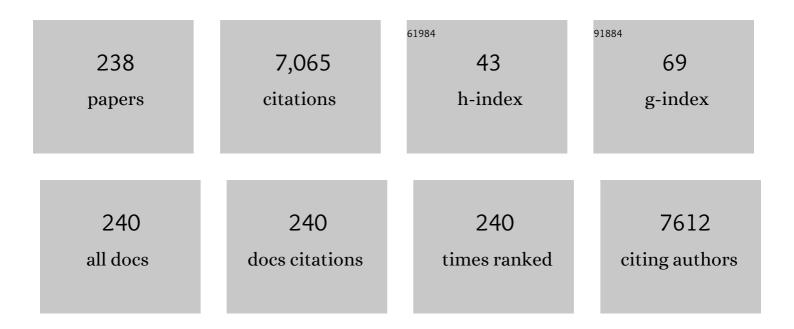
## Hyunjung Kim

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Disinfection technology and strategies for COVID-19 hospital and bio-medical waste management. Science of the Total Environment, 2020, 749, 141652.	8.0	278
2	Effects of inorganic ions and natural organic matter on the aggregation of nanoplastics. Chemosphere, 2018, 197, 142-151.	8.2	174
3	Importance of Solubilizing Group and Backbone Planarity in Low Band Gap Polymers for High Performance Ambipolar field-effect Transistors. Chemistry of Materials, 2012, 24, 1316-1323.	6.7	168
4	Structure of pentacene thin films. Applied Physics Letters, 2004, 85, 4926-4928.	3.3	163
5	Surface Dynamics of Polymer Films. Physical Review Letters, 2003, 90, 068302.	7.8	157
6	Transport behaviors of plastic particles in saturated quartz sand without and with biochar/Fe3O4-biochar amendment. Water Research, 2020, 169, 115284.	11.3	137
7	Processable high internal phase Pickering emulsions using depletion attraction. Nature Communications, 2017, 8, 14305.	12.8	127
8	The dissolution and passivation mechanism of chalcopyrite in bioleaching: An overview. Minerals Engineering, 2019, 136, 140-154.	4.3	124
9	Millimeter-sized spherical ion-sieve foams with hierarchical pore structure for recovery of lithium from seawater. Chemical Engineering Journal, 2012, 210, 482-489.	12.7	119
10	Influence of Clay Particles on the Transport and Retention of Titanium Dioxide Nanoparticles in Quartz Sand. Environmental Science & Technology, 2014, 48, 7323-7332.	10.0	112
11	Transport and deposition of ZnO nanoparticles in saturated porous media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 401, 29-37.	4.7	109
12	Cotransport and Deposition of Iron Oxides with Different-Sized Plastic Particles in Saturated Quartz Sand. Environmental Science & Technology, 2019, 53, 3547-3557.	10.0	95
13	Contributions of Nanoscale Roughness to Anomalous Colloid Retention and Stability Behavior. Langmuir, 2017, 33, 10094-10105.	3.5	94
14	Amine-impregnated millimeter-sized spherical silica foams with hierarchical mesoporous–macroporous structure for CO2 capture. Chemical Engineering Journal, 2015, 259, 653-662.	12.7	91
15	Aggregation and dissolution of ZnO nanoparticles synthesized by different methods: Influence of ionic strength and humic acid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 451, 7-15.	4.7	85
16	Influence of physicochemical surface properties on the adhesion of bacteria onto four types of plastics. Science of the Total Environment, 2019, 671, 1101-1107.	8.0	85
17	Influence of humic acid on the transport behavior of bacteria in quartz sand. Colloids and Surfaces B: Biointerfaces, 2012, 91, 122-129.	5.0	78
18	Cotransport of Titanium Dioxide and Fullerene Nanoparticles in Saturated Porous Media. Environmental Science & Technology, 2013, 47, 5703-5710.	10.0	78

#	Article	IF	CITATIONS
19	Transport and retention behaviors of titanium dioxide nanoparticles in iron oxide-coated quartz sand: Effects of pH, ionic strength, and humic acid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 454, 119-127.	4.7	76
20	Flotation behaviour of malachite in mono- and di-valent salt solutions using sodium oleate as a collector. International Journal of Mineral Processing, 2016, 146, 38-45.	2.6	74
21	Modeling colloid and microorganism transport and release with transients in solution ionic strength. Water Resources Research, 2012, 48, .	4.2	73
22	Influence of natural organic matter on the transport and deposition of zinc oxide nanoparticles in saturated porous media. Journal of Colloid and Interface Science, 2012, 386, 34-43.	9.4	72
23	Transport, retention, and long-term release behavior of ZnO nanoparticle aggregates in saturated quartz sand: Role of solution pH and biofilm coating. Water Research, 2016, 90, 247-257.	11.3	72
24	Observation of thickness quantization in liquid films confined to molecular dimension. Europhysics Letters, 2002, 60, 376-382.	2.0	71
25	Evidence for Viscoelastic Effects in Surface Capillary Waves of Molten Polymer Films. Physical Review Letters, 2007, 98, 227801.	7.8	71
26	Modeling Microorganism Transport and Survival in the Subsurface. Journal of Environmental Quality, 2014, 43, 421-440.	2.0	71
27	Occurrence of microplastic particles in the most popular Iranian bottled mineral water brands and an assessment of human exposure. Journal of Water Process Engineering, 2021, 39, 101708.	5.6	71
28	Core–shell strain structure of zeolite microcrystals. Nature Materials, 2013, 12, 729-734.	27.5	68
29	Control of pore size in ceramic foams: Influence of surfactant concentration. Materials Chemistry and Physics, 2009, 113, 441-444.	4.0	67
30	Bactericidal mechanisms of Ag2O/TNBs under both dark and light conditions. Water Research, 2013, 47, 1837-1847.	11.3	67
31	Transport and Retention of Fullerene Nanoparticles in Natural Soils. Journal of Environmental Quality, 2010, 39, 1925-1933.	2.0	65
32	Bioleaching of highly concentrated arsenic mine tailings by Acidithiobacillus ferrooxidans. Separation and Purification Technology, 2014, 133, 291-296.	7.9	64
33	Influence of excess sulfide ions on the malachite-bubble interaction in the presence of thiol-collector. Separation and Purification Technology, 2016, 168, 1-7.	7.9	64
34	Initial transport and retention behaviors of ZnO nanoparticles in quartz sand porous media coated with Escherichia coli biofilm. Environmental Pollution, 2013, 174, 38-49.	7.5	63
35	Implications of Cation Exchange on Clay Release and Colloidâ€Facilitated Transport in Porous Media. Journal of Environmental Quality, 2010, 39, 2040-2046.	2.0	60
36	Active site localization of methane oxidation on Pt nanocrystals. Nature Communications, 2018, 9, 3422.	12.8	58

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37	Influence of graphene oxide on the transport and deposition behaviors of colloids in saturated porous media. Environmental Pollution, 2017, 225, 141-149.	7.5	56
38	Nanoscopic Management of Molecular Packing and Orientation of Small Molecules by a Combination of Linear and Branched Alkyl Side Chains. ACS Nano, 2014, 8, 5988-6003.	14.6	52
39	Enhancement of charge transport properties of small molecule semiconductors by controlling fluorine substitution and effects on photovoltaic properties of organic solar cells and perovskite solar cells. Chemical Science, 2016, 7, 6649-6661.	7.4	52
40	Influence of Bentonite Particles on Representative Gram Negative and Gram Positive Bacterial Deposition in Porous Media. Environmental Science & Technology, 2012, 46, 11627-11634.	10.0	51
41	Bioleaching of arsenic from highly contaminated mine tailings using Acidithiobacillus thiooxidans. Journal of Environmental Management, 2015, 147, 124-131.	7.8	50
42	Bioflotation of malachite using different growth phases of Rhodococcus opacus: Effect of bacterial shape on detachment by shear flow. International Journal of Mineral Processing, 2015, 143, 98-104.	2.6	47
43	Circular bioeconomy and environmental benignness through microbial recycling of e-waste: A case study on copper and gold restoration. Waste Management, 2021, 121, 175-185.	7.4	46
44	Experiences and Future Challenges of Bioleaching Research in South Korea. Minerals (Basel,) Tj ETQq0 0 0 rgBT /0	Overlock 1 2.0	0 <u>T</u> £ 50 462
45	Multiphonon Raman and infrared spectra of isotopically controlled diamond. Physical Review B, 1998, 58, 5408-5416.	3.2	44
46	Leaching of exhausted <scp>LNCM</scp> cathode batteries in ascorbic acid lixiviant: a green recycling approach, reaction kinetics and process mechanism. Journal of Chemical Technology and Biotechnology, 2020, 95, 2286-2294.	3.2	44
47	Adaptation of a mixed culture of acidophiles for a tank biooxidation of refractory gold concentrates containing a high concentration of arsenic. Journal of Bioscience and Bioengineering, 2016, 121, 536-542.	2.2	43
48	Influence of Ti doping level on hydrogen adsorption of mesoporous Ti-SBA-15 materials prepared by direct synthesis. International Journal of Hydrogen Energy, 2012, 37, 14240-14247.	7.1	42
49	Cotransport of multi-walled carbon nanotubes and titanium dioxide nanoparticles in saturated porous media. Environmental Pollution, 2014, 195, 31-38.	7.5	42
50	Stability of carboxyl-functionalized carbon black nanoparticles: the role of solution chemistry and humic acid. Environmental Science: Nano, 2017, 4, 800-810.	4.3	42
51	Biotechnological recycling of critical metals from waste printed circuit boards. Journal of Chemical Technology and Biotechnology, 2020, 95, 2796-2810.	3.2	42
52	Demonstration of Feasibility of X-Ray Free Electron Laser Studies of Dynamics of Nanoparticles in Entangled Polymer Melts. Scientific Reports, 2014, 4, 6017.	3.3	41
53	The role of cupric ions in the oxidative dissolution process of marmatite: A dependence on Cu2+ concentration. Science of the Total Environment, 2019, 675, 213-223.	8.0	40

54 Oxidation induced strain and defects in magnetite crystals. Nature Communications, 2019, 10, 703. 12.8

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55	Porous Ca-based bead sorbents for simultaneous removal of SO2, fine particulate matters, and heavy metals from pilot plant sewage sludge incineration. Journal of Hazardous Materials, 2015, 283, 44-52.	12.4	39
56	Analysis of stability behavior of carbon black nanoparticles in ecotoxicological media: Hydrophobic and steric effects. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 554, 306-316.	4.7	38
57	Flotation separation of quartz from apatite and surface forces in bubble–particle interactions: Role of pH and cationic amine collector contents. Journal of Industrial and Engineering Chemistry, 2019, 70, 107-115.	5.8	38
58	Electronic Raman and infrared spectra of acceptors in isotopically controlled diamonds. Physical Review B, 1998, 57, 15315-15327.	3.2	37
59	Influence of Perfluorooctanoic Acid on the Transport and Deposition Behaviors of Bacteria in Quartz Sand. Environmental Science & Technology, 2016, 50, 2381-2388.	10.0	37
60	Bactericidal activity of Ag-doped multi-walled carbon nanotubes and the effects of extracellular polymeric substances and natural organic matter. Colloids and Surfaces B: Biointerfaces, 2013, 104, 133-139.	5.0	36
61	Influence of nutrient conditions on the transport of bacteria in saturated porous media. Colloids and Surfaces B: Biointerfaces, 2013, 102, 752-758.	5.0	36
62	Alkoxyphenylthiophene Linked Benzodithiophene Based Medium Band Gap Polymers for Organic Photovoltaics: Efficiency Improvement upon Methanol Treatment Depends on the Planarity of Backbone. Macromolecules, 2014, 47, 7060-7069.	4.8	36
63	Viscosity Measurements of Very Thin Polymer Films. Macromolecules, 2005, 38, 5144-5151.	4.8	35
64	Enhancing crystallinity of C60 layer by thickness-control of underneath pentacene layer for high mobility C60/pentacene ambipolar transistors. Applied Physics Letters, 2013, 102, 043306.	3.3	35
65	Removal of Cadmium and Lead from Aqueous Solution by Hydroxyapatite/Chitosan Hybrid Fibrous Sorbent: Kinetics and Equilibrium Studies. Journal of Chemistry, 2015, 2015, 1-12.	1.9	34
66	Influence of bacterial adhesion on copper extraction from printed circuit boards. Separation and Purification Technology, 2015, 143, 169-176.	7.9	34
67	Biotechnological recycling of hazardous waste PCBs using Sulfobacillus thermosulfidooxidans through pretreatment of toxicant metals: Process optimization and kinetic studies. Chemosphere, 2022, 286, 131978.	8.2	34
68	Different electrically charged proteins result in diverse bacterial transport behaviors in porous media. Water Research, 2018, 143, 425-435.	11.3	33
69	Gold recovery from secondary waste of PCBs by electro-Cl2 leaching in brine solution and solvo-chemical separation with tri-butyl phosphate. Journal of Cleaner Production, 2021, 295, 126389.	9.3	33
70	Entanglement Effects in Capillary Waves on Liquid Polymer Films. Physical Review Letters, 2008, 101, 246104.	7.8	32
71	Crystallinity-Controlled Naphthalene- <i>alt</i> -diketopyrrolopyrrole Copolymers for High-Performance Ambipolar Field Effect Transistors. Journal of Physical Chemistry C, 2012, 116, 26204-26213.	3.1	32
72	Deposition kinetics of MS2 bacteriophages on clay mineral surfaces. Colloids and Surfaces B: Biointerfaces, 2012, 92, 340-347.	5.0	32

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#	Article	IF	CITATIONS
73	Effect of Carbon Nanotubes on the Transport and Retention of Bacteria in Saturated Porous Media. Environmental Science & Technology, 2013, 47, 11537-11544.	10.0	32
74	Influence of Bisphenol A on the transport and deposition behaviors of bacteria in quartz sand. Water Research, 2017, 121, 1-10.	11.3	32
75	Influence of Nano- and Microplastic Particles on the Transport and Deposition Behaviors of Bacteria in Quartz Sand. Environmental Science & Technology, 2018, 52, 11555-11563.	10.0	32
76	Intensified bioleaching of chalcopyrite concentrate using adapted mesophilic culture in continuous stirred tank reactors. Bioresource Technology, 2020, 307, 123181.	9.6	32
77	Electrostatically Controlled Enrichment of Lepidolite via Flotation. Materials Transactions, 2012, 53, 2191-2194.	1.2	31
78	High Crystalline Dithienosilole-Cored Small Molecule Semiconductor for Ambipolar Transistor and Nonvolatile Memory. ACS Applied Materials & Interfaces, 2014, 6, 6589-6597.	8.0	31
79	Arsenic removal from contaminated soils for recycling via oil agglomerate flotation. Chemical Engineering Journal, 2016, 285, 207-217.	12.7	31
80	Structure–Property Relationships of Semiconducting Polymers for Flexible and Durable Polymer Field-Effect Transistors. ACS Applied Materials & Interfaces, 2017, 9, 40503-40515.	8.0	31
81	Study of thermal degradation of organic light emitting device structures by X-ray scattering. Thin Solid Films, 2007, 515, 5674-5677.	1.8	30
82	Efficient degradation of tetracycline by RGO@black titanium dioxide nanofluid via enhanced catalysis and photothermal conversion. Science of the Total Environment, 2021, 787, 147536.	8.0	30
83	Influence of natural organic matter on the deposition kinetics of extracellular polymeric substances (EPS) on silica. Colloids and Surfaces B: Biointerfaces, 2011, 87, 151-158.	5.0	29
84	O2-enriched microbial activity with pH-sensitive solvo-chemical and electro-chlorination strategy to reclaim critical metals from the hazardous waste printed circuit boards. Journal of Hazardous Materials, 2021, 416, 125769.	12.4	29
85	Electronic transitions of holes bound to boron acceptors in isotopically controlled diamonds. Solid State Communications, 1997, 102, 861-865.	1.9	28
86	Photoluminescence of short-period GaAs/AlAs superlattices: A hydrostatic pressure and temperature study. Physical Review B, 1998, 58, 7222-7229.	3.2	28
87	Influence of gravity on transport and retention of representative engineered nanoparticles in quartz sand. Journal of Contaminant Hydrology, 2015, 181, 153-160.	3.3	28
88	Electronic Raman and Infrared Spectra of Isotopically Controlled "Blue―Diamonds. Physical Review Letters, 1997, 79, 1706-1709.	7.8	27
89	Electrospun hydrogen manganese oxide nanofibers as effective adsorbents for Li+ recovery from seawater. Journal of Industrial and Engineering Chemistry, 2020, 81, 115-123.	5.8	27
90	High Performance of Low Band Gap Polymer-Based Ambipolar Transistor Using Single-Layer Graphene Electrodes. ACS Applied Materials & Interfaces, 2015, 7, 6002-6012.	8.0	26

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91	Coherent X-ray spectroscopy reveals the persistence of island arrangements during layer-by-layer growth. Nature Physics, 2019, 15, 589-594.	16.7	26
92	Shape and orientation of bare silica particles influence their deposition under intermediate ionic strength: A study with QCM–D and DLVO theory. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 599, 124921.	4.7	26
93	Mobilization of platinum and palladium from exhausted catalytic converters using bio-cyanide and an ionic-liquid as mass transport carriers. Green Chemistry, 2022, 24, 5204-5218.	9.0	26
94	Surface Dynamics of "Dry―Homopolymer Brushes. Macromolecules, 2009, 42, 737-741.	4.8	25
95	Correlation between Crystallinity, Charge Transport, and Electrical Stability in an Ambipolar Polymer Field-Effect Transistor Based on Poly(naphthalene- <i>alt</i> -diketopyrrolopyrrole). Journal of Physical Chemistry C, 2013, 117, 11479-11486.	3.1	25
96	Effect of bacteria on the transport and deposition of multi-walled carbon nanotubes in saturated porous media. Environmental Pollution, 2016, 213, 895-903.	7.5	25
97	Spontaneous Symmetry Breaking of Acceptors in "Blue―Diamonds. Physical Review Letters, 1999, 83, 4140-4143.	7.8	24
98	Influence of silicate on the transport of bacteria in quartz sand and iron mineral-coated sand. Colloids and Surfaces B: Biointerfaces, 2014, 123, 995-1002.	5.0	24
99	Ladder-Type Silsesquioxane Copolymer Gate Dielectrics for High-Performance Organic Transistors and Inverters. Journal of Physical Chemistry C, 2016, 120, 3501-3508.	3.1	24
100	Exploration of crystal strains using coherent x-ray diffraction. New Journal of Physics, 2010, 12, 035022.	2.9	23
101	Relationship between Synthesis Conditions and Photocatalytic Activity of Nanocrystalline TiO <sub>2</sub> . Journal of Nanomaterials, 2012, 2012, 1-10.	2.7	23
102	Polarized Raman spectroscopy of Cu-poor and Zn-rich single-crystal Cu2ZnSnSe4. Applied Physics Letters, 2014, 105, .	3.3	23
103	Bioleaching of arsenopyrite from Janggun mine tailings (South Korea) using an adapted mixed mesophilic culture. Hydrometallurgy, 2018, 181, 21-28.	4.3	23
104	Malachite flotation using carbon black nanoparticles as collectors: Negative impact of suspended nanoparticle aggregates. Minerals Engineering, 2019, 137, 19-26.	4.3	23
105	Liquid–Liquid Extraction and Reductive Stripping of Chromium to Valorize Industrial Effluent. Jom, 2020, 72, 839-846.	1.9	23
106	Host-isotope fine structure of local and gap modes of substitutional impurities in zinc-blende and wurtzite II-VI semiconductors. Physical Review B, 1996, 53, 12878-12883.	3.2	22
107	Causes and implications of colloid and microorganism retention hysteresis. Journal of Contaminant Hydrology, 2012, 138-139, 83-92.	3.3	22
108	Structural and morphological tuning of dithienobenzodithiophene-core small molecules for efficient solution processed organic solar cells. Dyes and Pigments, 2015, 115, 23-34.	3.7	22

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109	Morphology of Amphiphilic Gold/Dendrimer Nanocomposite Monolayers. Langmuir, 2002, 18, 5927-5932.	3.5	21
110	Characteristics of the low electron density surface layer on BaTiO3 thin films. Applied Physics Letters, 2008, 92, .	3.3	21
111	Flotation Behavior of Arsenopyrite and Pyrite, and Their Selective Separation. Materials Transactions, 2015, 56, 435-440.	1.2	21
112	Ultrafast x-ray diffraction study of melt-front dynamics in polycrystalline thin films. Science Advances, 2020, 6, eaax2445.	10.3	21
113	New insights into the flotation responses of brucite and serpentine for different conditioning times: Surface dissolution behavior. International Journal of Minerals, Metallurgy and Materials, 2021, 28, 1898-1907.	4.9	21
114	Surface and interfacial dynamics of polymeric bilayer films. Physical Review E, 2006, 74, 011603.	2.1	20
115	Synthesis and characterization of orthorhombic-MoO3 nanofibers with controlled morphology and diameter. Journal of Industrial and Engineering Chemistry, 2018, 62, 231-238.	5.8	20
116	Defect Dynamics at a Single Pt Nanoparticle during Catalytic Oxidation. Nano Letters, 2019, 19, 5044-5052.	9.1	20
117	Interaction energies for hollow and solid cylinders: Role of aspect ratio and particle orientation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 580, 123781.	4.7	20
118	Colloid Interaction Energies for Surfaces with Steric Effects and Incompressible and/or Compressible Roughness. Langmuir, 2021, 37, 1501-1510.	3.5	20
119	Surface Tension and Surface Roughness of Supported Polystyrene Films. Macromolecules, 2003, 36, 5704-5709.	4.8	19
120	Synthesis and characterization of high-surface-area millimeter-sized silica beads with hierarchical multi-modal pore structure by the addition of agar. Materials Characterization, 2014, 90, 31-39.	4.4	19
121	Design of a hard X-ray beamline and end-station for pump and probe experiments at Pohang Accelerator Laboratory X-ray Free Electron Laser facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 810. 74-79.	1.6	19
122	Hydrometallurgical Recycling of Rare Earth Metal–Cerium from Bio-processed Residual Waste of Exhausted Automobile Catalysts. Jom, 2021, 73, 19-26.	1.9	19
123	Rapid photo aging of commercial conventional and biodegradable plastic bags. Science of the Total Environment, 2022, 822, 153235.	8.0	19
124	Arsenic Removal from Mine Tailings for Recycling via Flotation. Materials Transactions, 2013, 54, 2291-2296.	1.2	18
125	Evaluating the Transport of <i>Bacillus subtilis</i> Spores as a Potential Surrogate for <i>Cryptosporidium parvum</i> Oocysts. Environmental Science & Technology, 2016, 50, 1295-1303.	10.0	18
126	Pore Structure Characterization of Shale Using Gas Physisorption: Effect of Chemical Compositions. Minerals (Basel, Switzerland), 2017, 7, 66.	2.0	18

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127	Chemical depth profile of passive oxide on stainless steel. Applied Physics Letters, 2004, 85, 6427-6429.	3.3	17
128	Preparation of Sizable and Uniformâ€6ized Spherical Ceramic Foams: Dropâ€inâ€Oil and Agar Gelation. Journal of the American Ceramic Society, 2011, 94, 2742-2745.	3.8	17
129	Fabrication and characterization of macroporous flyash ceramic pellets. Materials Characterization, 2011, 62, 817-824.	4.4	17
130	pn-Heterojunction Effects of Perylene Tetracarboxylic Diimide Derivatives on Pentacene Field-Effect Transistor. ACS Applied Materials & Interfaces, 2015, 7, 2025-2031.	8.0	17
131	In Situ Strain Evolution on Pt Nanoparticles during Hydrogen Peroxide Decomposition. Nano Letters, 2020, 20, 8541-8548.	9.1	17
132	Preparation of dip-coated TiO2 photocatalyst on ceramic foam pellets. Journal of Materials Science, 2005, 40, 5295-5298.	3.7	16
133	Interface morphologies and interlayer diffusions in organic light emitting device by x-ray scattering. Applied Physics Letters, 2009, 94, .	3.3	16
134	Relationship between Surface Characteristics and Floatability in Representative Sulfide Minerals: Role of Surface Oxidation. Materials Transactions, 2017, 58, 1069-1075.	1.2	16
135	Environmental applications and risks of nanomaterials: An introduction to CREST publications during 2018–2021. Critical Reviews in Environmental Science and Technology, 2022, 52, 3753-3762.	12.8	16
136	Optical phonons inPb1â^'xEuxTeepilayers andPbTe/EuTesuperlattices: Berreman effect. Physical Review B, 2001, 64, .	3.2	15
137	Control of pore and window size of ceramic foams with tri-modal pore structure: Influence of agar concentration. Materials Letters, 2013, 110, 256-259.	2.6	15
138	Transport of carboxyl-functionalized carbon black nanoparticles in saturated porous media: Column experiments and model analyses. Journal of Contaminant Hydrology, 2015, 177-178, 194-205.	3.3	15
139	A new rigid planar low band gap PTTDPP-DT-DTT polymer for organic transistors and performance improvement through the use of a binary solvent system. Dyes and Pigments, 2016, 126, 138-146.	3.7	15
140	Low-Band-Gap Polymer-Based Ambipolar Transistors and Inverters Fabricated Using a Flow-Coating Method. Journal of Physical Chemistry C, 2016, 120, 13865-13872.	3.1	15
141	Coherence and pulse duration characterization of the PAL-XFEL in the hard X-ray regime. Scientific Reports, 2019, 9, 3300.	3.3	15
142	The effect of surface interactions on the viscosity of polymer thin films. Europhysics Letters, 2006, 73, 899-905.	2.0	14
143	Evaluation of permeable pore sizes of macroporous materials using a modified gas permeation method. Materials Characterization, 2009, 60, 14-20.	4.4	14
144	Molecular Stacking Effect on Small-Molecular Organic Light-Emitting Diodes Prepared with Solution Process. ACS Applied Materials & Interfaces, 2020, 12, 23244-23251.	8.0	14

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145	Influence of solution chemistry on the deposition and detachment kinetics of RNA on silica surfaces. Colloids and Surfaces B: Biointerfaces, 2011, 82, 443-449.	5.0	13
146	Influence of sulfate on the transport of bacteria in quartz sand. Colloids and Surfaces B: Biointerfaces, 2013, 110, 443-449.	5.0	13
147	Pore Characteristics and Hydrothermal Stability of Mesoporous Silica: Role of Oleic Acid. Journal of Nanomaterials, 2014, 2014, 1-8.	2.7	13
148	Local and gap modes of substitutional 3dtransition-metal ions in zinc-blende and wurtzite II-VI semiconductors. Physical Review B, 1996, 53, 12884-12888.	3.2	12
149	MnSe: Rocksalt versus zinc-blende structure. Physical Review B, 1998, 58, 6700-6703.	3.2	12
150	X-ray photon correlation spectroscopy studies of colloidal diffusion and the capillary modes of polymer films. Physica B: Condensed Matter, 2003, 336, 173-180.	2.7	12
151	Noncontact characterization of sheet resistance of indium–tin-oxide thin films by using a near-field microwave microprobe. Thin Solid Films, 2006, 515, 1354-1357.	1.8	12
152	Surface Modification of Calcium Carbonate with Cationic Polymer and Their Dispersibility. Materials Transactions, 2012, 53, 2195-2199.	1.2	12
153	Time-resolved in situ visualization of the structural response of zeolites during catalysis. Nature Communications, 2020, 11, 5901.	12.8	11
154	Recovery of Platinum-Group Metals from an Unconventional Source of Catalytic Converter Using Pressure Cyanide Leaching and Ionic Liquid Extraction. Jom, 2022, 74, 1020-1026.	1.9	11
155	Evidence for correlated hole distribution in neutron-transmutation-doped isotopically controlled germanium. Physical Review B, 1996, 53, 7797-7804.	3.2	10
156	Determination of the dispersion of the index of refraction and the elastic moduli for molecular-beam-epitaxy-grown Zn1â^'xBexSe alloys. Applied Physics Letters, 2001, 79, 473-475.	3.3	10
157	Characterization of stone powder sludge foams and their application to wastewater treatment: Role of pore connectivity. Materials Chemistry and Physics, 2012, 134, 26-30.	4.0	10
158	Surface Charge Regulation of Carboxyl Terminated Polystyrene Latex Particles and Their Interactions at the Oil/Water Interface. Langmuir, 2014, 30, 12164-12170.	3.5	10
159	Role of Chain Length and Type on the Adsorption Behavior of Cationic Surfactants and the Silica Floatability. Materials Transactions, 2014, 55, 1344-1349.	1.2	10
160	A Surface Chemical Reaction in Organic–Inorganic Materials Using a New Chemical Evaporation System. Chemistry of Materials, 2015, 27, 4546-4551.	6.7	10
161	Enhancement of Organic Photovoltaic Efficiency via Nanomorphology Control using Conjugated Polymers Incorporating Fullerene Compatible Side-Chains. Macromolecules, 2015, 48, 337-345.	4.8	10
162	Well-Balanced Carrier Mobilities in Ambipolar Transistors Based on Solution-Processable Low Band Gap Small Molecules. Journal of Physical Chemistry C, 2015, 119, 16414-16423.	3.1	10

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#	Article	IF	CITATIONS
163	Chalcopyrite Bioleaching Using Adapted Mesophilic Microorganisms: Effects of Temperature, Pulp Density, and Initial Ferrous Concentrations. Materials Transactions, 2018, 59, 1860-1866.	1.2	10
164	Application of Depletion Attraction in Mineral Flotation: I. Theory. Minerals (Basel, Switzerland), 2018, 8, 451.	2.0	10
165	Application of Depletion Attraction in Mineral Flotation: II. Effects of Depletant Concentration. Minerals (Basel, Switzerland), 2018, 8, 450.	2.0	10
166	Ultrafast Carrier–Lattice Interactions and Interlayer Modulations of Bi <sub>2</sub> Se <sub>3</sub> by X-ray Free-Electron Laser Diffraction. Nano Letters, 2021, 21, 8554-8562.	9.1	10
167	Magnetospectroscopy of Acceptors in "Blue―Diamonds. Physical Review Letters, 1999, 83, 3254-3257.	7.8	9
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