

Hojatollah Vali

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.

195
papers

10,689
citations

57
h-index

96
g-index

205
ext. papers

12,010
ext. citations

7.1
avg, IF

6.09
L-index

#	Paper	IF	Citations
195	Comparison of Growth Performance, Pigment Synthesis, and Esterase Activity of <i>Synechococcus</i> sp. HS01 and <i>Limnothrix</i> sp. KO01 in Response to Cadmium Toxicity.. <i>Current Microbiology</i> , 2022 , 79, 125	2.4	1
194	Microencapsulated Multifunctionalized Graphene Oxide Equipped with Chloroquine for Efficient and Sustained siRNA Delivery.. <i>BioMed Research International</i> , 2022 , 2022, 5866361	3	1
193	Patient-specific finite element analysis of heart failure and the impact of surgical intervention in pulmonary hypertension secondary to mitral valve disease.. <i>Medical and Biological Engineering and Computing</i> , 2022 , 60, 1723	3.1	0
192	Sex as an important factor in nanomedicine. <i>Nature Communications</i> , 2021 , 12, 2984	17.4	22
191	Synergistic catalysis within core-shell FeO@SiO functionalized with triethylene glycol (TEG)-imidazolium ionic liquid and tetramethylpiperidine N-oxyl (TEMPO) boosting selective aerobic oxidation of alcohols. <i>Journal of Colloid and Interface Science</i> , 2021 , 589, 474-485	9.3	9
190	Restoring Endogenous Repair Mechanisms to Heal Chronic Wounds with a Multifunctional Wound Dressing. <i>Molecular Pharmaceutics</i> , 2021 , 18, 3171-3180	5.6	5
189	Gold Nano/Micro-Islands Overcome the Molecularly Imprinted Polymer Limitations to Achieve Ultrasensitive Protein Detection. <i>ACS Sensors</i> , 2021 , 6, 797-807	9.2	15
188	New Provisional Function of OmpA from sp. Strain SA01 Based on Environmental Challenges. <i>MSystems</i> , 2021 , 6,	7.6	4
187	Nanoscale characterization of the biomolecular corona by cryo-electron microscopy, cryo-electron tomography, and image simulation. <i>Nature Communications</i> , 2021 , 12, 573	17.4	35
186	Aerobic Oxidation of Alcohols Catalyzed by Generated Gold Nanoparticles inside the Channels of Periodic Mesoporous Organosilica with Ionic Liquid Framework. <i>ACS Combinatorial Science</i> , 2020 , 22, 70-79	3.9	13
185	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.. <i>RSC Advances</i> , 2020 , 10, 13616-13631	3.7	5
184	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. <i>ACS Applied Nano Materials</i> , 2020 , 3, 10612-10627	5.6	2
183	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. <i>Molecular Catalysis</i> , 2020 , 496, 111182	3.3	0
182	An Amphiphilic Mesoporous Polymer Comprising a Built-in Imidazolium Ionic Liquid via Nanocasting Method as a Novel Catalyst Support with Combined Prospects. <i>ChemistrySelect</i> , 2019 , 4, 347-356	1.8	4
181	Mouse models of hereditary hemochromatosis do not develop early liver fibrosis in response to a high fat diet. <i>PLoS ONE</i> , 2019 , 14, e0221455	3.7	9
180	Unraveling Aqueous Self-Assembly of Telodendrimers to Shed Light on Their Efficacy in Drug Encapsulation.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 4515-4526	4.1	6
179	A ribosomal protein S5 isoform is essential for oogenesis and interacts with distinct RNAs in <i>Drosophila melanogaster</i> . <i>Scientific Reports</i> , 2019 , 9, 13779	4.9	14

178	Imidazolium-based mesoporous organosilicas with bridging organic groups for microextraction by packed sorbent of phenoxy acid herbicides, polycyclic aromatic hydrocarbons and chlorophenols. <i>Mikrochimica Acta</i> , 2019 , 186, 239	5.8	13
177	Engineered substrates with imprinted cell-like topographies induce direct differentiation of adipose-derived mesenchymal stem cells into Schwann cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 1022-1035	6.1	18
176	Nanomaterials for bone tissue regeneration: updates and future perspectives. <i>Nanomedicine</i> , 2019 , 14, 2987-3006	5.6	20
175	Nanopalladium on Magnetic Ionic Nanoparticle Network (MINN) as an Efficient and Recyclable Catalyst with High Ionic Density and Dispersibility. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3811-3823	8.3	13
174	Nostoc entophyllum cell response to cadmium exposure: A possible role of chaperon proteins GroEl and HtpG in cadmium-induced stress. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 169, 40-49	7	8
173	Cancer biomarkers in atherosclerotic plaque: Evidenced from structural and proteomic analyses. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 509, 687-693	3.4	5
172	Contribution of osteocalcin-mimetic peptide enhances osteogenic activity and extracellular matrix mineralization of human osteoblast-like cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 173, 662-671	6	19
171	Visualization of SNARE-Mediated Organelle Membrane Hemifusion by Electron Microscopy. <i>Methods in Molecular Biology</i> , 2019 , 1860, 361-377	1.4	1
170	Transferrin receptor 1 controls systemic iron homeostasis by fine-tuning hepcidin expression to hepatocellular iron load. <i>Blood</i> , 2019 , 133, 344-355	2.2	37
169	Mouse models of hereditary hemochromatosis do not develop early liver fibrosis in response to a high fat diet 2019 , 14, e0221455		
168	Mouse models of hereditary hemochromatosis do not develop early liver fibrosis in response to a high fat diet 2019 , 14, e0221455		
167	Mouse models of hereditary hemochromatosis do not develop early liver fibrosis in response to a high fat diet 2019 , 14, e0221455		
166	Polyethylene glycol and octa-arginine dual-functionalized nanographene oxide: an optimization for efficient nucleic acid delivery. <i>Biomaterials Science</i> , 2018 , 6, 1636-1650	7.4	28
165	A tissue-mimetic nano-fibrillar hybrid injectable hydrogel for potential soft tissue engineering applications. <i>Scientific Reports</i> , 2018 , 8, 1047	4.9	45
164	Nanostructure, osteopontin, and mechanical properties of calcitic avian eggshell. <i>Science Advances</i> , 2018 , 4, eaar3219	14.3	47
163	Effect of Cell Sex on Uptake of Nanoparticles: The Overlooked Factor at the Nanobio Interface. <i>ACS Nano</i> , 2018 , 12, 2253-2266	16.7	65
162	Aerobic Oxidative Dehydrogenation of Amines Catalyzed by a Recoverable Ruthenium Catalyst under Mild Reaction Conditions. <i>ChemCatChem</i> , 2018 , 10, 1783-1787	5.2	13
161	Chiral switching in biomineral suprastructures induced by homochiral l-amino acid. <i>Science Advances</i> , 2018 , 4, eaas9819	14.3	28

160	Au-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. <i>Chemical Communications</i> , 2018 , 54, 7155-7158	5.8	35
159	Chiral acidic amino acids induce chiral hierarchical structure in calcium carbonate. <i>Nature Communications</i> , 2017 , 8, 15066	17.4	99
158	In vitro fibrillogenesis of tropocollagen type III in collagen type I affects its relative fibrillar topology and mechanics. <i>Scientific Reports</i> , 2017 , 7, 1392	4.9	76
157	Catalyzed Synthesis of Zinc Clays by Prebiotic Central Metabolites. <i>Scientific Reports</i> , 2017 , 7, 533	4.9	7
156	mTOR Controls Mitochondrial Dynamics and Cell Survival via MTFP1. <i>Molecular Cell</i> , 2017 , 67, 922-935.e57.6	5.6	156
155	Sensing of Alzheimer's Disease and Multiple Sclerosis Using Nano-Bio Interfaces. <i>Journal of Alzheimer's Disease</i> , 2017 , 59, 1187-1202	4.3	29
154	How and why intraluminal membrane fragments form during vacuolar lysosome fusion. <i>Molecular Biology of the Cell</i> , 2017 , 28, 309-321	3.5	14
153	A Flow Perfusion Bioreactor System for Vocal Fold Tissue Engineering Applications. <i>Tissue Engineering - Part C: Methods</i> , 2016 , 22, 823-38	2.9	12
152	Imidazolyl-Functionalized Ordered Mesoporous Polymer from Nanocasting as an Effective Support for Highly Dispersed Palladium Nanoparticles in the Heck Reaction. <i>ChemCatChem</i> , 2016 , 8, 2508-2515	5.2	17
151	Two-Dimensional Magnesium Phosphate Nanosheets Form Highly Thixotropic Gels That Up-Regulate Bone Formation. <i>Nano Letters</i> , 2016 , 16, 4779-87	11.5	51
150	Synergistic catalysis within TEMPO-functionalized periodic mesoporous organosilica with bridge imidazolium groups in the aerobic oxidation of alcohols. <i>RSC Advances</i> , 2016 , 6, 63717-63723	3.7	23
149	Nickel and lead biosorption by <i>Curtobacterium</i> sp. FM01, an indigenous bacterium isolated from farmland soils of northeast Iran. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 950-957	6.8	36
148	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. <i>ChemCatChem</i> , 2016 , 8, 906-910	5.2	36
147	Investigation of the Viability, Adhesion, and Migration of Human Fibroblasts in a Hyaluronic Acid/Gelatin Microgel-Reinforced Composite Hydrogel for Vocal Fold Tissue Regeneration. <i>Advanced Healthcare Materials</i> , 2016 , 5, 255-65	10.1	25
146	Vocal Fold Tissue Regeneration: Investigation of the Viability, Adhesion, and Migration of Human Fibroblasts in a Hyaluronic Acid/Gelatin Microgel-Reinforced Composite Hydrogel for Vocal Fold Tissue Regeneration (Adv. Healthcare Mater. 2/2016). <i>Advanced Healthcare Materials</i> , 2016 , 5, 188-188	10.1	5
145	Control of plugging in bifunctional periodic mesoporous organosilica with imidazolium framework (BFPMO) via stepwise addition of silica precursors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6575-6585	13	19
144	A genetic strategy for probing the functional diversity of magnetosome formation. <i>PLoS Genetics</i> , 2015 , 11, e1004811	6	41
143	Sulfonic acid-functionalized periodic mesoporous organosilicas in esterification and selective acylation reactions. <i>Catalysis Science and Technology</i> , 2015 , 5, 3624-3631	5.5	21

142	Tungstate Supported on Periodic Mesoporous Organosilica with Imidazolium Framework as an Efficient and Recyclable Catalyst for the Selective Oxidation of Sulfides. <i>ChemPlusChem</i> , 2015 , 80, 990-999	2.8	45
141	Cellulose Nanocrystals as Chiral Inducers: Enantioselective Catalysis and Transmission Electron Microscopy 3D Characterization. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6124-7	16.4	141
140	Expression, sorting, and segregation of Golgi proteins during germ cell differentiation in the testis. <i>Molecular Biology of the Cell</i> , 2015 , 26, 4015-32	3.5	19
139	Compartmentalization of membrane trafficking, glucose transport, glycolysis, actin, tubulin and the proteasome in the cytoplasmic droplet/Hermes body of epididymal sperm. <i>Open Biology</i> , 2015 , 5,	7	17
138	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. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19050-9	9.5	47
137	Inhibition of stress mediated cell death by human lactate dehydrogenase B in yeast. <i>FEMS Yeast Research</i> , 2015 , 15, fov032	3.1	6
136	Ultrastructural Characterization of Turnip Mosaic Virus-Induced Cellular Rearrangements Reveals Membrane-Bound Viral Particles Accumulating in Vacuoles. <i>Journal of Virology</i> , 2015 , 89, 12441-56	6.6	37
135	Manganese dioxide nanoparticles incorporated within ionic liquid derived fibrillated mesoporous carbon: electrode material for high-performance supercapacitors. <i>RSC Advances</i> , 2015 , 5, 84840-84848	3.7	9
134	A high-fat diet modulates iron metabolism but does not promote liver fibrosis in hemochromatotic H ₂ h ₂ ?/? mice. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, G251-61	5.1	27
133	Calcium carbonate precipitation by strain <i>Bacillus licheniformis</i> AK01, newly isolated from loamy soil: a promising alternative for sealing cement-based materials. <i>Journal of Basic Microbiology</i> , 2015 , 55, 105-11	2.7	27
132	Eco-friendly electrocatalytic oxidation of alcohols on a novel electro generated TEMPO-functionalized MCM-41 modified electrode. <i>Green Chemistry</i> , 2015 , 17, 991-1000	10	49
131	A Highly Water-Dispersible/Magnetically Separable Palladium Catalyst: Selective Transfer Hydrogenation or Direct Reductive N-Formylation of Nitroarenes in Water. <i>ChemPlusChem</i> , 2015 , 80, 1750-1759	2.8	37
130	Choroideremia Is a Systemic Disease With Lymphocyte Crystals and Plasma Lipid and RBC Membrane Abnormalities 2015 , 56, 8158-65		14
129	Accelerated Growth Rate and Increased Drought Stress Resilience of the Model Grass <i>Brachypodium distachyon</i> Colonized by <i>Bacillus subtilis</i> B26. <i>PLoS ONE</i> , 2015 , 10, e0130456	3.7	83
128	Palladium Nanoparticles Supported in the Nanospaces of Imidazolium-Based Bifunctional PMOs: The Role of Plugs in Selectivity Changeover in Aerobic Oxidation of Alcohols. <i>ACS Catalysis</i> , 2015 , 5, 4189-4200	13.1	74
127	Annexin1 regulates DC efferocytosis and cross-presentation during <i>Mycobacterium tuberculosis</i> infection. <i>Journal of Clinical Investigation</i> , 2015 , 125, 752-68	15.9	49
126	Human Thyroid Cancer-1 (TC-1) is a vertebrate specific oncogenic protein that protects against copper and pro-apoptotic genes in yeast. <i>Microbial Cell</i> , 2015 , 2, 247-255	3.9	3
125	A highly water-dispersible/magnetically separable palladium catalyst based on a Fe ₃ O ₄ @SiO ₂ anchored TEG-imidazolium ionic liquid for the Suzuki-Miyaura coupling reaction in water. <i>Green Chemistry</i> , 2014 , 16, 2587	10	138

124	Selective oxidation of alcohols with hydrogen peroxide catalyzed by tungstate ions (WO ₄ ⁼) supported on periodic mesoporous organosilica with imidazolium frameworks (PMO-IL). <i>Tetrahedron</i> , 2014 , 70, 6114-6119	2.4	65
123	Improving the Selectivity toward Three-Component Biginelli versus Hantzsch Reactions by Controlling the Catalyst Hydrophobic/Hydrophilic Surface Balance. <i>ChemCatChem</i> , 2014 , 6, 212-219	5.2	29
122	Ethylenediamine-modified oriented MCM-41 at the electrode surface, cobalt adsorption ability and electrochemical performance. <i>Dalton Transactions</i> , 2014 , 43, 4901-8	4.3	15
121	Distinctive protein expression patterns of the strain <i>Brevundimonas</i> sp. ZF12 isolated from the aqueous zone containing high levels of radiation to cadmium-induced stress. <i>Journal of Biotechnology</i> , 2014 , 186, 49-57	3.7	4
120	High-performance supercapacitors based on an ionic liquid-derived nanofibrillated mesoporous carbon. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 2419-2424	2.6	23
119	Value-adding to grape waste: Green synthesis of gold nanoparticles. <i>Journal of Food Engineering</i> , 2014 , 142, 210-220	6	103
118	Regulated fracture in tooth enamel: a nanotechnological strategy from nature. <i>Journal of Biomechanics</i> , 2014 , 47, 2444-51	2.9	8
117	Palladium on Ionic Liquid Derived Nanofibrillated Mesoporous Carbon: A Recyclable Catalyst for the Ullmann Homocoupling Reactions of Aryl Halides in Water. <i>ChemCatChem</i> , 2014 , 6, 745-748	5.2	38
116	The role of <i>Carboxydotherrmus hydrogenoformans</i> in the conversion of calcium phosphate from amorphous to crystalline state. <i>PLoS ONE</i> , 2014 , 9, e89480	3.7	4
115	Macromitophagy, neutral lipids synthesis, and peroxisomal fatty acid oxidation protect yeast from "liponecrosis", a previously unknown form of programmed cell death. <i>Cell Cycle</i> , 2014 , 13, 138-47	4.7	38
114	Expansion Behavior of Octadecylammonium-Exchanged Low- to High-Charge Reference Smectite-Group Minerals as Revealed by High-Resolution Transmission Electron Microscopy on Ultrathin Sections. <i>Clays and Clay Minerals</i> , 2014 , 62, 336-353	2.1	6
113	On the importance of crystallographic texture in the biocompatibility of titanium based substrate. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 3631-8	5.4	23
112	Elastin haploinsufficiency impedes the progression of arterial calcification in MGP-deficient mice. <i>Journal of Bone and Mineral Research</i> , 2014 , 29, 327-37	6.3	58
111	Cyanophycin mediates the accumulation and storage of fixed carbon in non-heterocystous filamentous cyanobacteria from coniform mats. <i>PLoS ONE</i> , 2014 , 9, e88142	3.7	8
110	The Influence of Oxalate-Promoted Growth of Saponite and Talc Crystals on Rectorite: Testing the Intercalation-Synthesis Hypothesis of 2:1 Layer Silicates. <i>Clays and Clay Minerals</i> , 2013 , 61, 342-360	2.1	7
109	C-terminal amidation of an osteocalcin-derived peptide promotes hydroxyapatite crystallization. <i>Journal of Biological Chemistry</i> , 2013 , 288, 7885-7893	5.4	21
108	The effect of crystallographic orientation of titanium substrate on the structure and bioperformance of hydroxyapatite coatings. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 103, 200-8	6	16
107	Trace elements can influence the physical properties of tooth enamel. <i>SpringerPlus</i> , 2013 , 2, 499		42

106	Influence of the physiochemical properties of superparamagnetic iron oxide nanoparticles on amyloid β protein fibrillation in solution. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 475-85	5.7	113
105	Amorphous TiO ₂ coated into periodic mesoporous organosilicate channels as a new binary photocatalyst for regeneration of carbonyl compounds from oximes under sunlight irradiation. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 416-9	3.9	32
104	Electrochemical fabrication of electroactive ordered mesoporous electrode. <i>Analyst, The</i> , 2013 , 138, 1740-4	5	15
103	Hydroquinone functionalized oriented MCM-41 mesochannels at the electrode surface. <i>Electrochimica Acta</i> , 2013 , 94, 198-205	6.7	22
102	Biocorrosion and biocompatibility of Zr ₄₀ Ti ₄₀ Be ₂₀ Al bulk metallic glasses. <i>Surface and Interface Analysis</i> , 2013 , 45, 1714-1720	1.5	18
101	Macromitophagy is a longevity assurance process that in chronologically aging yeast limited in calorie supply sustains functional mitochondria and maintains cellular lipid homeostasis. <i>Aging</i> , 2013 , 5, 234-69	5.6	53
100	Antibacterial activity and probiotic potential of <i>Lactobacillus plantarum</i> HKN01: a new insight into the morphological changes of antibacterial compound-treated <i>Escherichia coli</i> by electron microscopy. <i>Journal of Microbiology and Biotechnology</i> , 2013 , 23, 225-36	3.3	10
99	Thermal stability and annealing behaviour of ultrafine grained commercially pure titanium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 532, 58-63	5.3	51
98	The Biological Oxidant and Life Detection (BOLD) mission: A proposal for a mission to Mars. <i>Planetary and Space Science</i> , 2012 , 67, 57-69	2	26
97	Unregulated brain iron deposition in transgenic mice over-expressing HMOX1 in the astrocytic compartment. <i>Journal of Neurochemistry</i> , 2012 , 123, 325-36	6	38
96	Regulation of enamel hardness by its crystallographic dimensions. <i>Acta Biomaterialia</i> , 2012 , 8, 3400-10	10.8	46
95	Psychrophilic α -amylase from <i>Aeromonas veronii</i> NS07 isolated from farm soils. <i>Process Biochemistry</i> , 2012 , 47, 1381-1387	4.8	25
94	Cyanobacterial diversity and activity in modern conical microbialites. <i>Geobiology</i> , 2012 , 10, 384-401	4.3	42
93	Silica-encapsulated magnetic nanoparticles: enzyme immobilization and cytotoxic study. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 1063-9	7.9	60
92	Differential proteome analysis of a selected bacterial strain isolated from a high background radiation area in response to radium stress. <i>Journal of Proteomics</i> , 2012 , 75, 4820-32	3.9	12
91	Synthesis and characterization of alkyl-imidazolium-based periodic mesoporous organosilicas: a versatile host for the immobilization of perruthenate (RuO ₄ ⁻) in the aerobic oxidation of alcohols. <i>Chemistry - A European Journal</i> , 2012 , 18, 13520-30	4.8	78
90	Cell "vision": complementary factor of protein corona in nanotoxicology. <i>Nanoscale</i> , 2012 , 4, 5461-8	7.7	133
89	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. <i>Astrobiology</i> , 2012 , 12, 549-67	3.7	13

88	A novel iron- and copper-binding protein in the Lyme disease spirochaete. <i>Molecular Microbiology</i> , 2012 , 86, 1441-51	4.1	30
87	Electrochemical performance of a novel ionic liquid derived mesoporous carbon. <i>Chemical Communications</i> , 2012 , 48, 2776-8	5.8	26
86	A nano-fibrillated mesoporous carbon as an effective support for palladium nanoparticles in the aerobic oxidation of alcohols "on pure water". <i>Chemistry - A European Journal</i> , 2012 , 18, 8634-40	4.8	50
85	14-3-3 protects against stress-induced apoptosis. <i>Cell Death and Disease</i> , 2012 , 3, e348	9.8	47
84	Schizophrenia-like features in transgenic mice overexpressing human HO-1 in the astrocytic compartment. <i>Journal of Neuroscience</i> , 2012 , 32, 10841-53	6.6	49
83	Irreversible changes in protein conformation due to interaction with superparamagnetic iron oxide nanoparticles. <i>Nanoscale</i> , 2011 , 3, 1127-38	7.7	95
82	The HtrA/DegP family protease MamE is a bifunctional protein with roles in magnetosome protein localization and magnetite biomineralization. <i>Molecular Microbiology</i> , 2011 , 80, 1075-87	4.1	64
81	Reaction-diffusion model of nutrient uptake in a biofilm: theory and experiment. <i>Journal of Theoretical Biology</i> , 2011 , 289, 90-5	2.3	23
80	Effect of rhamnolipid biosurfactants on performance of coal and mineral flotation. <i>International Biodeterioration and Biodegradation</i> , 2011 , 65, 1238-1243	4.8	26
79	Influence of calcinated and non calcinated nanobioglass particles on hardness and bioactivity of sol-gel-derived TiO ₂ -SiO ₂ nano composite coatings on stainless steel substrates. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 829-38	4.5	9
78	Effects of Grain Size and Texture on the Biocompatibility of Commercially Pure Titanium. <i>Materials Science Forum</i> , 2011 , 702-703, 822-825	0.4	3
77	Desulfovibrio magneticus RS-1 contains an iron- and phosphorus-rich organelle distinct from its bullet-shaped magnetosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 12263-8	11.5	66
76	Comprehensive genetic dissection of the magnetosome gene island reveals the step-wise assembly of a prokaryotic organelle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 5593-8	11.5	248
75	Enhanced phenol degradation by Pseudomonas sp. SA01: gaining insight into the novel single and hybrid immobilizations. <i>Journal of Hazardous Materials</i> , 2010 , 175, 284-92	12.8	68
74	The response of fibrinogen, platelets, endothelial and smooth muscle cells to an electrochemically modified SS316LS surface: towards the enhanced biocompatibility of coronary stents. <i>Acta Biomaterialia</i> , 2010 , 6, 695-701	10.8	29
73	Structural characterization of a rhamnolipid-type biosurfactant produced by Pseudomonas aeruginosa MR01: enhancement of di-rhamnolipid proportion using gamma irradiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 81, 397-405	6	78
72	Modulation of calcium oxalate dihydrate growth by selective crystal-face binding of phosphorylated osteopontin and polyaspartate peptide showing occlusion by sectoral (compositional) zoning. <i>Journal of Biological Chemistry</i> , 2009 , 284, 23491-501	5.4	53
71	Cytotoxicity and Cell Cycle Effects of Bare and Poly(vinyl alcohol)-Coated Iron Oxide Nanoparticles in Mouse Fibroblasts. <i>Advanced Engineering Materials</i> , 2009 , 11, B243-B250	3.5	47

70	Titanium crystal orientation as a tool for the improved and regulated cell attachment. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 91, 656-62	5.4	16
69	Proteomics analysis of liver pathological calcification suggests a role for the IQ motif containing GTPase activating protein 1 in myofibroblast function. <i>Proteomics - Clinical Applications</i> , 2009 , 3, 307-21	3.1	1
68	HO-1-mediated macroautophagy: a mechanism for unregulated iron deposition in aging and degenerating neural tissues. <i>Journal of Neurochemistry</i> , 2009 , 109, 776-91	6	79
67	Anchorage of vinculin to lipid membranes influences cell mechanical properties. <i>Biophysical Journal</i> , 2009 , 97, 3105-12	2.9	36
66	Multiphysics Flow Modeling and in Vitro Toxicity of Iron Oxide Nanoparticles Coated with Poly(vinyl alcohol). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2322-2331	3.8	80
65	An Appalachian Amazon? Magnetofossil evidence for the development of a tropical river-like system in the mid-Atlantic United States during the Paleocene-Eocene thermal maximum. <i>Paleoceanography</i> , 2009 , 24,		69
64	The positive influence of electrochemical cyclic potentiodynamic passivation (CPP) of a SS316LS surface on its response to fibronectin and pre-osteoblasts. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 6218-24	3.6	16
63	Eutectic nucleation in hypoeutectic Al-Si alloys. <i>Materials Characterization</i> , 2008 , 59, 1466-1473	3.9	37
62	Intracellular precipitation of hydroxyapatite mineral and implications for pathologic calcification. <i>Journal of Structural Biology</i> , 2008 , 162, 468-79	3.4	51
61	Paleointensity of the ancient Martian magnetic field. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	48
60	EFFECTS OF CRYSTAL SIZE AND ORIENTATION OF SUBSTRATES ON CELL ADHESION: IMPLICATION FOR MEDICAL IMPLANTS. <i>International Journal of Modern Physics B</i> , 2008 , 22, 3069-3081	1.1	9
59	Gigantism in unique biogenic magnetite at the Paleocene-Eocene Thermal Maximum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17648-53	11.5	56
58	Gold-labeled block copolymer micelles reveal gold aggregates at multiple subcellular sites. <i>Langmuir</i> , 2007 , 23, 4830-6	4	15
57	Magnetofossil spike during the Paleocene-Eocene thermal maximum: Ferromagnetic resonance, rock magnetic, and electron microscopy evidence from Ancora, New Jersey, United States. <i>Paleoceanography</i> , 2007 , 22, n/a-n/a		63
56	Nanostructuring of a Titanium Material by High-Pressure Torsion Improves Pre-Osteoblast Attachment. <i>Advanced Materials</i> , 2007 , 19, 1069-1073	24	106
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