

# Hyunjung Kim

## 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.

130  
papers

3,360  
citations

33  
h-index

50  
g-index

132  
ext. papers

4,032  
ext. citations

5.9  
avg, IF

5.89  
L-index

#	Paper	IF	Citations
130	Intensive Leaching of Red Phosphor Rare Earth Metals from Waste Fluorescent Lamp: Parametric Optimization and Kinetic Studies. <i>Jom</i> , <b>2022</b> , 74, 1054	2.1	1
129	Separation of platinum group metals from model chloride solution using phosphonium-based ionic liquid. <i>Separation and Purification Technology</i> , <b>2022</b> , 278, 119577	8.3	3
128	Biotechnological recycling of hazardous waste PCBs using <i>Sulfobacillus thermosulfidooxidans</i> through pretreatment of toxicant metals: Process optimization and kinetic studies. <i>Chemosphere</i> , <b>2022</b> , 286, 131978	8.4	13
127	A study of nanofluid stability in low salinity water to enhance oil recovery: An extended physicochemical approach. <i>Journal of Petroleum Science and Engineering</i> , <b>2022</b> , 110608	4.4	0
126	Prediction of grade and recovery in flotation from physicochemical and operational aspects using machine learning models. <i>Minerals Engineering</i> , <b>2022</b> , 183, 107627	4.9	1
125	Chemical Kinetics of Nanoparticles in the Emulsion State during Phase-Transfer Synthesis. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 26157-26166	3.8	
124	Mobilisation of hazardous elements from arsenic-rich mine drainage ochres by three <i>Aspergillus</i> species. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 409, 124938	12.8	3
123	Gold recovery from secondary waste of PCBs by electro-Cl <sub>2</sub> leaching in brine solution and solvo-chemical separation with tri-butyl phosphate. <i>Journal of Cleaner Production</i> , <b>2021</b> , 295, 126389	10.3	14
122	Roles of solution chemistry and reagent-reagent interaction on carboxymethylcellulose adsorption onto graphite and implications on its floatability. <i>Minerals Engineering</i> , <b>2021</b> , 167, 106873	4.9	2
121	Cleaner production of rare earth elements from phosphorus-bearing sulfuric acid solution of vein deposit monazite. <i>Journal of Cleaner Production</i> , <b>2021</b> , 278, 123435	10.3	14
120	Extraction equilibria of cerium(IV) with Cyanex 923 followed by precipitation kinetics of cerium(III) oxalate from sulfate solution. <i>Separation and Purification Technology</i> , <b>2021</b> , 254, 117634	8.3	15
119	Hydrometallurgical Recycling of Rare Earth Metal Cerium from Bio-processed Residual Waste of Exhausted Automobile Catalysts. <i>Jom</i> , <b>2021</b> , 73, 19-26	2.1	10
118	Colloid Interaction Energies for Surfaces with Steric Effects and Incompressible and/or Compressible Roughness. <i>Langmuir</i> , <b>2021</b> , 37, 1501-1510	4	5
117	Circular bioeconomy and environmental benignness through microbial recycling of e-waste: A case study on copper and gold restoration. <i>Waste Management</i> , <b>2021</b> , 121, 175-185	8.6	25
116	O-enriched microbial activity with pH-sensitive solvo-chemical and electro-chlorination strategy to reclaim critical metals from the hazardous waste printed circuit boards. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125769	12.8	15
115	Bioleaching of Manganese Oxides at Different Oxidation States by Filamentous Fungus. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2021</b> , 7,	5.6	1
114	Bioleaching for the Removal of Arsenic from Mine Tailings by Psychrotolerant and Mesophilic Microbes at Markedly Continental Climate Temperatures. <i>Minerals (Basel, Switzerland)</i> , <b>2020</b> , 10, 972	2.4	2

113	Assessment of Strain Suitability for Arsenate-Contaminated Water Treatment and Adsorbent Recycling via Bioextraction in a Laboratory-Scale Experiment. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	1
112	Biotechnological recycling of critical metals from waste printed circuit boards. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 2796-2810	3.5	27
111	Shape and orientation of bare silica particles influence their deposition under intermediate ionic strength: A study with QCMD and DLVO theory. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 599, 124921	5.1	11
110	Particle-bubble interaction energies for particles with physical and chemical heterogeneities. <i>Minerals Engineering</i> , <b>2020</b> , 155, 106472	4.9	16
109	Cationic collector conformations on an oxide mineral interface: Roles of pH, ionic strength, and ion valence. <i>Minerals Engineering</i> , <b>2020</b> , 150, 106277	4.9	9
108	Inorganic nanofiber as a promising sorbent for lithium recovery. <i>Separation and Purification Technology</i> , <b>2020</b> , 242, 116757	8.3	8
107	Intensified bioleaching of chalcopyrite concentrate using adapted mesophilic culture in continuous stirred tank reactors. <i>Bioresource Technology</i> , <b>2020</b> , 307, 123181	11	19
106	Leaching of exhausted LNCM cathode batteries in ascorbic acid lixiviant: a green recycling approach, reaction kinetics and process mechanism. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 2286-2294	3.5	23
105	Bubble-particle interactions with hydrodynamics, XDLVO theory, and surface roughness for flotation in an agitated tank using CFD simulations. <i>Minerals Engineering</i> , <b>2020</b> , 152, 106368	4.9	13
104	Hydrometallurgical recycling of palladium and platinum from exhausted diesel oxidation catalysts. <i>Separation and Purification Technology</i> , <b>2020</b> , 248, 117029	8.3	25
103	Transport behaviors of plastic particles in saturated quartz sand without and with biochar/FeO-biochar amendment. <i>Water Research</i> , <b>2020</b> , 169, 115284	12.5	49
102	Liquid-Liquid Extraction and Reductive Stripping of Chromium to Valorize Industrial Effluent. <i>Jom</i> , <b>2020</b> , 72, 839-846	2.1	18
101	Decreases Bioavailability of Arsenic(V) via Biotransformation of Manganese Oxide into Biogenic Oxalate Minerals. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2020</b> , 6,	5.6	1
100	Biodegradation mechanism of arsenopyrite mine tailing with <i>Acidithiobacillus ferrooxidans</i> and influence of ferric supplements. <i>International Biodeterioration and Biodegradation</i> , <b>2020</b> , 153, 105042	4.8	2
99	Transport of citrate-coated silver nanoparticles in saturated porous media. <i>Environmental Geochemistry and Health</i> , <b>2020</b> , 42, 1753-1766	4.7	3
98	Electrospun hydrogen manganese oxide nanofibers as effective adsorbents for Li <sup>+</sup> recovery from seawater. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 81, 115-123	6.3	16
97	Extraction of nickel and cobalt from a laterite ore using the carbothermic reduction roasting-ammoniacal leaching process. <i>Separation and Purification Technology</i> , <b>2020</b> , 232, 115971	8.3	30
96	Interaction energies for hollow and solid cylinders: Role of aspect ratio and particle orientation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 580, 123781	5.1	11

95	The role of cupric ions in the oxidative dissolution process of marmatite: A dependence on Cu concentration. <i>Science of the Total Environment</i> , <b>2019</b> , 675, 213-223	10.2	28
94	Continuous bioleaching of arsenopyrite from mine tailings using an adapted mesophilic microbial culture. <i>Hydrometallurgy</i> , <b>2019</b> , 187, 187-194	4	16
93	Influence of physicochemical surface properties on the adhesion of bacteria onto four types of plastics. <i>Science of the Total Environment</i> , <b>2019</b> , 671, 1101-1107	10.2	38
92	The dissolution and passivation mechanism of chalcopyrite in bioleaching: An overview. <i>Minerals Engineering</i> , <b>2019</b> , 136, 140-154	4.9	81
91	Malachite flotation using carbon black nanoparticles as collectors: Negative impact of suspended nanoparticle aggregates. <i>Minerals Engineering</i> , <b>2019</b> , 137, 19-26	4.9	13
90	Cotransport and Deposition of Iron Oxides with Different-Sized Plastic Particles in Saturated Quartz Sand. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 3547-3557	10.3	53
89	Fungal bioextraction of iron from kaolin. <i>Chemical Papers</i> , <b>2019</b> , 73, 3025-3029	1.9	4
88	Flotation separation of quartz from apatite and surface forces in bubble-particle interactions: Role of pH and cationic amine collector contents. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 70, 107-115	6.3	21
87	Effects of inorganic ions and natural organic matter on the aggregation of nanoplastics. <i>Chemosphere</i> , <b>2018</b> , 197, 142-151	8.4	106
86	Synthesis and characterization of orthorhombic-MoO <sub>3</sub> nanofibers with controlled morphology and diameter. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 62, 231-238	6.3	11
85	Comparison of Types and Amounts of Nanoscale Heterogeneity on Bacteria Retention. <i>Frontiers in Environmental Science</i> , <b>2018</b> , 6,	4.8	16
84	Bioleaching of arsenopyrite from Janggun mine tailings (South Korea) using an adapted mixed mesophilic culture. <i>Hydrometallurgy</i> , <b>2018</b> , 181, 21-28	4	15
83	Chalcopyrite Bioleaching Using Adapted Mesophilic Microorganisms: Effects of Temperature, Pulp Density, and Initial Ferrous Concentrations. <i>Materials Transactions</i> , <b>2018</b> , 59, 1860-1866	1.3	7
82	Application of Depletion Attraction in Mineral Flotation: I. Theory. <i>Minerals (Basel, Switzerland)</i> , <b>2018</b> , 8, 451	2.4	8
81	Application of Depletion Attraction in Mineral Flotation: II. Effects of Depletant Concentration. <i>Minerals (Basel, Switzerland)</i> , <b>2018</b> , 8, 450	2.4	9
80	Influence of Nano- and Microplastic Particles on the Transport and Deposition Behaviors of Bacteria in Quartz Sand. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 11555-11563	10.3	21
79	Analysis of stability behavior of carbon black nanoparticles in ecotoxicological media: Hydrophobic and steric effects. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 554, 306-316	5.1	27
78	Different electrically charged proteins result in diverse bacterial transport behaviors in porous media. <i>Water Research</i> , <b>2018</b> , 143, 425-435	12.5	24

77	Processable high internal phase Pickering emulsions using depletion attraction. <i>Nature Communications</i> , <b>2017</b> , 8, 14305	17.4	97
76	Stability of carboxyl-functionalized carbon black nanoparticles: the role of solution chemistry and humic acid. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 800-810	7.1	31
75	Influence of Bisphenol A on the transport and deposition behaviors of bacteria in quartz sand. <i>Water Research</i> , <b>2017</b> , 121, 1-10	12.5	26
74	Influence of graphene oxide on the transport and deposition behaviors of colloids in saturated porous media. <i>Environmental Pollution</i> , <b>2017</b> , 225, 141-149	9.3	39
73	Relationship between Surface Characteristics and Floatability in Representative Sulfide Minerals: Role of Surface Oxidation. <i>Materials Transactions</i> , <b>2017</b> , 58, 1069-1075	1.3	10
72	Contributions of Nanoscale Roughness to Anomalous Colloid Retention and Stability Behavior. <i>Langmuir</i> , <b>2017</b> , 33, 10094-10105	4	71
71	Analysis of the effects of natural organic matter in zinc beneficiation. <i>Journal of Cleaner Production</i> , <b>2017</b> , 168, 814-822	10.3	15
70	Impact of total organic carbon and specific surface area on the adsorption capacity in Horn River shale. <i>Journal of Petroleum Science and Engineering</i> , <b>2017</b> , 149, 331-339	4.4	33
69	Feasibility of bench-scale selective bioflotation of copper oxide minerals using <i>Rhodococcus opacus</i> . <i>Hydrometallurgy</i> , <b>2017</b> , 168, 94-102	4	25
68	Pore Structure Characterization of Shale Using Gas Physisorption: Effect of Chemical Compositions. <i>Minerals (Basel, Switzerland)</i> , <b>2017</b> , 7, 66	2.4	15
67	Flotation behaviour of malachite in mono- and di-valent salt solutions using sodium oleate as a collector. <i>International Journal of Mineral Processing</i> , <b>2016</b> , 146, 38-45		62
66	Influence of Perfluorooctanoic Acid on the Transport and Deposition Behaviors of Bacteria in Quartz Sand. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 2381-8	10.3	26
65	Transport, retention, and long-term release behavior of ZnO nanoparticle aggregates in saturated quartz sand: Role of solution pH and biofilm coating. <i>Water Research</i> , <b>2016</b> , 90, 247-257	12.5	58
64	Adaptation of a mixed culture of acidophiles for a tank biooxidation of refractory gold concentrates containing a high concentration of arsenic. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 121, 536-42	3.3	31
63	Arsenic removal from contaminated soils for recycling via oil agglomerate flotation. <i>Chemical Engineering Journal</i> , <b>2016</b> , 285, 207-217	14.7	25
62	Selective Removal of Arsenic Compounds from the Contaminated Paddy Soil in China Using Froth Flotation Technique. <i>Daehan Hwanlgyeong Gonghag Hoeji</i> , <b>2016</b> , 38, 343-352	0.6	
61	Experiences and Future Challenges of Bioleaching Research in South Korea. <i>Minerals (Basel, Switzerland)</i> , <b>2016</b> , 6, 128	2.4	28
60	Influence of excess sulfide ions on the malachite-bubble interaction in the presence of thiol-collector. <i>Separation and Purification Technology</i> , <b>2016</b> , 168, 1-7	8.3	51

59	Effect of bacteria on the transport and deposition of multi-walled carbon nanotubes in saturated porous media. <i>Environmental Pollution</i> , <b>2016</b> , 213, 895-903	9.3	17
58	Transport of carboxyl-functionalized carbon black nanoparticles in saturated porous media: Column experiments and model analyses. <i>Journal of Contaminant Hydrology</i> , <b>2015</b> , 177-178, 194-205	3.9	13
57	Influence of gravity on transport and retention of representative engineered nanoparticles in quartz sand. <i>Journal of Contaminant Hydrology</i> , <b>2015</b> , 181, 153-60	3.9	17
56	Bioflotation of malachite using different growth phases of <i>Rhodococcus opacus</i> : Effect of bacterial shape on detachment by shear flow. <i>International Journal of Mineral Processing</i> , <b>2015</b> , 143, 98-104		34
55	Bioleaching of arsenic from highly contaminated mine tailings using <i>Acidithiobacillus thiooxidans</i> . <i>Journal of Environmental Management</i> , <b>2015</b> , 147, 124-31	7.9	39
54	Porous Ca-based bead sorbents for simultaneous removal of SO <sub>2</sub> fine particulate matters, and heavy metals from pilot plant sewage sludge incineration. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 283, 44-52	12.8	26
53	Amine-impregnated millimeter-sized spherical silica foams with hierarchical mesoporous/hacroporous structure for CO <sub>2</sub> capture. <i>Chemical Engineering Journal</i> , <b>2015</b> , 259, 653-662	14.7	69
52	Flotation Behavior of Arsenopyrite and Pyrite, and Their Selective Separation. <i>Materials Transactions</i> , <b>2015</b> , 56, 435-440	1.3	15
51	Bacterial Inactivation by Ultrasonic Waves: Role of Ionic Strength, Humic Acid, and Temperature. <i>Water, Air, and Soil Pollution</i> , <b>2015</b> , 226, 1	2.6	4
50	Removal of Cadmium and Lead from Aqueous Solution by Hydroxyapatite/Chitosan Hybrid Fibrous Sorbent: Kinetics and Equilibrium Studies. <i>Journal of Chemistry</i> , <b>2015</b> , 2015, 1-12	2.3	26
49	Influence of bacterial adhesion on copper extraction from printed circuit boards. <i>Separation and Purification Technology</i> , <b>2015</b> , 143, 169-176	8.3	32
48	Column Bioleaching of Arsenic from Mine Tailings Using a Mixed Acidophilic Culture: A Technical Feasibility Assessment. <i>Journal of the Korean Institute of Resources Recycling</i> , <b>2015</b> , 24, 69-77	0.3	7
47	Influence of sulfate and phosphate on the deposition of plasmid DNA on silica and alumina-coated surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 118, 83-9	6	3
46	Aggregation and dissolution of ZnO nanoparticles synthesized by different methods: Influence of ionic strength and humic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 451, 7-15	5.1	72
45	Influence of clay particles on the transport and retention of titanium dioxide nanoparticles in quartz sand. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 7323-32	10.3	93
44	Surface charge regulation of carboxyl terminated polystyrene latex particles and their interactions at the oil/water interface. <i>Langmuir</i> , <b>2014</b> , 30, 12164-70	4	8
43	Cotransport of multi-walled carbon nanotubes and titanium dioxide nanoparticles in saturated porous media. <i>Environmental Pollution</i> , <b>2014</b> , 195, 31-8	9.3	35
42	Bioleaching of highly concentrated arsenic mine tailings by <i>Acidithiobacillus ferrooxidans</i> . <i>Separation and Purification Technology</i> , <b>2014</b> , 133, 291-296	8.3	56

41	Transport and retention behaviors of titanium dioxide nanoparticles in iron oxide-coated quartz sand: Effects of pH, ionic strength, and humic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 454, 119-127	5.1	60
40	Synthesis and characterization of high-surface-area millimeter-sized silica beads with hierarchical multi-modal pore structure by the addition of agar. <i>Materials Characterization</i> , <b>2014</b> , 90, 31-39	3.9	18
39	Synthesis and Characterization of Mesoporous Silica from Anorthite-Clay Mineral: Role of Mechanical Activation. <i>Materials Transactions</i> , <b>2014</b> , 55, 1895-1899	1.3	4
38	Role of Chain Length and Type on the Adsorption Behavior of Cationic Surfactants and the Silica Floatability. <i>Materials Transactions</i> , <b>2014</b> , 55, 1344-1349	1.3	8
37	Modeling microorganism transport and survival in the subsurface. <i>Journal of Environmental Quality</i> , <b>2014</b> , 43, 421-40	3.4	62
36	Influence of silicate on the transport of bacteria in quartz sand and iron mineral-coated sand. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 123, 995-1002	6	22
35	Pore Characteristics and Hydrothermal Stability of Mesoporous Silica: Role of Oleic Acid. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-8	3.2	11
34	Mobility of Carbon Nanomaterials in Soil Media. <i>Daehan Hwanlgyeong Gonghag Hoeji</i> , <b>2014</b> , 36, 588-595	0.6	
33	Initial transport and retention behaviors of ZnO nanoparticles in quartz sand porous media coated with Escherichia coli biofilm. <i>Environmental Pollution</i> , <b>2013</b> , 174, 38-49	9.3	56
32	Effect of carbon nanotubes on the transport and retention of bacteria in saturated porous media. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 11537-44	10.3	26
31	Influence of sulfate on the transport of bacteria in quartz sand. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 110, 443-9	6	12
30	Control of pore and window size of ceramic foams with tri-modal pore structure: Influence of agar concentration. <i>Materials Letters</i> , <b>2013</b> , 110, 256-259	3.3	13
29	Cotransport of titanium dioxide and fullerene nanoparticles in saturated porous media. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 5703-10	10.3	62
28	Influence of nutrient conditions on the transport of bacteria in saturated porous media. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 102, 752-8	6	29
27	Arsenic Removal from Mine Tailings for Recycling via Flotation. <i>Materials Transactions</i> , <b>2013</b> , 54, 2291-2296	0.6	16
26	Characterization of stone powder sludge foams and their application to wastewater treatment: Role of pore connectivity. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 134, 26-30	4.4	9
25	Millimeter-sized spherical ion-sieve foams with hierarchical pore structure for recovery of lithium from seawater. <i>Chemical Engineering Journal</i> , <b>2012</b> , 210, 482-489	14.7	98
24	Influence of bentonite particles on representative gram negative and gram positive bacterial deposition in porous media. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 11627-34	10.3	43

23	Modeling colloid and microorganism transport and release with transients in solution ionic strength. <i>Water Resources Research</i> , <b>2012</b> , 48,	5-4	65
22	Influence of Ti doping level on hydrogen adsorption of mesoporous Ti-SBA-15 materials prepared by direct synthesis. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 14240-14247	6-7	39
21	Influence of natural organic matter on the transport and deposition of zinc oxide nanoparticles in saturated porous media. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 386, 34-43	9-3	57
20	Causes and implications of colloid and microorganism retention hysteresis. <i>Journal of Contaminant Hydrology</i> , <b>2012</b> , 138-139, 83-92	3-9	19
19	Transport and deposition of ZnO nanoparticles in saturated porous media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2012</b> , 401, 29-37	5-1	97
18	Influence of humic acid on the transport behavior of bacteria in quartz sand. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 91, 122-9	6	60
17	Deposition kinetics of MS2 bacteriophages on clay mineral surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 92, 340-7	6	26
16	Relationship between Synthesis Conditions and Photocatalytic Activity of Nanocrystalline TiO <sub>2</sub> . <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-10	3-2	21
15	Surface Modification of Calcium Carbonate with Cationic Polymer and Their Dispersibility. <i>Materials Transactions</i> , <b>2012</b> , 53, 2195-2199	1-3	10
14	Electrostatically Controlled Enrichment of Lepidolite via Flotation. <i>Materials Transactions</i> , <b>2012</b> , 53, 2191-2194	2-3	23
13	TiO <sub>2</sub> -Coated Silica Foams by In-Situ Sol-Gel Reaction. <i>Materials Transactions</i> , <b>2011</b> , 52, 2245-2249	1-3	3
12	Preparation of Sizable and Uniform-Sized Spherical Ceramic Foams: Drop-in-Oil and Agar Gelation. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 2742-2745	3-8	16
11	Fabrication and characterization of macroporous flyash ceramic pellets. <i>Materials Characterization</i> , <b>2011</b> , 62, 817-824	3-9	16
10	Influence of natural organic matter on the deposition kinetics of extracellular polymeric substances (EPS) on silica. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 87, 151-8	6	26
9	Influence of solution chemistry on the deposition and detachment kinetics of RNA on silica surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 82, 443-9	6	12
8	Transport and retention of fullerene nanoparticles in natural soils. <i>Journal of Environmental Quality</i> , <b>2010</b> , 39, 1925-33	3-4	61
7	Implications of cation exchange on clay release and colloid-facilitated transport in porous media. <i>Journal of Environmental Quality</i> , <b>2010</b> , 39, 2040-6	3-4	48
6	Pore characteristics of Ca(OH) <sub>2</sub> foams: Impact of surfactant-mineral interaction. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 124, 510-515	4-4	6



5	Evaluation of permeable pore sizes of macroporous materials using a modified gas permeation method. <i>Materials Characterization</i> , <b>2009</b> , 60, 14-20	3.9	13
4	Control of pore size in ceramic foams: Influence of surfactant concentration. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 113, 441-444	4.4	57
3	Preparation of dip-coated TiO <sub>2</sub> photocatalyst on ceramic foam pellets. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 6150-6153	4.3	17
2	Perspectives on the concepts of futuristic mineral concentration using microscopic robots. <i>Geosystem Engineering</i> , 1-7	1.2	0
1	Mobilization of platinum and palladium from exhausted catalytic converters using bio-cyanide and ionic-liquid as mass transport carriers. <i>Green Chemistry</i> ,	10	6