

# Shaoxian Song

## 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.

215  
papers

4,406  
citations

35  
h-index

53  
g-index

218  
ext. papers

6,084  
ext. citations

5.8  
avg, IF

6.55  
L-index

#	Paper	IF	Citations
215	Selective flotation separation of bastnaesite from dolomite using Daphthyl sulfonate formaldehyde condensate as depressant: Experimental and calculational studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 639, 128380	5.1	2
214	Enhanced biodegradation of ciprofloxacin by enriched nitrifying sludge: assessment of removal pathways and microbial responses.. <i>Water Science and Technology</i> , <b>2022</b> , 85, 409-419	2.2	1
213	A novel gasification exfoliation method of the preparation of anhydrous montmorillonite nanosheets for inhibiting restack problem suffering from dehydration. <i>Applied Clay Science</i> , <b>2022</b> , 217, 106394	5.2	1
212	Double-layered montmorillonite/MoS <sub>2</sub> aerogel with vertical channel for efficient and stable solar interfacial desalination. <i>Applied Clay Science</i> , <b>2022</b> , 217, 106389	5.2	0
211	Flexible 2D@3D Janus evaporators for high-performance and continuous solar desalination. <i>Desalination</i> , <b>2022</b> , 525, 115483	10.3	2
210	Three-dimensional montmorillonite/Ag nanowire aerogel supported stearic acid as composite phase change materials for superior solar-thermal energy harvesting and storage. <i>Composites Science and Technology</i> , <b>2022</b> , 217, 109121	8.6	14
209	Synthetic Fe-rich nontronite as a novel activator of bisulfite for the efficient removal of tetracycline. <i>Journal of Environmental Management</i> , <b>2022</b> , 302, 114002	7.9	2
208	Montmorillonite facilitated Pb(II) biomineralization by <i>Chlorella sorokiniana</i> FK in soil. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127007	12.8	4
207	Synergetic degradation of Methylene Blue through photocatalysis and Fenton reaction on two-dimensional molybdenite-Fe.. <i>Journal of Environmental Sciences</i> , <b>2022</b> , 111, 11-23	6.4	6
206	Precise Cation Recognition in Two-Dimensional Nanofluidic Channels of Clay Membranes Imparted from Intrinsic Selectivity of Clays.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	3
205	MoS <sub>2</sub> composite hydrogel supported by two-dimensional montmorillonite nanosheets for Pb <sup>2+</sup> removal from water. <i>Chemical Physics</i> , <b>2022</b> , 556, 111477	2.3	0
204	Physical Disturbance Reduces Cyanobacterial Relative Abundance and Substrate Metabolism Potential of Biological Soil Crusts on a Gold Mine Tailing of Central China.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 811039	5.7	0
203	Enhanced removal of fluoride from water through precise regulation of active aluminum phase using CaCO <sub>3</sub> .. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	0
202	Self-assembly hierarchical binary gel based on MXene and montmorillonite nanosheets for efficient and stable solar steam generation. <i>Journal of Cleaner Production</i> , <b>2022</b> , 357, 132000	10.3	0
201	Vertical porous MoS <sub>2</sub> /hectorite double-layered aerogel as superior salt resistant and highly efficient solar steam generators. <i>Renewable Energy</i> , <b>2022</b> , 194, 68-79	8.1	0
200	Cometabolic biodegradation of antibiotics by ammonia oxidizing microorganisms during wastewater treatment processes.. <i>Journal of Environmental Management</i> , <b>2021</b> , 305, 114336	7.9	3
199	Piezo-Photocatalytic Reduction of Au(I) by Defect-Rich MoS <sub>2</sub> Nanoflowers for Efficient Gold Recovery from a Thiosulfate Solution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 589-598	8.3	9

198	Emerging Hexagonal MoC Nanosheet with (002) Facet Exposure and Cu Incorporation for Peroxymonosulfate Activation Toward Antibiotic Degradation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 14342-14354	9.5	22
197	Synthesis of three-dimensional reduced graphene oxide aerogels as electrode material for supercapacitor application. <i>Chemical Physics</i> , <b>2021</b> , 543, 111096	2.3	2
196	Use of posnjakite containing sludge as catalyst for decoloring dye via photo-Fenton-like process. <i>Journal of Cleaner Production</i> , <b>2021</b> , 293, 126184	10.3	9
195	Preparation of Carboxymethyl Cellulose-Based Hydrogel Supported by Two-Dimensional Montmorillonite Nanosheets for Methylene Blue Removal. <i>Journal of Polymers and the Environment</i> , <b>2021</b> , 29, 3918	4.5	2
194	Difference in the preparation of two-dimensional nanosheets of montmorillonite from different regions: Role of the layer charge density. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 617, 126364	5.1	0
193	Degradation of fluoroquinolones in homogeneous and heterogeneous photo-Fenton processes: A review. <i>Chemosphere</i> , <b>2021</b> , 270, 129481	8.4	15
192	Three-dimensional reduced graphene oxide/montmorillonite nanosheet aerogels as electrode material for supercapacitor application. <i>Applied Clay Science</i> , <b>2021</b> , 206, 106022	5.2	9
191	Synchronous photosensitized degradation of methyl orange and methylene blue in water by visible-light irradiation. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 334, 116159	6	7
190	NiCoS@Cobalt Carbonate Hydroxide Obtained by Surface Sulfurization for Efficient and Stable Hydrogen Evolution at Large Current Densities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 35647-35656	9.5	4
189	Effects of Rectifying Bundles on Desliming Ponds. <i>International Journal of Coal Preparation and Utilization</i> , <b>2021</b> , 41, 30-39	1.2	1
188	Magnetic MoS <sub>2</sub> nanosheets as recyclable solar-absorbers for high-performance solar steam generation. <i>Renewable Energy</i> , <b>2021</b> , 163, 146-153	8.1	14
187	Effect of protonation and deprotonation reactions of clay on regulating pyrite flotation in the presence of clay. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 609, 125654	5.1	1
186	First-principles study of X(O, Se, Te)-doped monolayer MoS <sub>2</sub> for Hg <sup>0</sup> adsorption. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2021</b> , 127, 114504	3	5
185	Recent advances in structural engineering of molybdenum disulfide for electrocatalytic hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 127013	14.7	33
184	Eco-friendly geopolymers prepared from solid wastes: A critical review. <i>Chemosphere</i> , <b>2021</b> , 267, 128900	8.4	40
183	Development of superior stable two-dimensional montmorillonite nanosheet based working nanofluids for direct solar energy harvesting and utilization. <i>Applied Clay Science</i> , <b>2021</b> , 200, 105886	5.2	7
182	Removal of heavy metals and dyes by clay-based adsorbents: From natural clays to 1D and 2D nano-composites. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 127574	14.7	49
181	Co-disposal of MSWI fly ash and spent caustic through alkaline-activation consolidation. <i>Cement and Concrete Composites</i> , <b>2021</b> , 116, 103888	8.6	9

180	Liberation and Enrichment of Metallic Iron from Reductively Roasted Copper Slag. <i>Jom</i> , <b>2021</b> , 73, 1013-1022	2
179	Efficient Recovery of Gold(I) from Thiosulfate Solutions through Photocatalytic Reduction with Mn(II)-Doped MoS <sub>2</sub> . <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 11681-11690	8.3 0
178	Combined electrosorption and chemisorption of As(III) in aqueous solutions with manganese dioxide as the electrode. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 24, 101832	7 2
177	Ion modification of transition cobalt oxide by soaking strategy for enhanced water splitting. <i>Chemical Engineering Journal</i> , <b>2021</b> , 423, 130218	14.7 7
176	Solidification of municipal solid waste incineration fly ash and immobilization of heavy metals using waste glass in alkaline activation system. <i>Chemosphere</i> , <b>2021</b> , 283, 131240	8.4 6
175	Rich Se nanoparticles modified cobalt carbonate hydroxide as an efficient electrocatalyst for boosted hydrogen evolution in alkaline conditions. <i>Applied Surface Science</i> , <b>2021</b> , 565, 150505	6.7 4
174	Reusing warm-paste waste as catalyst for peroxymonosulfate activation toward antibiotics degradation under high salinity condition: Performance and mechanism study. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 131295	14.7 7
173	Recent advances in engineering cobalt carbonate hydroxide for enhanced alkaline water splitting. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 887, 161405	5.7 4
172	Insights into the degradation mechanisms and pathways of cephalexin during homogeneous and heterogeneous photo-Fenton processes. <i>Chemosphere</i> , <b>2021</b> , 285, 131417	8.4 6
171	Investigation of Solid-State Carbothermal Reduction of Fayalite with and Without Added Metallic Iron. <i>Jom</i> , <b>2021</b> , 73, 703-711	2.1 2
170	Enhanced Production and Recovery of Orthophosphate from Wastewater Containing Phosphonate 1-Hydroxyethane-1,1-diphosphonic Acid through Combined Packed-Bed Ozonation and Adsorption. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 16946-16955	8.3 0
169	In-situ reduction of Au(S <sub>2</sub> O <sub>3</sub> ) <sub>2</sub> <sup>3-</sup> for efficient recovery of gold with magnetically separable shell-core structured MoS <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> composite. <i>Hydrometallurgy</i> , <b>2020</b> , 198, 105514	4 3
168	Novel rapid room temperature synthesis of conjugated microporous polymer for metal-free photocatalytic degradation of fluoroquinolones. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 398, 122928	12.8 13
167	Fabrication of self-supported Ni(OH) <sub>2</sub> @nickel nanowire core-shell arrays with enhanced electrochemical performance for supercapacitor applications. <i>Scripta Materialia</i> , <b>2020</b> , 186, 79-83	5.6 3
166	In-situ reduction of gold thiosulfate complex on molybdenum disulfide nanosheets for a highly-efficient recovery of gold from thiosulfate solutions. <i>Hydrometallurgy</i> , <b>2020</b> , 195, 105369	4 7
165	Highly stable MoS <sub>2</sub> @PDA composite for enhanced reduction of AuCl <sub>4</sub> <sup>-</sup> . <i>Chemical Physics Letters</i> , <b>2020</b> , 747, 137350	2.5 4
164	Multi-edged molybdenite achieved by thermal modification for enhancing Pb(II) adsorption in aqueous solutions. <i>Chemosphere</i> , <b>2020</b> , 251, 126369	8.4 11
163	Effects of Aluminum Dosage on Gel Formation and Heavy Metal Immobilization in Alkali-Activated Municipal Solid Waste Incineration Fly Ash. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 4727-4733	4.1 16

162	Efficient Ofloxacin degradation with Co(II)-doped MoS <sub>2</sub> nano-flowers as PMS activator under visible-light irradiation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 401, 125978	14.7	59
161	Facile Preparation of Three-Dimensional MoS Aerogels for Highly Efficient Solar Desalination. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 32673-32680	9.5	25
160	In Situ Reduction of Au(I) for Efficient Recovery of Gold from Thiosulfate Solution by the 3D MoS <sub>2</sub> /Chitosan Aerogel. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 3673-3680	8.3	35
159	Self-assembly montmorillonite nanosheets supported hierarchical MoS <sub>2</sub> as enhanced catalyst toward methyl orange degradation. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 246, 122829	4.4	18
158	Selective recovery of heavy metals from wastewater by mechanically activated calcium carbonate: Inspiration from nature. <i>Chemosphere</i> , <b>2020</b> , 246, 125842	8.4	11
157	Adsorption toward Cu(II) and inhibitory effect on bacterial growth occurring on molybdenum disulfide-montmorillonite hydrogel surface. <i>Chemosphere</i> , <b>2020</b> , 248, 126025	8.4	17
156	MoS <sub>2</sub> @sponge with double layer structure for high-efficiency solar desalination. <i>Desalination</i> , <b>2020</b> , 481, 114359	10.3	27
155	Synergistic performance of a sub-nanosopic cobalt and imidazole grafted porous organic polymer for CO <sub>2</sub> fixation to cyclic carbonates under ambient pressure without a co-catalyst. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 13916-13920	13	9
154	Preparation of ion-imprinted montmorillonite nanosheets/chitosan gel beads for selective recovery of Cu(II) from wastewater. <i>Chemosphere</i> , <b>2020</b> , 252, 126560	8.4	24
153	Effects of curing temperature on the compressive strength and microstructure of copper tailing-based geopolymers. <i>Chemosphere</i> , <b>2020</b> , 253, 126754	8.4	32
152	Regulation of coal flotation by the cations in the presence of clay. <i>Fuel</i> , <b>2020</b> , 271, 117590	7.1	10
151	Construction of MoS <sub>2</sub> nano-heterojunction via ZnS doping for enhancing in-situ photocatalytic reduction of gold thiosulfate complex. <i>Chemical Engineering Journal</i> , <b>2020</b> , 394, 124866	14.7	14
150	Synthesis of unique-morphological hollow microspheres of MoS <sub>2</sub> @montmorillonite nanosheets for the enhancement of photocatalytic activity and cycle stability. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 41, 88-97	9.1	21
149	High-performance two-dimensional montmorillonite supported-poly(acrylamide-co-acrylic acid) hydrogel for dye removal. <i>Environmental Pollution</i> , <b>2020</b> , 257, 113574	9.3	49
148	Hydrophilic MoS <sub>2</sub> /polydopamine (PDA) nanocomposites as the electrode for enhanced capacitive deionization. <i>Separation and Purification Technology</i> , <b>2020</b> , 236, 116298	8.3	21
147	Effect of cristobalite on the mechanical behaviour of metakaolin-based geopolymer in artificial seawater. <i>Advances in Applied Ceramics</i> , <b>2020</b> , 119, 29-36	2.3	3
146	Effects of aluminum on the expansion and microstructure of alkali-activated MSWI fly ash-based pastes. <i>Chemosphere</i> , <b>2020</b> , 240, 124986	8.4	21
145	Molybdenum disulfide/montmorillonite composite as a highly efficient adsorbent for mercury removal from wastewater. <i>Applied Clay Science</i> , <b>2020</b> , 184, 105370	5.2	15

144	As(V) removal from water using the La(III)- Montmorillonite hydrogel beads. <i>Reactive and Functional Polymers</i> , <b>2020</b> , 147, 104456	4.6	9
143	Laminar MoS <sub>2</sub> membrane for high-efficient rejection of methyl orange from aqueous solution. <i>Chemical Physics</i> , <b>2020</b> , 530, 110609	2.3	3
142	Synthesis of carboxymethyl cellulose-chitosan-montmorillonite nanosheets composite hydrogel for dye effluent remediation. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 165, 1-10	7.9	20
141	Efficient removal of As(V) from diluted aqueous solutions by Fe/La oxide magnetic microspheres. <i>Journal of Cleaner Production</i> , <b>2020</b> , 273, 123134	10.3	7
140	Recyclable Fe <sub>3</sub> O <sub>4</sub> @Polydopamine (PDA) nanofluids for highly efficient solar evaporation. <i>Green Energy and Environment</i> , <b>2020</b> ,	5.7	7
139	Using van der Waals heterostructures based on two-dimensional InSe <sub>2</sub> S <sub>2</sub> (X = Mo, W) as promising photocatalysts for hydrogen production. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 12509-12515	7.1	14
138	Oxygen-incorporated molybdenum disulfide nanosheets as electrode for enhanced capacitive deionization. <i>Desalination</i> , <b>2020</b> , 496, 114758	10.3	5
137	Salt coagulation or flocculation? In situ zeta potential study on ion correlation and slime coating with the presence of clay: A case of coal slurry aggregation. <i>Environmental Research</i> , <b>2020</b> , 189, 109875	7.9	9
136	Co-disposal of MSWI fly ash and spent caustic through alkaline-activation: Immobilization of heavy metals and organics. <i>Cement and Concrete Composites</i> , <b>2020</b> , 114, 103824	8.6	8
135	Assessment of the structure, diversity, and composition of woody species of urban forests of Adama city, Central Ethiopia. <i>Arboricultural Journal</i> , <b>2020</b> , 1-12	0.6	2
134	Role of Montmorillonite, Kaolinite, or Illite in Pyrite Flotation: Differences in Clay Behavior Based on Their Structures. <i>Langmuir</i> , <b>2020</b> , 36, 10860-10867	4	8
133	Utilization of carbonate-based tailings to remove Pb(II) from wastewater through mechanical activation. <i>Science of the Total Environment</i> , <b>2020</b> , 698, 134270	10.2	9
132	Controllable incorporation of oxygen in MoS for efficient adsorption of Hg in aqueous solutions. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 384, 121382	12.8	41
131	Synergistic effect in the reduction of Cr(VI) with Ag-MoS <sub>2</sub> as photocatalyst. <i>Applied Materials Today</i> , <b>2020</b> , 18, 100453	6.6	13
130	Design of 3D-network montmorillonite nanosheet/stearic acid shape-stabilized phase change materials for solar energy storage. <i>Solar Energy Materials and Solar Cells</i> , <b>2020</b> , 204, 110233	6.4	46
129	Reexamining the Adsorption of Octyl Hydroxamate on Malachite Surface: Forms of Molecules and Anions. <i>Mineral Processing and Extractive Metallurgy Review</i> , <b>2020</b> , 41, 178-186	3.1	3
128	Self-assembled gels of Fe-chitosan/montmorillonite nanosheets: Dye degradation by the synergistic effect of adsorption and photo-Fenton reaction. <i>Chemical Engineering Journal</i> , <b>2020</b> , 379, 122322	14.7	136
127	Enhanced removal of methyl orange on exfoliated montmorillonite/chitosan gel in presence of methylene blue. <i>Chemosphere</i> , <b>2020</b> , 238, 124693	8.4	40

126	Synthesis of chitosan cross-linked 3D network-structured hydrogel for methylene blue removal. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 141, 98-107	7.9	35
125	Preparation of Montmorillonite Nanosheets through Freezing/Thawing and Ultrasonic Exfoliation. <i>Langmuir</i> , <b>2019</b> , 35, 2368-2374	4	37
124	Preparation and characterization of flowerlike Al-doped Ni(OH) <sub>2</sub> for supercapacitor applications. <i>Chemical Physics</i> , <b>2019</b> , 521, 55-60	2.3	17
123	A novel core-shell structural montmorillonite nanosheets/stearic acid composite PCM for great promotion of thermal energy storage properties. <i>Solar Energy Materials and Solar Cells</i> , <b>2019</b> , 192, 57-64	6.4	69
122	Pb(II) removal from water using porous hydrogel of chitosan-2D montmorillonite. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 128, 85-93	7.9	46
121	Floc-Flotation of Malachite Fines with an Octyl Hydroxamate and Kerosene Mixture. <i>Minerals (Basel, Switzerland)</i> , <b>2019</b> , 9, 301	2.4	4
120	Enhancement of cadmium adsorption by EPS-montmorillonite composites. <i>Environmental Pollution</i> , <b>2019</b> , 252, 1509-1518	9.3	37
119	Synthesis of montmorillonite-chitosan hollow and hierarchical mesoporous spheres with single-template layer-by-layer assembly. <i>Journal of Materials Science and Technology</i> , <b>2019</b> , 35, 2325-2330	9.1	8
118	Effect of interlayer cations on exfoliating 2D montmorillonite nanosheets with high aspect ratio: From experiment to molecular calculation. <i>Ceramics International</i> , <b>2019</b> , 45, 17054-17063	5.1	9
117	Design of MtNS/SA microencapsulated phase change materials for enhancement of thermal energy storage performances: Effect of shell thickness. <i>Solar Energy Materials and Solar Cells</i> , <b>2019</b> , 200, 109935	6.4	25
116	Effect of anions species on copper removal from wastewater by using mechanically activated calcium carbonate. <i>Chemosphere</i> , <b>2019</b> , 230, 127-135	8.4	27
115	Heterotrophic denitrifiers growing on soluble microbial products contribute to nitrous oxide production in anammox biofilm: Model evaluation. <i>Journal of Environmental Management</i> , <b>2019</b> , 242, 309-314	7.9	8
114	Reduction mechanism of Au metal ions into Au nanoparticles on molybdenum disulfide. <i>Nanoscale</i> , <b>2019</b> , 11, 9488-9497	7.7	23
113	Mussel-inspired Fe <sub>3</sub> O <sub>4</sub> @Polydopamine(PDA)-MoS <sub>2</sub> core-shell nanosphere as a promising adsorbent for removal of Pb <sup>2+</sup> from water. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 282, 598-605	6	31
112	Competition of Hg <sup>2+</sup> adsorption and surface oxidation on MoS <sub>2</sub> surface as affected by sulfur vacancy defects. <i>Applied Surface Science</i> , <b>2019</b> , 483, 521-528	6.7	31
111	A Case Study on Large-scale Grate-kiln Production of Fluxed Iron Oxide Pellets: Zhanjiang Pelletizing Plant of BaoSteel. <i>Mineral Processing and Extractive Metallurgy Review</i> , <b>2019</b> , 40, 123-128	3.1	7
110	Immobilization of mercury using high-phosphate culture-modified microalgae. <i>Environmental Pollution</i> , <b>2019</b> , 254, 112966	9.3	26
109	Adsorption of heavy metals on molybdenum disulfide in water: A critical review. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 292, 111390	6	35

108	Correlation of aspect ratio of montmorillonite nanosheets with the colloidal properties in aqueous solutions. <i>Results in Physics</i> , <b>2019</b> , 15, 102526	3.7	10
107	Immobilization forms of ZnO in the solidification/stabilization (S/S) of a zinc mine tailing through geopolymerization. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 5728-5735	5.5	18
106	Simultaneous removal of Hg <sup>2+</sup> , Pb <sup>2+</sup> and Cd <sup>2+</sup> from aqueous solutions on multifunctional MoS <sub>2</sub> . <i>Journal of Molecular Liquids</i> , <b>2019</b> , 296, 111987	6	21
105	Removal of Cu(II) from wastewater by using mechanochemically activated carbonate-based tailings through chemical precipitation. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 35198-35207	5.1	6
104	Selective flotation of fluorite from barite using trisodium phosphate as a depressant. <i>Minerals Engineering</i> , <b>2019</b> , 134, 390-393	4.9	29
103	Correlation of Montmorillonite Sheet Thickness and Flame Retardant Behavior of a Chitosan/Montmorillonite Nanosheet Membrane Assembled on Flexible Polyurethane Foam. <i>Polymers</i> , <b>2019</b> , 11,	4.5	14
102	The Influence of Common Chlorides on the Adsorption of SBX on Chalcopyrite Surface during Flotation Process. <i>Mineral Processing and Extractive Metallurgy Review</i> , <b>2019</b> , 40, 129-140	3.1	12
101	Correlation of exfoliation performance with interlayer cations of montmorillonite in the preparation of two-dimensional nanosheets. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 3908-3922	3.8	18
100	Consolidation of mine tailings through geopolymerization at ambient temperature. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 2451-2461	3.8	24
99	Air Dispersion and Bubble Characteristics in a Downflow Flotation Column. <i>Mineral Processing and Extractive Metallurgy Review</i> , <b>2019</b> , 40, 224-229	3.1	12
98	The Life Cycle of Water Used in Flotation: a Review. <i>Mining, Metallurgy and Exploration</i> , <b>2019</b> , 36, 385-397.	1.1	4
97	Effect of Cu <sup>2+</sup> and Fe <sup>3+</sup> on the depression of molybdenite in flotation. <i>Minerals Engineering</i> , <b>2019</b> , 130, 101-109	4.9	39
96	Removal of methylene blue from water with montmorillonite nanosheets/chitosan hydrogels as adsorbent. <i>Applied Surface Science</i> , <b>2018</b> , 448, 203-211	6.7	150
95	Kinetic assessment of simultaneous removal of arsenite, chlorate and nitrate under autotrophic and mixotrophic conditions. <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 85-93	10.2	5
94	A case study on large-scale production for iron oxide pellets: Ezhou pelletization plant of the BAOWU. <i>Mineral Processing and Extractive Metallurgy Review</i> , <b>2018</b> , 39, 211-215	3.1	5
93	Recovery of Au(CN) <sub>2</sub> <sup>-</sup> by adsorption using reduced graphene oxide/ascorbic acid hydrogel. <i>Mineral Processing and Extractive Metallurgy: Transactions of the Institute of Mining and Metallurgy</i> , <b>2018</b> , 127, 140-145	0.8	1
92	Model-based assessment of estrogen removal by nitrifying activated sludge. <i>Chemosphere</i> , <b>2018</b> , 197, 430-437	8.4	11
91	Efficient removal of Hg in aqueous solution with fishbone charcoal as adsorbent. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 7709-7718	5.1	8



90	Effect of layer charges on exfoliation of montmorillonite in aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 548, 92-97	5.1	18
89	Methylene blue removal from water using the hydrogel beads of poly(vinyl alcohol)-sodium alginate-chitosan-montmorillonite. <i>Carbohydrate Polymers</i> , <b>2018</b> , 198, 518-528	10.3	192
88	The Influencing Mechanisms of Sodium Hexametaphosphate on Chalcopyrite Flotation in the Presence of MgCl <sub>2</sub> and CaCl <sub>2</sub> . <i>Minerals (Basel, Switzerland)</i> , <b>2018</b> , 8, 150	2.4	12
87	Vanadium Transitions during Roasting-Leaching Process of Vanadium Extraction from Stone Coal. <i>Minerals (Basel, Switzerland)</i> , <b>2018</b> , 8, 63	2.4	8
86	Removal of Cd (II) from water by using nano-scale molybdenum disulphide sheets as adsorbents. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 263, 526-533	6	37
85	Microscale control of edge defect and oxidation on molybdenum disulfide through thermal treatment in air and nitrogen atmospheres. <i>Applied Surface Science</i> , <b>2018</b> , 462, 471-479	6.7	15
84	Preparation and characterization of self-assembly hydrogels with exfoliated montmorillonite nanosheets and chitosan. <i>Nanotechnology</i> , <b>2018</b> , 29, 025605	3.4	23
83	Molecular Dynamics Study of Crystalline Swelling of Montmorillonite as Affected by Interlayer Cation Hydration. <i>Jom</i> , <b>2018</b> , 70, 479-484	2.1	20
82	Novel approach to control adsorbent aggregation: iron fixed bentonite-fly ash for Lead (Pb) and Cadmium (Cd) removal from aqueous media. <i>Frontiers of Environmental Science and Engineering</i> , <b>2018</b> , 12, 1	5.8	17
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78	Effects of aggregates on the mechanical properties and microstructure of geothermal metakaolin-based geopolymers. <i>Results in Physics</i> , <b>2018</b> , 11, 267-273	3.7	19
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76	Insight the effect of crystallinity of natural graphite on the electrochemical performance of reduced graphene oxide. <i>Results in Physics</i> , <b>2018</b> , 11, 131-137	3.7	14
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70	Synthesis of Fluorinated Graphene/CoAl-Layered Double Hydroxide Composites as Electrode Materials for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 5204-5212	9.5	98
69	Electrophoretic mobility study for heterocoagulation of montmorillonite with fluorite in aqueous solutions. <i>Powder Technology</i> , <b>2017</b> , 309, 61-67	5.2	41
68	AFM study on the adsorption of Hg on natural molybdenum disulfide in aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 3837-3844	3.6	85
67	Geopolymerization reaction, microstructure and simulation of metakaolin-based geopolymers at extended Si/Al ratios. <i>Cement and Concrete Composites</i> , <b>2017</b> , 79, 45-52	8.6	169
66	Enhanced adsorption performance of the graphene oxide with metallic ion impurities by elution. <i>Surface and Interface Analysis</i> , <b>2017</b> , 49, 728-734	1.5	1
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63	Adsorption of Zn(II) on graphene oxide prepared from low-purity of amorphous graphite. <i>Surface and Interface Analysis</i> , <b>2017</b> , 49, 398-404	1.5	10
62	Synthesis of Fly Ash and Bentonite-Supported Zero-Valent Iron and Its Application for Removal of Toxic Cationic Dyes from Aqueous Solutions. <i>Environmental Engineering Science</i> , <b>2017</b> , 34, 740-751	2	1
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38	Effect of droplet size of the emulsified kerosene on the floatation of amorphous graphite. <i>Journal of Dispersion Science and Technology</i> , <b>2017</b> , 38, 889-894	1.5	8
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