Hojatollah Vali

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8839584/publications.pdf

Version: 2024-02-01

		18465	27389
201	13,155	62	106
papers	citations	h-index	g-index

205	205	205	16870
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Search for Past Life on Mars: Possible Relic Biogenic Activity in Martian Meteorite ALH84001. Science, 1996, 273, 924-930.	6.0	1,745
2	Fossil bacterial magnetite in deep-sea sediments from the South Atlantic Ocean. Nature, 1986, 320, 611-615.	13.7	347
3	Occurrence of magnetic bacteria in soil. Nature, 1990, 343, 161-163.	13.7	346
4	Magnetosome vesicles are present before magnetite formation, and MamA is required for their activation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3839-3844.	3.3	303
5	Comprehensive genetic dissection of the magnetosome gene island reveals the step-wise assembly of a prokaryotic organelle. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5593-5598.	3.3	287
6	Elongated prismatic magnetite crystals in ALH84001 carbonate globules:. Geochimica Et Cosmochimica Acta, 2000, 64, 4049-4081.	1.6	284
7	mTOR Controls Mitochondrial Dynamics and Cell Survival via MTFP1. Molecular Cell, 2017, 67, 922-935.e5.	4.5	249
8	A Low Temperature Transfer of ALH84001 from Mars to Earth. Science, 2000, 290, 791-795.	6.0	205
9	Extracellular respiration of dimethyl sulfoxide by Shewanella oneidensis strain MR-1. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4669-4674.	3.3	193
10	Spherical Assemblies of Semiconductor Nanoparticles in Water-Soluble Block Copolymer Aggregates. Chemistry of Materials, 1998, 10, 1021-1028.	3.2	183
11	Truncated hexa-octahedral magnetite crystals in ALH84001: Presumptive biosignatures. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 2164-2169.	3.3	179
12	Cellular and molecular interactions between MC3T3-E1 pre-osteoblasts and nanostructured titanium produced by high-pressure torsion. Biomaterials, 2007, 28, 3887-3895.	5.7	178
13	Magnetotactic bacteria and their magnetofossils in sediments. Earth and Planetary Science Letters, 1987, 86, 389-400.	1.8	164
14	Records of an ancient Martian magnetic field in ALH84001. Earth and Planetary Science Letters, 2002, 201, 449-463.	1.8	159
15	Cellulose Nanocrystals as Chiral Inducers: Enantioselective Catalysis and Transmission Electron Microscopy 3D Characterization. Journal of the American Chemical Society, 2015, 137, 6124-6127.	6.6	158
16	A highly water-dispersible/magnetically separable palladium catalyst based on a Fe3O4@SiO2 anchored TEG-imidazolium ionic liquid for the Suzukiâ€“Miyaura coupling reaction in water. Green Chemistry, 2014, 16, 2587.	4.6	155
17	Cell â€œvisionâ€• complementary factor of protein corona in nanotoxicology. Nanoscale, 2012, 4, 5461.	2.8	143
18	Value-adding to grape waste: Green synthesis of gold nanoparticles. Journal of Food Engineering, 2014, 142, 210-220.	2.7	134

#	Article	IF	Citations
19	Metal Reduction and Iron Biomineralization by a Psychrotolerant Fe(III)-Reducing Bacterium, Shewanella sp. Strain PV-4. Applied and Environmental Microbiology, 2006, 72, 3236-3244.	1.4	132
20	Influence of the Physiochemical Properties of Superparamagnetic Iron Oxide Nanoparticles on Amyloid Î² Protein Fibrillation in Solution. ACS Chemical Neuroscience, 2013, 4, 475-485.	1.7	132
21	Chiral acidic amino acids induce chiral hierarchical structure in calcium carbonate. Nature Communications, 2017, 8, 15066.	5.8	129
22	Paleomagnetic Evidence of a Low-Temperature Origin of Carbonate in the Martian Meteorite ALH84001. Science, 1997, 275, 1629-1633.	6.0	127
23	Accelerated Growth Rate and Increased Drought Stress Resilience of the Model Grass Brachypodium distachyon Colonized by Bacillus subtilis B26. PLoS ONE, 2015, 10, e0130456.	1.1	127
24	Magnetofossils from Ancient Mars: a Robust Biosignature in the Martian Meteorite ALH84001. Applied and Environmental Microbiology, 2002, 68, 3663-3672.	1.4	126
25	Cadmium Sulphide Quantum Dots in Morphologically Tunable Triblock Copolymer Aggregates. Journal of the American Chemical Society, 2005, 127, 10063-10069.	6.6	124
26	Nanostructuring of a Titanium Material by High-Pressure Torsion Improves Pre-Osteoblast Attachment. Advanced Materials, 2007, 19, 1069-1073.	11.1	121
27	BIOGEOCHEMICAL AND ENVIRONMENTAL FACTORS IN Fe BIOMINERALIZATION: MAGNETITE AND SIDERITE FORMATION. Clays and Clay Minerals, 2003, 51, 83-95.	0.6	116
28	Irreversible changes in protein conformation due to interaction with superparamagnetic iron oxide nanoparticles. Nanoscale, 2011, 3, 1127-38.	2.8	112
29	In vitro fibrillogenesis of tropocollagen type III in collagen type I affects its relative fibrillar topology and mechanics. Scientific Reports, 2017, 7, 1392.	1.6	110
30	Are There Naturally Occurring Pleomorphic Bacteria in the Blood of Healthy Humans?. Journal of Clinical Microbiology, 2002, 40, 4771-4775.	1.8	108
31	Quantitative analysis of macrophage apoptosis vs. necrosis induced by cobalt and chromium ions in vitro. Biomaterials, 2005, 26, 2441-2453.	5.7	108
32	Formation of tabular single-domain magnetite induced by Geobacter metallireducens GS-15. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16121-16126.	3.3	97
33	Formation of single-domain magnetite by a thermophilic bacterium. American Mineralogist, 1998, 83, 1409-1418.	0.9	95
34	Structural characterization of a rhamnolipid-type biosurfactant produced by Pseudomonas aeruginosa MR01: Enhancement of di-rhamnolipid proportion using gamma irradiation. Colloids and Surfaces B: Biointerfaces, 2010, 81, 397-405.	2.5	95
35	Iron reduction and alteration of nontronite NAu-2 by a sulfate-reducing bacterium. Geochimica Et Cosmochimica Acta, 2004, 68, 3251-3260.	1.6	93
36	Smooth muscle cells deficient in osteopontin have enhanced susceptibility to calcification in vitro. Cardiovascular Research, 2005, 66, 324-333.	1.8	93

#	Article	IF	Citations
37	Palladium Nanoparticles Supported in the Nanospaces of Imidazolium-Based Bifunctional PMOs: The Role of Plugs in Selectivity Changeover in Aerobic Oxidation of Alcohols. ACS Catalysis, 2015, 5, 4189-4200.	5.5	93
38	Multiphysics Flow Modeling and in Vitro Toxicity of Iron Oxide Nanoparticles Coated with Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.5	91
39	Magnetofossil dissolution in a palaeomagnetically unstable deep-sea sediment. Nature, 1989, 339, 203-206.	13.7	89
40	Expanding behaviour, structural disorder, regular and random irregular interstratification of 2:1 layer-silicates studied by high-resolution images of transmission electron microscopy. Clay Minerals, 1986, 21, 827-859.	0.2	88
41	Reduction of Iron Oxides Enhanced by a Sulfate-Reducing Bacterium and Biogenic H2S. Geomicrobiology Journal, 2006, 23, 103-117.	1.0	88
42	HOâ€1â€mediated macroautophagy: a mechanism for unregulated iron deposition in aging and degenerating neural tissues. Journal of Neurochemistry, 2009, 109, 776-791.	2.1	87
43	Effect of Cell Sex on Uptake of Nanoparticles: The Overlooked Factor at the Nanobio Interface. ACS Nano, 2018, 12, 2253-2266.	7.3	87
44	Nanostructure, osteopontin, and mechanical properties of calcitic avian eggshell. Science Advances, 2018, 4, eaar3219.	4.7	86
45	An Appalachian Amazon? Magnetofossil evidence for the development of a tropical riverâ€like system in the midâ€Atlantic United States during the Paleoceneâ€Eocene thermal maximum. Paleoceanography, 2009, 24, .	3.0	84
46	Synthesis and Characterization of Alkylâ€Imidazoliumâ€Based Periodic Mesoporous Organosilicas: A Versatile Host for the Immobilization of Perruthenate (RuO₄^{â^’}) in the Aerobic Oxidation of Alcohols. Chemistry - A European Journal, 2012, 18, 13520-13530.	1.7	84
47	The HtrA/DegP family protease MamE is a bifunctional protein with roles in magnetosome protein localization and magnetite biomineralization. Molecular Microbiology, 2011, 80, 1075-1087.	1.2	82
48	Evidence of biogenic greigite (ferrimagnetic Fe3S4) in soil. European Journal of Soil Science, 1994, 45, 97-103.	1.8	81
49	Enhanced phenol degradation by Pseudomonas sp. SA01: Gaining insight into the novel single and hybrid immobilizations. Journal of Hazardous Materials, 2010, 175, 284-292.	6.5	81
50	Microbial preparation of metal-substituted magnetite nanoparticles. Journal of Microbiological Methods, 2007, 70, 150-158.	0.7	80
51	Ultrastructure and flow behavior of colloidal smectite dispersions. Journal of Colloid and Interface Science, 1988, 126, 278-291.	5.0	75
52	Desulfovibrio magneticus RS-1 contains an iron- and phosphorus-rich organelle distinct from its bullet-shaped magnetosomes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12263-12268.	3.3	74
53	Magnetofossil spike during the Paleoceneâ€Eocene thermal maximum: Ferromagnetic resonance, rock magnetic, and electron microscopy evidence from Ancora, New Jersey, United States. Paleoceanography, 2007, 22, .	3.0	72
54	Mn and Zn incorporation into calcite as a function of chloride aqueous concentration. Geochimica Et Cosmochimica Acta, 2000, 64, 2417-2430.	1.6	71

#	Article	IF	Citations
55	Selective oxidation of alcohols with hydrogen peroxide catalyzed byÂtungstate ions (WO4=) supported on periodic mesoporous organosilica with imidazolium frameworks (PMO-IL). Tetrahedron, 2014, 70, 6114-6119.	1.0	71
56	Transferrin receptor 1 controls systemic iron homeostasis by fine-tuning hepcidin expression to hepatocellular iron load. Blood, 2019, 133, 344-355.	0.6	71
57	Gigantism in unique biogenic magnetite at the Paleoceneâ€“Eocene Thermal Maximum. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17648-17653.	3.3	69
58	Ultrastructural Characterization of Turnip Mosaic Virus-Induced Cellular Rearrangements Reveals Membrane-Bound Viral Particles Accumulating in Vacuoles. Journal of Virology, 2015, 89, 12441-12456.	1.5	69
59	Elastin Haploinsufficiency Impedes the Progression of Arterial Calcification in MGP-Deficient Mice. Journal of Bone and Mineral Research, 2014, 29, 327-337.	3.1	68
60	Silica-encapsulated magnetic nanoparticles: Enzyme immobilization and cytotoxic study. International Journal of Biological Macromolecules, 2012, 50, 1063-1069.	3.6	67
61	Observation of shrinkage cracks in ocean floor titanomagnetites. Physics of the Earth and Planetary Interiors, 1987, 46, 197-205.	0.7	66
62	Annexin1 regulates DC efferocytosis and cross-presentation during Mycobacterium tuberculosis infection. Journal of Clinical Investigation, 2015, 125, 752-768.	3.9	65
63	Secondary Mineral Genesis from Chlorite and Serpentine in an Ultramafic Soil Toposequence. Soil Science Society of America Journal, 2003, 67, 1309-1317.	1.2	64
64	Schizophrenia-Like Features in Transgenic Mice Overexpressing Human HO-1 in the Astrocytic Compartment. Journal of Neuroscience, 2012, 32, 10841-10853.	1.7	63
65	Peroxisome division in the yeast Yarrowia lipolytica is regulated by a signal from inside the peroxisome. Journal of Cell Biology, 2003, 162, 1255-1266.	2.3	61
66	Paleointensity of the ancient Martian magnetic field. Geophysical Research Letters, 2008, 35, .	1.5	61
67	Novel Ordered Mesoporous Carbon Based Sulfonic Acid as an Efficient Catalyst in the Selective Dehydration of Fructose into 5-HMF: the Role of Solvent and Surface Chemistry. ACS Applied Materials & Interfaces, 2015, 7, 19050-19059.	4.0	61
68	Nanoscale characterization of the biomolecular corona by cryo-electron microscopy, cryo-electron tomography, and image simulation. Nature Communications, 2021, 12, 573.	5.8	61
69	Modulation of Calcium Oxalate Dihydrate Growth by Selective Crystal-face Binding of Phosphorylated Osteopontin and Polyaspartate Peptide Showing Occlusion by Sectoral (Compositional) Zoning. Journal of Biological Chemistry, 2009, 284, 23491-23501.	1.6	60
70	A Nanoâ€Fibrillated Mesoporous Carbon as an Effective Support for Palladium Nanoparticles in the Aerobic Oxidation of Alcohols â€œon Pure Waterâ€• Chemistry - A European Journal, 2012, 18, 8634-8640.	1.7	60
71	Two-Dimensional Magnesium Phosphate Nanosheets Form Highly Thixotropic Gels That Up-Regulate Bone Formation. Nano Letters, 2016, 16, 4779-4787.	4.5	60
72	Nanoforms: a new type of protein-associated mineralization. Geochimica Et Cosmochimica Acta, 2001, 65, 63-74.	1.6	57

#	Article	IF	Citations
73	Thermal stability and annealing behaviour of ultrafine grained commercially pure titanium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 532, 58-63.	2.6	57
74	A tissue-mimetic nano-fibrillar hybrid injectable hydrogel for potential soft tissue engineering applications. Scientific Reports, 2018, 8, 1047.	1.6	57
75	Macromitophagy is a longevity assurance process that in chronologically aging yeast limited in calorie supply sustains functional mitochondria and maintains cellular lipid homeostasis. Aging, 2013, 5, 234-269.	1.4	57
76	Regulation of enamel hardness by its crystallographic dimensions. Acta Biomaterialia, 2012, 8, 3400-3410.	4.1	55
77	Trace elements can influence the physical properties of tooth enamel. SpringerPlus, 2013, 2, 499.	1.2	55
78	Cytotoxicity and Cell Cycle Effects of Bare and Poly(vinyl alcohol)â€Coated Iron Oxide Nanoparticles in Mouse Fibroblasts. Advanced Engineering Materials, 2009, 11, B243.	1.6	54
79	Eco-friendly electrocatalytic oxidation of alcohols on a novel electro generated TEMPO-functionalized MCM-41 modified electrode. Green Chemistry, 2015, 17, 991-1000.	4.6	53
80	Intracellular precipitation of hydroxyapatite mineral and implications for pathologic calcification. Journal of Structural Biology, 2008, 162, 468-479.	1.3	52
81	14-3-3 Protects against stress-induced apoptosis. Cell Death and Disease, 2012, 3, e348-e348.	2.7	52
82	Nickel and lead biosorption by Curtobacterium sp. FM01, an indigenous bacterium isolated from farmland soils of northeast Iran. Journal of Environmental Chemical Engineering, 2016, 4, 950-957.	3.3	52
83	Cyanobacterial diversity and activity in modern conical microbialites. Geobiology, 2012, 10, 384-401.	1.1	51
84	Crystal morphology of MV-1 magnetite. American Mineralogist, 2002, 87, 1727-1730.	0.9	50
85	The significance of crystallographic texture of titanium alloy substrates on pre-osteoblast responses. Biomaterials, 2006, 27, 3532-9.	5.7	50
86	A novel ironâ€•and copperâ€binding protein in the <scp>L</scp>yme disease spirochaete. Molecular Microbiology, 2012, 86, 1441-1451.	1.2	50
87	Auâ€“Pd bimetallic nanoparticles supported on a high nitrogen-rich ordered mesoporous carbon as an efficient catalyst for room temperature Ullmann coupling of aryl chlorides in aqueous media. Chemical Communications, 2018, 54, 7155-7158.	2.2	50
88	A Genetic Strategy for Probing the Functional Diversity of Magnetosome Formation. PLoS Genetics, 2015, 11, e1004811.	1.5	48
89	Unregulated brain iron deposition in transgenic mice overâ€expressing <scp>HMOX</scp>1 in the astrocytic compartment. Journal of Neurochemistry, 2012, 123, 325-336.	2.1	47
90	Palladium on Ionic Liquid Derived Nanofibrillated Mesoporous Carbon: A Recyclable Catalyst for the Ullmann Homocoupling Reactions of Aryl Halides in Water. ChemCatChem, 2014, 6, 745-748.	1.8	47

#	Article	IF	Citations
91	Sex as an important factor in nanomedicine. Nature Communications, 2021, 12, 2984.	5.8	47
92	Tungstate Supported on Periodic Mesoporous Organosilica with Imidazolium Framework as an Efficient and Recyclable Catalyst for the Selective Oxidation of Sulfides. ChemPlusChem, 2015, 80, 990-999.	1.3	46
93	Hydrothermal alteration of olivine in a flow-through autoclave: Nucleation and growth of serpentine phases. American Mineralogist, 2002, 87, 1699-1709.	0.9	45
94	A Highly Waterâ€Dispersible/Magnetically Separable Palladium Catalyst: Selective Transfer Hydrogenation or Direct Reductive Nâ€Formylation of Nitroarenes in Water. ChemPlusChem, 2015, 80, 1750-1759.	1.3	43
95	Eutectic nucleation in hypoeutectic Al-Si alloys. Materials Characterization, 2008, 59, 1466-1473.	1.9	42
96	Calcium carbonate precipitation by strain Bacillus licheniformis<scp>AK</scp>01, newly isolated from loamy soil: a promising alternative for sealing cementâ€based materials. Journal of Basic Microbiology, 2015, 55, 105-111.	1.8	41
97	Chiral switching in biomineral suprastructures induced by homochiral <scp>l</scp> -amino acid. Science Advances, 2018, 4, eaas9819.	4.7	41
98	Ultrasmall Platinum Nanoparticles Supported Inside the Nanospaces of Periodic Mesoporous Organosilica with an Imidazolium Network: An Efficient Catalyst for the Aerobic Oxidation of Unactivated Alcohols in Water. ChemCatChem, 2016, 8, 906-910.	1.8	40
99	Magnetic Bacteria in Lake Sediments. , 1989, , 231-241.		39
100	Identification of vermiculite by transmission electron microscopy and X-ray diffraction. Clay Minerals, 1992, 27, 185-192.	0.2	39
101	Macromitophagy, neutral lipids synthesis, and peroxisomal fatty acid oxidation protect yeast from â€œliponecrosisâ€, a previously unknown form of programmed cell death. Cell Cycle, 2014, 13, 138-147.	1.3	39
102	Anchorage of Vinculin to Lipid Membranes Influences Cell Mechanical Properties. Biophysical Journal, 2009, 97, 3105-3112.	0.2	38
103	Effect of rhamnolipid biosurfactants on performance of coal and mineral flotation. International Biodeterioration and Biodegradation, 2011, 65, 1238-1243.	1.9	38
104	Sensing of Alzheimerâ€™s Disease and Multiple Sclerosis Using Nano-Bio Interfaces. Journal of Alzheimer's Disease, 2017, 59, 1187-1202.	1.2	38
105	Observations of Magnetosome Organization, Surface Structure, and Iron Biomineralization of Undescribed Magnetic Bacteria: Evolutionary Speculations. , 1991, , 97-115.		36
106	Polyethylene glycol and octa-arginine dual-functionalized nanographene oxide: an optimization for efficient nucleic acid delivery. Biomaterials Science, 2018, 6, 1636-1650.	2.6	35
107	Nanomaterials for bone tissue regeneration: updates and future perspectives. Nanomedicine, 2019, 14, 2987-3006.	1.7	35
108	A high-fat diet modulates iron metabolism but does not promote liver fibrosis in hemochromatotic Hjv^{â^'/â^'} mice. American Journal of Physiology - Renal Physiology, 2015, 308, G251-G261.	1.6	34

#	Article	IF	Citations
109	The response of fibrinogen, platelets, endothelial and smooth muscle cells to an electrochemically modified SS316LS surface: Towards the enhanced biocompatibility of coronary stents. Acta Biomaterialia, 2010, 6, 695-701.	4.1	33
110	Amorphous TiO2coated into periodic mesoporous organosilicate channels as a new binary photocatalyst for regeneration of carbonyl compounds from oximes under sunlight irradiation. Organic and Biomolecular Chemistry, 2013, 11, 416-419.	1.5	33
111	Improving the Selectivity toward Threeâ€Component Biginelli versus Hantzsch Reactions by Controlling the Catalyst Hydrophobic/Hydrophilic Surface Balance. ChemCatChem, 2014, 6, 212-219.	1.8	33
112	Reactionâ€“diffusion model of nutrient uptake in a biofilm: Theory and experiment. Journal of Theoretical Biology, 2011, 289, 90-95.	0.8	32
113	The Biological Oxidant and Life Detection (BOLD) mission: A proposal for a mission to Mars. Planetary and Space Science, 2012, 67, 57-69.	0.9	32
114	Investigation of the Viability, Adhesion, and Migration of Human Fibroblasts in a Hyaluronic Acid/Gelatin Microgelâ€Reinforced Composite Hydrogel for Vocal Fold Tissue Regeneration. Advanced Healthcare Materials, 2016, 5, 255-265.	3.9	32
115	TEM study of Pt-C replicas of calcite overgrowths precipitated from electrolyte solutions. Geochimica Et Cosmochimica Acta, 1996, 60, 4689-4699.	1.6	31
116	Electrochemical performance of a novel ionic liquid derived mesoporous carbon. Chemical Communications, 2012, 48, 2776.	2.2	31
117	On the importance of crystallographic texture in the biocompatibility of titanium based substrate. Journal of Biomedical Materials Research - Part A, 2014, 102, 3631-3638.	2.1	31
118	A ribosomal protein S5 isoform is essential for oogenesis and interacts with distinct RNAs in Drosophila melanogaster. Scientific Reports, 2019, 9, 13779.	1.6	31
119	Engineered substrates with imprinted cell-like topographies induce direct differentiation of adipose-derived mesenchymal stem cells into Schwann cells. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 1022-1035.	1.9	31
120	Contribution of osteocalcin-mimetic peptide enhances osteogenic activity and extracellular matrix mineralization of human osteoblast-like cells. Colloids and Surfaces B: Biointerfaces, 2019, 173, 662-671.	2.5	31
121	Synergistic catalysis within TEMPO-functionalized periodic mesoporous organosilica with bridge imidazolium groups in the aerobic oxidation of alcohols. RSC Advances, 2016, 6, 63717-63723.	1.7	30
122	Gold Nano/Micro-Islands Overcome the Molecularly Imprinted Polymer Limitations to Achieve Ultrasensitive Protein Detection. ACS Sensors, 2021, 6, 797-807.	4.0	30
123	Psychrophilic Î±-amylase from Aeromonas veronii NS07 isolated from farm soils. Process Biochemistry, 2012, 47, 1381-1387.	1.8	29
124	C-terminal Amidation of an Osteocalcin-derived Peptide Promotes Hydroxyapatite Crystallization. Journal of Biological Chemistry, 2013, 288, 7885-7893.	1.6	27
125	Sulfonic acid-functionalized periodic mesoporous organosilicas in esterification and selective acylation reactions. Catalysis Science and Technology, 2015, 5, 3624-3631.	2.1	25
126	Cellular and molecular mechanisms of abnormal calcification following ischemiaâ€“reperfusion injury in human liver transplantation. Modern Pathology, 2007, 20, 357-366.	2.9	24

#	Article	IF	Citations
127	Hydroquinone functionalized oriented MCM-41 mesochannels at the electrode surface. Electrochimica Acta, 2013, 94, 198-205.	2.6	24
128	Biocorrosion and biocompatibility of Zrâ€“Cuâ€“Feâ€“Al bulk metallic glasses. Surface and Interface Analysis, 2013, 45, 1714-1720.	0.8	24
129	High-performance supercapacitors based on an ionic liquid-derived nanofibrillated mesoporous carbon. Journal of Solid State Electrochemistry, 2014, 18, 2419-2424.	1.2	24
130	Control of plugging in bifunctional periodic mesoporous organosilica with imidazolium framework (BFPMO) via stepwise addition of silica precursors. Journal of Materials Chemistry A, 2015, 3, 6575-6585.	5.2	24
131	Compartmentalization of membrane trafficking, glucose transport, glycolysis, actin, tubulin and the proteasome in the cytoplasmic droplet/Hermes body of epididymal sperm. Open Biology, 2015, 5, 150080.	1.5	24
132	Imidazolylâ€Functionalized Ordered Mesoporous Polymer from Nanocasting as an Effective Support for Highly Dispersed Palladium Nanoparticles in the Heck Reaction. ChemCatChem, 2016, 8, 2508-2515.	1.8	24
133	Aerobic Oxidation of Alcohols Catalyzed by in Situ Generated Gold Nanoparticles inside the Channels of Periodic Mesoporous Organosilica with Ionic Liquid Framework. ACS Combinatorial Science, 2020, 22, 70-79.	3.8	24
134	Expression, sorting, and segregation of Golgi proteins during germ cell differentiation in the testis. Molecular Biology of the Cell, 2015, 26, 4015-4032.	0.9	23
135	Imidazolium-based mesoporous organosilicas with bridging organic groups for microextraction by packed sorbent of phenoxy acid herbicides, polycyclic aromatic hydrocarbons and chlorophenols. Mikrochimica Acta, 2019, 186, 239.	2.5	23
136	How and why intralumenal membrane fragments form during vacuolar lysosome fusion. Molecular Biology of the Cell, 2017, 28, 309-321.	0.9	22
137	Arrangement of n-Alkylammonium Ions in Phlogopite and Vermiculite: An XRD and TEM Study. Clays and Clay Minerals, 1992, 40, 240-245.	0.6	21
138	Isolation of Campylobacter fetus subsp. fetus from a Patient with Cellulitis. Journal of Clinical Microbiology, 2002, 40, 4792-4796.	1.8	20
139	Choroideremia Is a Systemic Disease With Lymphocyte Crystals and Plasma Lipid and RBC Membrane Abnormalities. , 2015, 56, 8158.		20
140	A Flow Perfusion Bioreactor System for Vocal Fold Tissue Engineering Applications. Tissue Engineering - Part C: Methods, 2016, 22, 823-838.	1.1	20
141	Synergistic catalysis within core-shell Fe3O4@SiO2 functionalized with triethylene glycol (TEG)-imidazolium ionic liquid and tetramethylpiperidine N-oxyl (TEMPO) boosting selective aerobic oxidation of alcohols. Journal of Colloid and Interface Science, 2021, 589, 474-485.	5.0	20
142	Aerobic Oxidative Dehydrogenation of Amines Catalyzed by a Recoverable Ruthenium Catalyst under Mild Reaction Conditions. ChemCatChem, 2018, 10, 1783-1787.	1.8	19
143	Titanium crystal orientation as a tool for the improved and regulated cell attachment. Journal of Biomedical Materials Research - Part A, 2009, 91A, 656-662.	2.1	18
144	<title>Sedimentary rocks in our mouth: dental pulp stones made by nanobacteria</title>. , 1998, , .		17

#	Article	IF	Citations
145	Linear and nonlinear optical responses of a dye anchored to gold nanoparticles dispersed in liquid and polymeric matrixes. Canadian Journal of Chemistry, 2002, 80, 1625-1633.	0.6	17
146	The positive influence of electrochemical cyclic potentiodynamic passivation (CPP) of a SS316LS surface on its response to fibronectin and pre-osteoblasts. Physical Chemistry Chemical Physics, 2009, 11, 6218.	1.3	17
147	Electrochemical fabrication of electroactive ordered mesoporous electrode. Analyst, The, 2013, 138, 1740.	1.7	17
148	Restoring Endogenous Repair Mechanisms to Heal Chronic Wounds with a Multifunctional Wound Dressing. Molecular Pharmaceutics, 2021, 18, 3171-3180.	2.3	17
149	Formation of Replicating Saponite from a Gel in the Presence of Oxalate: Implications for the Formation of Clay Minerals in Carbonaceous Chondrites and the Origin of Life. Astrobiology, 2012, 12, 549-561.	1.5	16
150	The effect of crystallographic orientation of titanium substrate on the structure and bioperformance of hydroxyapatite coatings. Colloids and Surfaces B: Biointerfaces, 2013, 103, 200-208.	2.5	16
151	Ethylenediamine-modified oriented MCM-41 at the electrode surface, cobalt adsorption ability and electrochemical performance. Dalton Transactions, 2014, 43, 4901.	1.6	16
152	Gold-Labeled Block Copolymer Micelles Reveal Gold Aggregates at Multiple Subcellular Sites. Langmuir, 2007, 23, 4830-4836.	1.6	15
153	Differential proteome analysis of a selected bacterial strain isolated from a high background radiation area in response to radium stress. Journal of Proteomics, 2012, 75, 4820-4832.	1.2	15
154	Nanopalladium on Magnetic Ionic Nanoparticle Network (MINN) as an Efficient and Recyclable Catalyst with High Ionic Density and Dispersibility. ACS Sustainable Chemistry and Engineering, 2019, 7, 3811-3823.	3.2	15
155	Nostoc entophytum cell response to cadmium exposure: A possible role of chaperon proteins GroEl and HtpG in cadmium-induced stress. Ecotoxicology and Environmental Safety, 2019, 169, 40-49.	2.9	15
156	Palladium supported on a novel ordered mesoporous polypyrrole/carbon nanocomposite as a powerful heterogeneous catalyst for the aerobic oxidation of alcohols to carboxylic acids and ketones on water. RSC Advances, 2020, 10, 13616-13631.	1.7	14
157	Cyanophycin Mediates the Accumulation and Storage of Fixed Carbon in Non-Heterocystous Filamentous Cyanobacteria from Coniform Mats. PLoS ONE, 2014, 9, e88142.	1.1	13
158	Mouse models of hereditary hemochromatosis do not develop early liver fibrosis in response to a high fat diet. PLoS ONE, 2019, 14, e0221455.	1.1	13
159	Antibacterial Activity and Probiotic Potential of Lactobacillus plantarum HKN01: A New Insight into the Morphological Changes of Antibacterial Compound-Treated Escherichia coli by Electron Microscopy. Journal of Microbiology and Biotechnology, 2013, 23, 225-236.	0.9	13
160	Expandability of anchizonal illite and chlorite: Significance for crystallinity development in the transition from diagenesis to metamorphism. American Mineralogist, 2003, 88, 748-762.	0.9	12
161	Minimizing the Size of Palladium Nanoparticles Immobilized within the Channels of Ionic Liquid-Derived Magnetically Separable Heteroatom-Doped Mesoporous Carbon for Aerobic Oxidation of Alcohols. ACS Applied Nano Materials, 2020, 3, 10612-10627.	2.4	12
162	The Microstructure of Dilute Clay and Humic Acid Suspensions Revealed by Freeze-Fracture Electron Microscopy: Discussion. Clays and Clay Minerals, 1992, 40, 620-623.	0.6	11

#	Article	IF	Citations
163	Graft calcifications and dysfunction following liver transplantation. BMC Surgery, 2004, 4, 9.	0.6	11
164	Catalyzed Synthesis of Zinc Clays by Prebiotic Central Metabolites. Scientific Reports, 2017, 7, 533.	1.6	11
165	New Provisional Function of OmpA from Acinetobacter sp. Strain SA01 Based on Environmental Challenges. MSystems, 2021, 6, .	1.7	11
166	EFFECTS OF CRYSTAL SIZE AND ORIENTATION OF SUBSTRATES ON CELL ADHESION: IMPLICATION FOR MEDICAL IMPLANTS. International Journal of Modern Physics B, 2008, 22, 3069-3081.	1.0	10
167	Influence of calcinated and non calcinated nanobioglass particles on hardness and bioactivity of solâ€“gel-derived TiO2â€“SiO2 nano composite coatings on stainless steel substrates. Journal of Materials Science: Materials in Medicine, 2011, 22, 829-838.	1.7	10
168	Novel TEM approaches to imaging of microstructures in carbonates; clues to growth mechanisms in calcite and dolomite. American Mineralogist, 1999, 84, 1939-1949.	0.9	9
169	Regulated fracture in tooth enamel: A nanotechnological strategy from nature. Journal of Biomechanics, 2014, 47, 2444-2451.	0.9	9
170	Manganese dioxide nanoparticles incorporated within ionic liquid derived fibrillated mesoporous carbon: electrode material for high-performance supercapacitors. RSC Advances, 2015, 5, 84840-84848.	1.7	9
171	Cancer biomarkers in atherosclerotic plaque: Evidenced from structural and proteomic analyses. Biochemical and Biophysical Research Communications, 2019, 509, 687-693.	1.0	9
172	Inhibition of stress mediated cell death by human lactate dehydrogenase B in yeast. FEMS Yeast Research, 2015, 15, fov032.	1.1	8
173	Unraveling Aqueous Self-Assembly of Telodendrimers to Shed Light on Their Efficacy in Drug Encapsulation. ACS Applied Bio Materials, 2019, 2, 4515-4526.	2.3	8
174	Comparative Study of Nanoscale Surface Structures of Calcite Microcrystals Using FE-SEM, AFM, and TEM. Microscopy and Microanalysis, 2006, 12, 302-310.	0.2	7
175	The Influence of Oxalate-promoted Growth of Saponite and Talc Crystals on Rectorite: Testing the Intercalation-synthesis Hypothesis of 2:1 Layer Silicates. Clays and Clay Minerals, 2013, 61, 342-360.	0.6	7
176	An Amphiphilic Mesoporous Polymer Comprising a â€œbuiltâ€•nâ€•Imidazolium Ionic Liquid via Nanocasting Method as a Novel Catalyst Support with Combined Prospects. ChemistrySelect, 2019, 4, 347-356.	0.7	7
177	Expansion Behavior of Octadecylammonium-Exchanged Low- to High-Charge Reference Smectite-Group Minerals as Revealed by High-Resolution Transmission Electron Microscopy on Ultrathin Sections. Clays and Clay Minerals, 2014, 62, 336-353.	0.6	6
178	Patient-specific finite element analysis of heart failure and the impact of surgical intervention in pulmonary hypertension secondary to mitral valve disease. Medical and Biological Engineering and Computing, 2022, 60, 1723-1744.	1.6	6
179	Effects of Grain Size and Texture on the Biocompatibility of Commercially Pure Titanium. Materials Science Forum, 0, 702-703, 822-825.	0.3	5
180	Distinctive protein expression patterns of the strain Brevundimonas sp. ZF12 isolated from the aqueous zone containing high levels of radiation to cadmium-induced stress. Journal of Biotechnology, 2014, 186, 49-57.	1.9	5

#	Article	IF	Citations
181	Vocal Fold Tissue Regeneration: Investigation of the Viability, Adhesion, and Migration of Human Fibroblasts in a Hyaluronic Acid/Gelatin Microgelâ€Reinforced Composite Hydrogel for Vocal Fold Tissue Regeneration (Adv. Healthcare Mater. 2/2016). Advanced Healthcare Materials, 2016, 5, 188-188.	3.9	5
182	Multifunctional Acidocin 4356 Combats Pseudomonas aeruginosa through Membrane Perturbation and Virulence Attenuation: Experimental Results Confirm Molecular Dynamics Simulation. Applied and Environmental Microbiology, 2020, 86, .	1.4	5
183	From Deep Eutectic Solvents to Nitrogenâ€rich Ordered Mesoporous Carbons: A Powerful Host for the Immobilization of Palladium Nanoparticles in the Aerobic Oxidation of Alcohols. ChemCatChem, 2022, 14, .	1.8	5
184	The Role of Carboxydothermus hydrogenoformans in the Conversion of Calcium Phosphate from Amorphous to Crystalline State. PLoS ONE, 2014, 9, e89480.	1.1	4
185	Human Thyroid Cancer-1 (TC-1) is a vertebrate specific oncogenic protein that protects against copper and pro-apoptotic genes in yeast. Microbial Cell, 2015, 2, 247-255.	1.4	4
186	Microencapsulated Multifunctionalized Graphene Oxide Equipped with Chloroquine for Efficient and Sustained siRNA Delivery. BioMed Research International, 2022, 2022, 1-16.	0.9	4
187	Proteomics analysis of liver pathological calcification suggests a role for the IQ motif containing GTPase activating protein 1 in myofibroblast function. Proteomics - Clinical Applications, 2009, 3, 307-321.	0.8	3
188	Cubic nanocasted polyaniline-ordered mesoporous carbon composite and its application for enhanced catalytic activity of palladium nanoparticles in the aerobic oxidation of alcohols in water. Molecular Catalysis, 2020, 496, 111182.	1.0	3
189	<title>Formation of magnetite and iron-rich carbonates by thermophilic iron-reducing bacteria</title>. , 1997, 3111, 61.		2
190	The Biological Oxidant and Life Detection (BOLD) mission: an outline for a new mission to Mars. Proceedings of SPIE, 2007, , .	0.8	2
191	<title>Significance of microstructure for the recognition of biologically mediated mineralization</title>. , 1997, 3111, 137.		1
192	Visualization of SNARE-Mediated Organelle Membrane Hemifusion by Electron Microscopy. Methods in Molecular Biology, 2019, 1860, 361-377.	0.4	1
193	Comparison of Growth Performance, Pigment Synthesis, and Esterase Activity of Synechococcus sp. HS01 and Limnothrix sp. KO01 in Response to Cadmium Toxicity. Current Microbiology, 2022, 79, 125.	1.0	1
194	<title>Linear and nonlinear optical response of metal colloid heterostructures by molecular self-assembly on optical chemical benches</title>. , 1998, , .		0
195	Zwitterionic Detergents Promote the Formation of Atypical AÃŸ40 Fibrils. Microscopy and Microanalysis, 2002, 8, 952-953.	0.2	0
196	P4-397 Zwitterionic compounds promote conformationally and morphologically unique changes in the Aî² peptide. Neurobiology of Aging, 2004, 25, S587.	1.5	0
197	Abstract 444: Semaphorin3A Reduces Atherosclerotic Plaque Formation in ApoE Knock Out Mice Through Regulation of M2 Type Macrophage Migration. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	1.1	0
198	Title is missing!. , 2019, 14, e0221455.		0

#	Article	IF	Citations
199	Title is missing!. , 2019, 14, e0221455.		0
200	Title is missing!. , 2019, 14, e0221455.		0
201	Abstract 379: Potential Protective Effects of Semaphorin3A on Macrophage Function. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	1.1	0