-8246	9.4	13
90	Switchable Chiral Selection of Aspartic Acids by Dynamic States of Brushite. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8562-8569	16.4	12
89	Evolution from Classical to Non-classical Aggregation-Based Crystal Growth of Calcite by Organic Additive Control. <i>Langmuir</i> , 2016 , 32, 8999-9004	4	12
88	Overcoming multiple drug resistance by spatial-temporal synchronization of epirubicin and pooled siRNAs. <i>Small</i> , 2015 , 11, 1775-81	11	12
87	Regulations of organism by materials: a new understanding of biological inorganic chemistry. <i>Journal of Biological Inorganic Chemistry</i> , 2019 , 24, 467-481	3.7	11
86	Phase-controlled crystallization of amorphous calcium carbonate in ethanol-water binary solvents. <i>Crystal Research and Technology</i> , 2015 , 50, 312-318	1.3	11
85	Preparing nano-calcium phosphate particles via a biologically friendly pathway. <i>Biomedical Materials (Bristol)</i> , 2010 , 5, 041001	3.5	11
84	Colour tuning of core-shell fluorescent materials. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5363		11
83	Pressure-driven fusion of amorphous particles into integrated monoliths. <i>Science</i> , 2021 , 372, 1466-1470	33.3	11
82	Biomineralization improves the thermostability of foot-and-mouth disease virus-like particles and the protective immune response induced. <i>Nanoscale</i> , 2019 , 11, 22748-22761	7.7	11

81	Improvement of organisms by biomimetic mineralization: A material incorporation strategy for biological modification. <i>Acta Biomaterialia</i> , 2021 , 120, 57-80	10.8	11
80	Synergic Effect of Sr ²⁺ and Mg ²⁺ on the Stabilization of Amorphous Calcium Phosphate. <i>Crystal Growth and Design</i> , 2018 , 18, 6054-6060	3.5	11
79	Understanding Anisotropic Growth of Au Penta-Twinned Nanorods by Liquid Cell Transmission Electron Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1443-1449	6.4	10
78	Solvothermal synthesis of Eucalcium phosphate porous nanospheres by using organic phosphorus source and their biomedical potentials. <i>RSC Advances</i> , 2015 , 5, 23958-23964	3.7	10
77	Improvement in the Photobiological Hydrogen Production of Aggregated Chlorella by Dimethyl Sulfoxide. <i>ChemBioChem</i> , 2018 , 19, 669-673	3.8	10
76	A Drug-Free Tumor Therapy Strategy: Cancer-Cell-Targeting Calcification. <i>Angewandte Chemie</i> , 2016 , 128, 5311-5315	3.6	10
75	Therapeutic Potential of Biomineralization-Based Engineering. <i>Advanced Therapeutics</i> , 2018 , 1, 1800079	4.9	10
74	Long-term Effect of Biomineralized Insulin Nanoparticles on Type 2 Diabetes Treatment. <i>Theranostics</i> , 2017 , 7, 4301-4312	12.1	10
73	Mechanism of promoted dipeptide formation on hydroxyapatite crystal surfaces. <i>Science Bulletin</i> , 2011 , 56, 633-639		10
72	Smart Nanosacrificial Layer on the Bone Surface Prevents Osteoporosis through Acid-Base Neutralization Regulated Biocascade Effects. <i>Journal of the American Chemical Society</i> , 2020 , 142, 17543-17556	16.4	10
71	Polydopamine Promotes Dentin Remineralization via Interfacial Control. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 3327-3334	5.5	9
70	Intracellular delivery of biomineralized monoclonal antibodies to combat viral infection. <i>Chemical Communications</i> , 2016 , 52, 1879-82	5.8	9
69	A flexible and degradable hybrid mineral as a plastic substitute.. <i>Advanced Materials</i> , 2021 , e2107523	24	9
68	Muscle-like Ultratough Hybrid Hydrogel Constructed by Heterogeneous Inorganic Polymerization on an Organic Network. <i>ACS Applied Materials & Interfaces</i> , 2020 ,	9.5	9
67	An updated review of autophagy in ischemic stroke: From mechanisms to therapies. <i>Experimental Neurology</i> , 2021 , 340, 113684	5.7	9
66	Anisotropic Epitaxial Behavior in the Amorphous Phase-Mediated Hydroxyapatite Crystallization Process: A New Understanding of Orientation Control. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 7611-7616	6.4	9
65	Phytochemical investigation and cytotoxic evaluation of the components of the medicinal plant <i>Ligularia atroviolacea</i> . <i>Chemistry and Biodiversity</i> , 2009 , 6, 1053-65	2.5	8
64	Size effect of nano-hydroxyapatite on proliferation of odontoblast-like MDPC-23 cells. <i>Dental Materials Journal</i> , 2019 , 38, 534-539	2.5	7

63	Impact of interfacial high-density water layer on accurate estimation of adsorption free energy by Jarzynski's equality. <i>Journal of Chemical Physics</i> , 2014 , 140, 034706	3.9	7
62	Effect of aspartic acid on the crystallization kinetics of ACP and dentin remineralization. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 115, 104226	4.1	7
61	Calcium Phosphate Nanocluster-Loaded Injectable Hydrogel for Bone Regeneration.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 4408-4417	4.1	6
60	A Biomimetic Model for Mineralization of Type-I Collagen Fibrils. <i>Methods in Molecular Biology</i> , 2019 , 1944, 39-54	1.4	6
59	Lamellar organic/inorganic architecture via classical screw growth. <i>CrystEngComm</i> , 2012 , 14, 7184	3.3	6
58	Quantitative investigation of the formation and growth of palladium fractal nanocrystals by liquid-cell transmission electron microscopy. <i>Chemical Communications</i> , 2019 , 55, 8186-8189	5.8	5
57	Microglia and Neuroinflammation: Crucial Pathological Mechanisms in Traumatic Brain Injury-Induced Neurodegeneration.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 825086	5.3	5
56	Influence of viscosity on the phase transformation of amorphous calcium carbonate in fluids: An understanding of the medium effect in biomimetic mineralization. <i>Science China Chemistry</i> , 2010 , 53, 2208-2214	7.9	4
55	Prussian Blue/Calcium Peroxide Nanocomposites-Mediated Tumor Cell Iron Mineralization for Treatment of Experimental Lung Adenocarcinoma. <i>ACS Nano</i> , 2021 ,	16.7	4
54	Chameleon-Inspired Stress-Responsive Multicolored Ultratough Films. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 36731-36739	9.5	4
53	HIF-1 α Mediates TRAIL-Induced Neuronal Apoptosis Regulating DcR1 Expression Following Traumatic Brain Injury. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 192	6.1	4
52	Melatonin Ameliorates Hemorrhagic Transformation via Suppression of ROS-Induced NLRP3 Activation after Cerebral Ischemia in Hyperglycemic Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 6659282	6.7	4
51	Biomimetalization: Biomimetic Synthesis of Materials and Biomimetic Regulation of Organisms. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2071-2082	4.9	4
50	Therapeutic Management of Demineralized Dentin Surfaces Using a Mineralizing Adhesive To Seal and Mineralize Dentin, Dentinal Tubules, and Odontoblast Processes. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 5481-5488	5.5	3
49	SDF-1 α /MicroRNA-134 Axis Regulates Nonfunctioning Pituitary Neuroendocrine Tumor Growth Targeting VEGFA. <i>Frontiers in Endocrinology</i> , 2020 , 11, 566761	5.7	3
48	Pacemaker implantation in patients with major depression, should it be of concern? A case report and literature review. <i>BMC Cardiovascular Disorders</i> , 2020 , 20, 279	2.3	3
47	Inhibition of proliferation of osteosarcoma by nano calcium phosphates: potential hard tissue repair after tumor extraction. <i>Frontiers of Materials Science in China</i> , 2007 , 1, 30-34		3
46	Control of Biomimetalization Dynamics by Interfacial Energies. <i>Angewandte Chemie</i> , 2005 , 117, 3764-3768	3.6	3

45	Tannic acid induces dentin biomineralization by crosslinking and surface modification.. <i>RSC Advances</i> , 2022 , 12, 3454-3464	3.7	3
44	The formation and shape transformation mechanism of a triangular Au nanoplate revealed by liquid-cell TEM. <i>Nanoscale</i> , 2020 , 12, 19592-19596	7.7	3
43	Rational Design of a Replication-Competent and Inheritable Magnetic Viruses for Targeting Biomedical Applications. <i>Small</i> , 2020 , 16, e2002435	11	3
42	Development of a nomogram for predicting clinical outcome in patients with angiogram-negative subarachnoid hemorrhage. <i>CNS Neuroscience and Therapeutics</i> , 2021 , 27, 1339-1347	6.8	3
41	Realignment of Nanocrystal Aggregates into Single Crystals as a Result of Inherent Surface Stress. <i>Angewandte Chemie</i> , 2016 , 128, 13028-13032	3.6	3
40	Novel nanomaterial-organism hybrids with biomedical potential. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , 13, e1706	9.2	3
39	Phase Transformation Mechanism of Amorphous Calcium Phosphate to Hydroxyapatite Investigated by Liquid-Cell Transmission Electron Microscopy. <i>Crystal Growth and Design</i> , 2021 , 21, 5126-5134	3.5	3
38	Shell-mediated phagocytosis to reshape viral-vectored vaccine-induced immunity. <i>Biomaterials</i> , 2021 , 276, 121062	15.6	3
37	Crosstalk Between the Oxidative Stress and Glia Cells After Stroke: From Mechanism to Therapies.. <i>Frontiers in Immunology</i> , 2022 , 13, 852416	8.4	3
36	Biomimetic mineralization: An emerging organism engineering strategy for biomedical applications.. <i>Journal of Inorganic Biochemistry</i> , 2022 , 232, 111815	4.2	3
35	Protective effect of c-Myc/Rab7a signal pathway in glioblastoma cells under hypoxia. <i>Annals of Translational Medicine</i> , 2020 , 8, 283	3.2	2
34	Could a mineralized state of avian flu virus be dangerous to humans?. <i>Future Virology</i> , 2018 , 13, 79-81	2.4	2
33	Mineralized State of the Avian Influenza Virus in the Environment. <i>Angewandte Chemie</i> , 2017 , 129, 13088-13092	6.3	2
32	Calcium Phosphate Nanoparticles in Biomineralization and Biomaterials 2010 ,		2
31	Deep venous drainage variant rate and degree may be higher in patients with perimesencephalic than in non-perimesencephalic angiogram-negative subarachnoid hemorrhage. <i>European Radiology</i> , 2021 , 31, 1290-1299	8	2
30	Construction of Inorganic Bulks through Coalescence of Particle Precursors. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
29	A Macromolecular Drug for Cancer Therapy via Extracellular Calcification. <i>Angewandte Chemie</i> , 2021 , 133, 6583-6591	3.6	2
28	Artificial Organelles: Nanomaterial-Based Organelles Protect Normal Cells against Chemotherapy-Induced Cytotoxicity (Adv. Mater. 27/2018). <i>Advanced Materials</i> , 2018 , 30, 1870202	24	2

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