

Zhang Lin

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.

301
papers

11,097
citations

56
h-index

93
g-index

316
ext. papers

13,793
ext. citations

8.1
avg, IF

6.74
L-index

#	Paper	IF	Citations
301	Spatially separated oxygen vacancies and nickel sites for ensemble promotion of selective CO ₂ photoreduction to CO. <i>Cell Reports Physical Science</i> , 2022 , 100724	6.1	1
300	Effective separation and recovery of Zn, Cu, and Cr from electroplating sludge based on differential phase transformation induced by chlorinating roasting.. <i>Science of the Total Environment</i> , 2022 , 153260	10.2	3
299	Mechanisms of Pb(II) coprecipitation with natrojarosite and its behavior during acid dissolution. <i>Journal of Environmental Sciences</i> , 2022 , 122, 128-137	6.4	0
298	Accelerating CO Electroreduction to Multicarbon Products via Synergistic Electric-Thermal Field on Copper Nanoneedles.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	25
297	Spontaneous separation of Pb from PbSO ₄ -coprecipitated jarosite using freeze-thaw cycling with thiourea. <i>Transactions of Nonferrous Metals Society of China</i> , 2022 , 32, 1019-1030	3.3	
296	Insights into CO adsorption on KOH-activated biochars derived from the mixed sewage sludge and pine sawdust.. <i>Science of the Total Environment</i> , 2022 , 826, 154133	10.2	3
295	Upcycling of electroplating sludge into Fe ₃ C-decorated N,P dual-doped porous carbon via microalgae as efficient sulfur host for lithium-sulfur batteries. <i>Surfaces and Interfaces</i> , 2022 , 30, 101869	4.1	0
294	Tailoring the crystal forms of the Ni-MOF catalysts for enhanced photocatalytic CO ₂ -to-CO performance. <i>Applied Catalysis B: Environmental</i> , 2022 , 309, 121232	21.8	9
293	Highly efficient adsorption of chromium on N, S-codoped porous carbon materials derived from paper sludge.. <i>Science of the Total Environment</i> , 2022 , 155312	10.2	1
292	Insights into the activity of single-atom Fe-N-C catalysts for oxygen reduction reaction.. <i>Nature Communications</i> , 2022 , 13, 2075	17.4	26
291	Renewable biochar derived from mixed sewage sludge and pine sawdust for carbon dioxide capture.. <i>Environmental Pollution</i> , 2022 , 119399	9.3	0
290	The high efficient Sb(III) removal by cauliflower like amorphous nanoscale zero-valent iron (A-nZVI).. <i>Journal of Hazardous Materials</i> , 2022 , 436, 129056	12.8	1
289	Solidification/stabilization of highly toxic arsenic-alkali residue by MSWI fly ash-based cementitious material containing Friedel's salt: Efficiency and mechanism.. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127992	12.8	3
288	Efficient immobilization and utilization of chromite ore processing residue via hydrothermally constructing spinel phase Fe(Cr, Fe)O and its magnetic separation.. <i>Science of the Total Environment</i> , 2021 , 813, 152637	10.2	1
287	Engineering Ultrafine NiFe-LDH into Self-Supporting Nanosheets: Separation-and-Reunion Strategy to Expose Additional Edge Sites for Oxygen Evolution. <i>Small</i> , 2021 , 17, e2103785	11	6
286	One-step removal of high-concentration arsenic from wastewater to form Johnbaumite using arsenic-bearing gypsum. <i>Journal of Hazardous Materials</i> , 2021 , 127585	12.8	1
285	Understanding and controlling the key crystal phase transformation for recovery of sodium chloride from organic waste salt. <i>Surfaces and Interfaces</i> , 2021 , 27, 101499	4.1	

284	Bio-inspired hydrogen-bond network for extraction of organometal micropollutants from water. <i>Cell Reports Physical Science</i> , 2021 , 100625	6.1	1
283	Ultrastrong Anion Affinity of Anionic Clay Induced by Its Inherent Nanoconfinement. <i>Environmental Science & Technology</i> , 2021 , 55, 930-940	10.3	7
282	Quaternary amine synthesized ionic polymer for efficient removal of Cr(VI) in waste water. <i>Surfaces and Interfaces</i> , 2021 , 23, 101031	4.1	
281	Biomimetic inspired porphyrin-based nanoframes for highly efficient photocatalytic CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2021 , 411, 128414	14.7	11
280	Insight into the roles of endogenous minerals in the activation of persulfate by graphitized biochar for tetracycline removal. <i>Science of the Total Environment</i> , 2021 , 768, 144281	10.2	7
279	The algicidal efficacy and the mechanism of <i>Enterobacter</i> sp. EA-1 on <i>Oscillatoria</i> dominating in aquaculture system. <i>Environmental Research</i> , 2021 , 197, 111105	7.9	1
278	Understanding and controlling the key phase transformation for selective extracting Ni and Cu from Cr-containing electroplating sludge. <i>Surfaces and Interfaces</i> , 2021 , 24, 101090	4.1	3
277	Hydrothermal alkaline conversion of sewage sludge: optimization of process parameters and characterization of humic acid. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 57695-57705	5.1	3
276	Investigation on the treatment of Cr(VI) by <i>Bacillus cereus</i> 12-2 under metal cation. <i>Surfaces and Interfaces</i> , 2021 , 24, 101141	4.1	0
275	Evaluation of three common alkaline agents for immobilization of multi-metals in a field-contaminated acidic soil. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 60765-60777	5.1	1
274	High-efficiency adsorption of Cr(VI) and RhB by hierarchical porous carbon prepared from coal gangue. <i>Chemosphere</i> , 2021 , 275, 130008	8.4	13
273	Removal of As(V) by iron-based nanoparticles synthesized via the complexation of biomolecules in green tea extracts and an iron salt. <i>Science of the Total Environment</i> , 2021 , 764, 142883	10.2	7
272	Immobilized Co and Cu induced structural change of layered double hydroxide for efficient heterogeneous degradation of antibiotic. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123554	12.8	9
271	The removal of heavy metal cations by sulfidated nanoscale zero-valent iron (S-nZVI): The reaction mechanisms and the role of sulfur. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124057	12.8	38
270	Synthesis of NiFeAl LDHs from electroplating sludge and Their excellent supercapacitor performance. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124113	12.8	16
269	Boosted photoreduction of diluted CO ₂ through oxygen vacancy engineering in NiO nanoplatelets. <i>Nano Research</i> , 2021 , 14, 730-737	10	24
268	Photoconversion of anthropogenic CO ₂ into tunable syngas over industrial wastes derived metal-organic frameworks. <i>Applied Catalysis B: Environmental</i> , 2021 , 283, 119594	21.8	16
267	Enhanced removal of zinc and cadmium from water using carboxymethyl cellulose-bridged chlorapatite nanoparticles. <i>Chemosphere</i> , 2021 , 263, 128038	8.4	7

266	Analysis of the characteristics of phosphine production by anaerobic digestion based on microbial community dynamics, metabolic pathways, and isolation of the phosphate-reducing strain. <i>Chemosphere</i> , 2021 , 262, 128213	8.4	8
265	Recent progress in understanding the mechanism of heavy metals retention by iron (oxyhydr)oxides. <i>Science of the Total Environment</i> , 2021 , 752, 141930	10.2	48
264	Fe(II)-induced transformation of Jarosite residues generated from zinc hydrometallurgy: Influence on metals behaviors during acid washing. <i>Hydrometallurgy</i> , 2021 , 200, 105523	4	4
263	Simultaneous immobilization of multi-metals in a field contaminated acidic soil using carboxymethyl-cellulose-bridged nano-chlorapatite and calcium oxide. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124786	12.8	6
262	Lattice-strained nanotubes facilitate efficient natural sunlight-driven CO ₂ photoreduction. <i>Nano Research</i> , 2021 , 14, 2558-2567	10	9
261	Rational construction of covalent organic frameworks with multi-site functional groups for highly efficient removal of low-concentration U(VI) from water. <i>Environmental Science: Nano</i> , 2021 , 8, 1469-1480	7.1	2
260	Novel nitrogen-doped KFeS ₂ /C composites for the efficient removal of Cr(VI). <i>Environmental Science: Nano</i> , 2021 , 8, 1057-1066	7.1	6
259	Efficient upcycling electroplating sludge and waste PET into Ni-MOF nanocrystals for the effective photoreduction of CO ₂ . <i>Environmental Science: Nano</i> , 2021 , 8, 390-398	7.1	9
258	Lattice-strained nickel hydroxide nanosheets for the boosted diluted CO ₂ photoreduction. <i>Environmental Science: Nano</i> , 2021 , 8, 2360-2371	7.1	7
257	CoSe@N-Doped Carbon Nanotubes as a Potassium-Ion Battery Anode with High Initial Coulombic Efficiency and Superior Capacity Retention. <i>ACS Nano</i> , 2021 , 15, 1121-1132	16.7	39
256	A Rapid and Robust Light-and-Solution-Triggered In Situ Crafting of Organic Passivating Membrane over Metal Halide Perovskites for Markedly Improved Stability and Photocatalysis. <i>Nano Letters</i> , 2021 , 21, 1643-1650	11.5	19
255	One-step extraction of high-purity CuCl ₂ ·2H ₂ O from copper-containing electroplating sludge based on the directional phase conversion. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125469	12.8	8
254	The efficient biomineralization and adsorption of cadmium (Cd) using secretory organo-biominerals (SOBs) produced by screened <i>Alcaligenes faecalis</i> K2. <i>Environmental Research</i> , 2021 , 199, 111330	7.9	2
253	Simultaneous separation and immobilization of Cr(VI) from layered double hydroxide via reconstruction of the key phases. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125807	12.8	3
252	An Overlooked Natural Hydrogen Evolution Pathway: Ni ²⁺ Boosting H ₂ O Reduction by Fe(OH) ₂ Oxidation during Low-Temperature Serpentinization. <i>Angewandte Chemie</i> , 2021 , 133, 24256	3.6	0
251	An Overlooked Natural Hydrogen Evolution Pathway: Ni Boosting H ₂ O Reduction by Fe(OH) ₂ Oxidation during Low-Temperature Serpentinization. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24054-24058	16.4	3
250	Microwave-enhanced reductive immobilization of high concentrations of chromium in a field soil using iron polysulfide. <i>Journal of Hazardous Materials</i> , 2021 , 418, 126293	12.8	7
249	Synergistic chromium(VI) reduction and phenol oxidative degradation by FeS/Fe and persulfate. <i>Chemosphere</i> , 2021 , 281, 130957	8.4	9

248	Efficient removal of iron from red gypsum via synergistic regulation of gypsum phase transformation and iron speciation. <i>Science of the Total Environment</i> , 2021 , 791, 148319	10.2	3
247	Efficient stabilization of arsenic in the arsenic-bearing lime-ferrate sludge by zero valent iron-enhanced hydrothermal treatment. <i>Chemical Engineering Journal</i> , 2021 , 421, 129683	14.7	4
246	"In-situ synthesized" iron-based bimetal promotes efficient removal of Cr(VI) in by zero-valent iron-loaded hydroxyapatite. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126540	12.8	7
245	Immobilization of cadmium in contaminated soils using sulfidated nanoscale zero-valent iron: Effectiveness and remediation mechanism. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126605	12.8	10
244	Preparation of sludge biochar rich in carboxyl/hydroxyl groups by quenching process and its excellent adsorption performance for Cr(VI). <i>Chemosphere</i> , 2021 , 285, 131439	8.4	10
243	Vacancy engineering in nanostructured semiconductors for enhancing photocatalysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 17143-17172	13	16
242	A highly efficient photoelectrochemical sensor for detection of chlorpyrifos based on 2D/2D \square Bi ₂ O ₃ /g-C ₃ N ₄ heterojunctions. <i>Environmental Science: Nano</i> , 2021 , 8, 773-783	7.1	9
241	Potassium-Ion Batteries: Surface Amorphization of Vanadium Dioxide (B) for K-Ion Battery (Adv. Energy Mater. 23/2020). <i>Advanced Energy Materials</i> , 2020 , 10, 2070103	21.8	10
240	Construction of heterostructured NiFeO-C nanorods by transition metal recycling from simulated electroplating sludge leaching solution for high performance lithium ion batteries. <i>Nanoscale</i> , 2020 , 12, 13398-13406	7.7	7
239	Preparation of Graphene - Like Carbon Composites (GCC) by Hummers Method Using Fly Ash as Carbon Source and Its Removal of Lead from Wastewater. <i>ChemistrySelect</i> , 2020 , 5, 6828-6833	1.8	2
238	Melamine-assisted synthesis of Fe ₃ N featuring highly reversible crystalline-phase transformation for ultrastable sodium ion storage. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6768-6775	13	31
237	NaCl recovery from organic pollutants-containing salt waste via dual effects of aqueous two-phase systems (ATPS) and crystal regulation with acetone. <i>Journal of Cleaner Production</i> , 2020 , 260, 121044	10.3	3
236	Cellulose Mediated Reduction and Immobilization of Cr(VI) in Chromite Ore Processing Residue. <i>Journal of Hazardous Materials</i> , 2020 , 394, 122538	12.8	5
235	Efficient extraction of slowly-released Cr(VI) from nano-sized ion channels in Cr(VI)@tringite from reduced chromite ore processing residue. <i>Environmental Science: Nano</i> , 2020 , 7, 1082-1091	7.1	8
234	High levels of microplastic pollution in aquaculture water of fish ponds in the Pearl River Estuary of Guangzhou, China. <i>Science of the Total Environment</i> , 2020 , 744, 140679	10.2	41
233	Heterointerface Engineering of Hierarchical Bi ₂ S ₃ /MoS ₂ with Self-Generated Rich Phase Boundaries for Superior Sodium Storage Performance. <i>Advanced Functional Materials</i> , 2020 , 30, 1910732	15.6	87
232	Ruthenium Nanoparticles Supported on Mg(OH) ₂ Microflowers as Catalysts for Photothermal Carbon Dioxide Hydrogenation. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3028-3033	5.6	15
231	Targeted conversion of Ni in electroplating sludge to nickel ferrite nanomaterial with stable lithium storage performance. <i>Journal of Hazardous Materials</i> , 2020 , 393, 122296	12.8	25

230	Surface Amorphization of Vanadium Dioxide (B) for K-Ion Battery. <i>Advanced Energy Materials</i> , 2020 , 10, 2000717	21.8	67
229	Selective recovery of Cr from electroplating nanosludge via crystal modification and dilute acid leaching. <i>Environmental Science: Nano</i> , 2020 , 7, 1593-1601	7.1	8
228	Identification of the key host phases of Cr in fresh chromite ore processing residue (COPR). <i>Science of the Total Environment</i> , 2020 , 703, 135075	10.2	6
227	Facile Preparation of Super Absorbent from Calcium-Aluminum Waste Residue and Its Application for Adsorption of Congo Red. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 769-778	1.3	1
226	Extraction of Cr(VI) from chromite ore processing residue via hydrothermal-assisted phase transformation. <i>Chinese Chemical Letters</i> , 2020 , 31, 1956-1960	8.1	0
225	Ultrathin Co-Co LDHs nanosheets assembled vertically on MXene: 3D nanoarrays for boosted visible-light-driven CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2020 , 391, 123519	14.7	61
224	Global review of phthalates in edible oil: An emerging and nonnegligible exposure source to human. <i>Science of the Total Environment</i> , 2020 , 704, 135369	10.2	31
223	FeP-decorated N,P Codoped Carbon Synthesized via Direct Biological Recycling for Endurable Sulfur Encapsulation. <i>ACS Central Science</i> , 2020 , 6, 1827-1834	16.8	13
222	Physicochemical and environmental properties of arsenic sulfide sludge from copper and lead/zinc smelter. <i>Transactions of Nonferrous Metals Society of China</i> , 2020 , 30, 1943-1955	3.3	8
221	Remediation of soil and groundwater contaminated with organic chemicals using stabilized nanoparticles: Lessons from the past two decades. <i>Frontiers of Environmental Science and Engineering</i> , 2020 , 14, 1	5.8	20
220	Role of sulfur atoms in the adsorption of antimony by greigite. <i>Surfaces and Interfaces</i> , 2020 , 20, 100584	4.1	3
219	Convenient fabrication of a core-shell Sn@TiO anode for lithium storage from tinplate electroplating sludge. <i>Chemical Communications</i> , 2020 , 56, 10187-10190	5.8	10
218	In situ controlled synthesis of porous FeNi materials from oily sludge by chlorinating calcination and their novel application in supercapacitors. <i>Environmental Science: Nano</i> , 2020 , 7, 3814-3823	7.1	5
217	Research progress in the environmental application of magnesium hydroxide nanomaterials. <i>Surfaces and Interfaces</i> , 2020 , 21, 100701	4.1	7
216	Different Pathways for Cr(III) Oxidation: Implications for Cr(VI) Reoccurrence in Reduced Chromite Ore Processing Residue. <i>Environmental Science & Technology</i> , 2020 , 54, 11971-11979	10.3	40
215	Rational Design of FeNi Bimetal Modified Covalent Organic Frameworks for Photoconversion of Anthropogenic CO into Widely Tunable Syngas. <i>Small</i> , 2020 , 16, e2002985	11	22
214	Iron phthalocyanine with coordination induced electronic localization to boost oxygen reduction reaction. <i>Nature Communications</i> , 2020 , 11, 4173	17.4	133
213	Crystal regulation of gypsum via hydrothermal treatment with hydrogen ion for Cr(VI) extraction. <i>Journal of Hazardous Materials</i> , 2020 , 390, 120614	12.8	5

212	Hierarchical NiCo ₂ O ₄ hollow nanocages for photoreduction of diluted CO ₂ : Adsorption and active sites engineering. <i>Applied Catalysis B: Environmental</i> , 2020 , 260, 118208	21.8	57
211	Preparation of 2D nitrogen-doped magnetic FeC/C by in-situ self-assembled double-template method for enhanced removal of Cr(VI). <i>Environmental Pollution</i> , 2020 , 263, 114374	9.3	21
210	Removal of Sb(III) from wastewater by magnesium oxide and the related mechanisms. <i>Environmental Research</i> , 2020 , 186, 109489	7.9	18
209	Nonreductive biomineralization of uranium by <i>Bacillus subtilis</i> ATCC-6633 under aerobic conditions. <i>Journal of Environmental Radioactivity</i> , 2019 , 208-209, 106027	2.4	13
208	Mechanisms and pathways of debromination of polybrominated diphenyl ethers (PBDEs) in various nano-zerovalent iron-based bimetallic systems. <i>Science of the Total Environment</i> , 2019 , 661, 18-26	10.2	25
207	Removal and recovery of Pb from wastewater through a reversible phase transformation process between nano-flower-like Mg(OH) ₂ and soluble Mg(HCO ₃) ₂ . <i>Environmental Science: Nano</i> , 2019 , 6, 467-477	7.1	15
206	Ferrihydrite transformation under the impact of humic acid and Pb: kinetics, nanoscale mechanisms, and implications for C and Pb dynamics. <i>Environmental Science: Nano</i> , 2019 , 6, 747-762	7.1	35
205	Upcycling of Electroplating Sludge into Ultrafine Sn@C Nanorods with Highly Stable Lithium Storage Performance. <i>Nano Letters</i> , 2019 , 19, 1860-1866	11.5	104
204	PCN-224/rGO nanocomposite based photoelectrochemical sensor with intrinsic recognition ability for efficient p-arsanilic acid detection. <i>Environmental Science: Nano</i> , 2019 , 6, 207-215	7.1	23
203	Adsorption of low-concentration mercury in water by 3D cyclodextrin/graphene composites: Synergistic effect and enhancement mechanism. <i>Environmental Pollution</i> , 2019 , 252, 1133-1141	9.3	22
202	Coupled Kinetics Model for Microbially Mediated Arsenic Reduction and Adsorption/Desorption on Iron Oxides: Role of Arsenic Desorption Induced by Microbes. <i>Environmental Science & Technology</i> , 2019 , 53, 8892-8902	10.3	16
201	Mechanism of As(V) removal by green synthesized iron nanoparticles. <i>Journal of Hazardous Materials</i> , 2019 , 379, 120811	12.8	34
200	Molecular fractionation and sub-nanoscale distribution of dissolved organic matter on allophane. <i>Environmental Science: Nano</i> , 2019 , 6, 2037-2048	7.1	17
199	Immobilization of Uranium at Nanoscale by 12-2 at Different U(VI) Concentration. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 7131-7138	1.3	1
198	Effective capture of aqueous uranium from saline lake with magnesium-based binary and ternary layered double hydroxides. <i>Science of the Total Environment</i> , 2019 , 677, 556-563	10.2	24
197	Synergy between Plasmonic and Electrocatalytic Activation of Methanol Oxidation on Palladium-Silver Alloy Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8794-8798	16.4	66
196	Emerging investigator series: treatment and recycling of heavy metals from nanosludge. <i>Environmental Science: Nano</i> , 2019 , 6, 1657-1673	7.1	26
195	Powerful uranium extraction strategy with combined ligand complexation and photocatalytic reduction by postsynthetically modified photoactive metal-organic frameworks. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 47-54	21.8	117

194	Substitution-mediated enhanced adsorption of low concentration As(V) from water by mesoporous Mn _x Fe _{3-x} O ₄ microspheres. <i>Environmental Science: Nano</i> , 2019 , 6, 1406-1417	7.1	3
193	The effects of interaction between vermiculite and manganese dioxide on the environmental geochemical process of thallium. <i>Science of the Total Environment</i> , 2019 , 669, 903-910	10.2	16
192	Simultaneous oxidation of Cr(III) and extraction of Cr(VI) from chromite ore processing residue by silicate-assisted hydrothermal treatment. <i>Chemical Engineering Journal</i> , 2019 , 371, 565-574	14.7	13
191	Mechanism of dry detoxification of chromium slag by carbon monoxide. <i>Environmental Chemistry Letters</i> , 2019 , 17, 1375-1381	13.3	6
190	Identification of Cr(VI) speciation in ferrous sulfate-reduced chromite ore processing residue (rCOPR) and impacts of environmental factors erosion on Cr(VI) leaching. <i>Journal of Hazardous Materials</i> , 2019 , 373, 389-396	12.8	14
189	Photocatalytic debromination of polybrominated diphenyl ethers (PBDEs) on metal doped TiO ₂ nanocomposites: Mechanisms and pathways. <i>Environment International</i> , 2019 , 127, 5-12	12.9	32
188	Synthesis of CoFeO/C nano-catalyst with excellent performance by molten salt method and its application in 4-nitrophenol reduction. <i>Environmental Pollution</i> , 2019 , 254, 112961	9.3	26
187	Potentially toxic elements in solid waste streams: Fate and management approaches. <i>Environmental Pollution</i> , 2019 , 253, 680-707	9.3	44
186	General and Scalable Fabrication of Core-Shell Metal Sulfides@C Anchored on 3D N-Doped Foam toward Flexible Sodium Ion Batteries. <i>Small</i> , 2019 , 15, e1903259	11	46
185	Photocatalytic degradation of polybrominated biphenyls (PBBs) on metal doped TiO ₂ nanocomposites in aqueous environments: mechanisms and solution effects. <i>Environmental Science: Nano</i> , 2019 , 6, 1111-1120	7.1	6
184	Efficient removal of low-concentration organoarsenic by Zr-based metal-organic frameworks: cooperation of defects and hydrogen bonds. <i>Environmental Science: Nano</i> , 2019 , 6, 3590-3600	7.1	15
183	Improved Removal of Cr(VI) using Fe ₃ O ₄ /C Magnetic Nanocomposites Derived from Potassium Fulvic Acid. <i>ChemistrySelect</i> , 2019 , 4, 13656-13662	1.8	1
182	2D/2D Heterostructured UNiMOF/g-C ₃ N ₄ for Enhanced Photocatalytic H ₂ Production under Visible-Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2492-2499	8.3	52
181	MOFs-derived ultrathin holey Co ₃ O ₄ nanosheets for enhanced visible light CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019 , 244, 996-1003	21.8	128
180	Trace determination of sulfonamide antibiotics and their acetylated metabolites via SPE-LC-MS/MS in wastewater and insights from their occurrence in a municipal wastewater treatment plant. <i>Science of the Total Environment</i> , 2019 , 653, 815-821	10.2	54
179	The immobilization mechanism of U(VI) induced by <i>Bacillus thuringiensis</i> 016 and the effects of coexisting ions. <i>Biochemical Engineering Journal</i> , 2019 , 144, 57-63	4.2	12
178	Facile synthesis of recycling Fe ₃ O ₄ /graphene adsorbents with potassium humate for Cr(VI) removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 560, 384-392	5.1	28
177	Alkyne-Functionalized Ruthenium Nanoparticles: Impact of Metal-Ligand Interfacial Bonding Interactions on the Selective Hydrogenation of Styrene. <i>ACS Catalysis</i> , 2019 , 9, 98-104	13.1	14

176	Enhanced adsorption of arsenate by spinel zinc ferrite nano particles: Effect of zinc content and site occupation. <i>Journal of Environmental Sciences</i> , 2019 , 79, 248-255	6.4	10
175	Bisphenol A concentrations in human urine, human intakes across six continents, and annual trends of average intakes in adult and child populations worldwide: A thorough literature review. <i>Science of the Total Environment</i> , 2018 , 626, 971-981	10.2	82
174	Sulfate-reducing bacteria in anaerobic bioprocesses: basic properties of pure isolates, molecular quantification, and controlling strategies. <i>Environmental Technology Reviews</i> , 2018 , 7, 46-72	7.7	16
173	A Quantitative Model for the Coupled Kinetics of Arsenic Adsorption/Desorption and Oxidation on Manganese Oxides. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 175-180	11	34
172	Effect of Cu(II) on the stability of oxyanion-substituted schwertmannite. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 15492-15506	5.1	6
171	Experimental and theoretical calculation investigation on efficient Pb(II) adsorption on etched Ti3AlC2 nanofibers and nanosheets. <i>Environmental Science: Nano</i> , 2018 , 5, 946-955	7.1	90
170	Kinetics of heavy metal adsorption and desorption in soil: Developing a unified model based on chemical speciation. <i>Geochimica Et Cosmochimica Acta</i> , 2018 , 224, 282-300	5.5	59
169	Enhanced Adsorption of p-Arsanilic Acid from Water by Amine-Modified UiO-67 as Examined Using Extended X-ray Absorption Fine Structure, X-ray Photoelectron Spectroscopy, and Density Functional Theory Calculations. <i>Environmental Science & Technology</i> , 2018 , 52, 3466-3475	10.3	105
168	Defective magnesium ferrite nano-platelets for the adsorption of As(V): The role of surface hydroxyl groups. <i>Environmental Pollution</i> , 2018 , 235, 11-19	9.3	31
167	Surface microstructure engenders unusual hydrophobicity in phyllosilicates. <i>Chemical Communications</i> , 2018 , 54, 5418-5421	5.8	12
166	Carbon Cloth Supported Nano-Mg(OH) for the Enrichment and Recovery of Rare Earth Element Eu(III) From Aqueous Solution. <i>Frontiers in Chemistry</i> , 2018 , 6, 118	5	6
165	3D spatially branched hierarchical Z-scheme CdS-Au nanoclusters-ZnO hybrids with boosted photocatalytic hydrogen evolution. <i>Journal of Alloys and Compounds</i> , 2018 , 754, 105-113	5.7	53
164	Biom mineralization mechanism of U(VI) induced by Bacillus cereus 12-2: The role of functional groups and enzymes. <i>Chemosphere</i> , 2018 , 206, 682-692	8.4	28
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16	REACTIONS OF TRANSITION METAL THIOLATO UNITS IV. FORMATION OF PHOSPHINE-CONTAINING COBALT OR NICKEL COMPLEXES WITH iso-MALEONITRILE-DITHIOLATE. <i>Journal of Coordination Chemistry</i> , 1999 , 46, 409-424	1.6	2
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12	Investigation of the interaction between acridine orange and bovine serum albumin. <i>Talanta</i> , 1998 , 47, 1223-9	6.2	327
11	The observation of the local ordering characteristics of spermidine-condensed DNA: atomic force microscopy and polarizing microscopy studies. <i>Nucleic Acids Research</i> , 1998 , 26, 3228-34	20.1	84
10	A convenient method of aligning large DNA molecules on bare mica surfaces for atomic force microscopy. <i>Nucleic Acids Research</i> , 1998 , 26, 4785-6	20.1	77
9	Heterooctanuclear Cluster Complex Formation with Phosphine Participation: Synthesis, Structure, and Magnetic Properties of Co ₆ Ru ₂ (mp) ₁₀ (PBun ₃) ₆ (H ₂ mp = 2-Mercaptophenol, PBun ₃ = Tri-n-butylphosphine). <i>Inorganic Chemistry</i> , 1997 , 36, 208-213	5.1	20
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6	Resonant slot antennas as transducers of DNA hybridization: a computational feasibility study		5
5	Microinteraction Analysis between Heavy Metals and Coexisting Phases in Heavy Metal Containing Solid Wastes. <i>ACS ES&T Engineering</i> ,		1
4	Boosting CO ₂ electroreduction towards C ₂ + products via CO* intermediate manipulation on copper-based catalysts. <i>Environmental Science: Nano</i> ,	7.1	1
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