

Zhang Lin

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5554167/zhang-lin-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Efficient visible-light photocatalytic hydrogen evolution and enhanced photostability of core/shell CdS/g-C ₃ N ₄ nanowires. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10317-24	9.5	655
300	Progress of nanocrystalline growth kinetics based on oriented attachment. <i>Nanoscale</i> , 2010 , 2, 18-34	7.7	434
299	Noble metal-free Ni(OH) ₂ /g-C ₃ N ₄ composite photocatalyst with enhanced visible-light photocatalytic H ₂ -production activity. <i>Catalysis Science and Technology</i> , 2013 , 3, 1782	5.5	363
298	SnS nanoparticles electrostatically anchored on three-dimensional N-doped graphene as an active and durable anode for sodium-ion batteries. <i>Energy and Environmental Science</i> , 2017 , 10, 1757-1763	35.4	345
297	Investigation of the interaction between acridine orange and bovine serum albumin. <i>Talanta</i> , 1998 , 47, 1223-9	6.2	327
296	Nickel Metal-Organic Framework Monolayers for Photoreduction of Diluted CO ₂ : Metal-Node-Dependent Activity and Selectivity. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16811-16815	16.4	259
295	Enhanced photocatalytic hydrogen production activities of Au-loaded ZnS flowers. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1031-7	9.5	197
294	DNA Attachment and Hybridization at the Silicon (100) Surface. <i>Langmuir</i> , 2002 , 18, 788-796	4	177
293	Mg(OH) ₂ Supported Nanoscale Zero Valent Iron Enhancing the Removal of Pb(II) from Aqueous Solution. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 7961-9	9.5	160
292	A multistep oriented attachment kinetics: coarsening of ZnS nanoparticle in concentrated NaOH. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12981-7	16.4	150
291	Recycling rare earth elements from industrial wastewater with flowerlike nano-Mg(OH) ₂ . <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9719-25	9.5	141
290	Investigation of antibacterial activity and related mechanism of a series of nano-Mg(OH) ₂ . <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1137-42	9.5	136
289	CoSe Nanoparticles Encapsulated by N-Doped Carbon Framework Intertwined with Carbon Nanotubes: High-Performance Dual-Role Anode Materials for Both Li- and Na-Ion Batteries. <i>Advanced Science</i> , 2018 , 5, 1800763	13.6	135
288	Growth Strategy and Physical Properties of the High Mobility P-Type CuI Crystal. <i>Crystal Growth and Design</i> , 2010 , 10, 2057-2060	3.5	133
287	Iron phthalocyanine with coordination induced electronic localization to boost oxygen reduction reaction. <i>Nature Communications</i> , 2020 , 11, 4173	17.4	133
286	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
285	ZnS nano-architectures: photocatalysis, deactivation and regeneration. <i>Nanoscale</i> , 2010 , 2, 2062-4	7.7	121

284	Crystal growth by oriented attachment: kinetic models and control factors. <i>CrystEngComm</i> , 2014 , 16, 1419	3.3	120
283	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
282	Recycling Mg(OH) ₂ nanoadsorbent during treating the low concentration of Cr(VI). <i>Environmental Science & Technology</i> , 2011 , 45, 1955-61	10.3	112
281	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
280	Bioremediation of Cr(VI) and immobilization as Cr(III) by <i>Ochrobactrum anthropi</i> . <i>Environmental Science & Technology</i> , 2010 , 44, 6357-63	10.3	105
279	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
278	A study of the potential application of nano-Mg(OH) ₂ in adsorbing low concentrations of uranyl tricarbonate from water. <i>Nanoscale</i> , 2012 , 4, 2423-30	7.7	100
277	ZnO nanoflower-based photoelectrochemical DNAzyme sensor for the detection of Pb ²⁺ . <i>Biosensors and Bioelectronics</i> , 2014 , 56, 243-9	11.8	99
276	Experimental and theoretical calculation investigation on efficient Pb(II) adsorption on etched Ti ₃ AlC ₂ nanofibers and nanosheets. <i>Environmental Science: Nano</i> , 2018 , 5, 946-955	7.1	90
275	MgZnO-based metal-semiconductor-metal solar-blind photodetectors on ZnO substrates. <i>Applied Physics Letters</i> , 2011 , 98, 221112	3.4	88
274	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
273	A novel magnetically separable TiO ₂ /CoFe ₂ O ₄ nanofiber with high photocatalytic activity under UV _A light. <i>Materials Research Bulletin</i> , 2012 , 47, 333-337	5.1	87
272	Enhanced visible light photocatalytic hydrogen production activity of CuS/ZnS nanoflower spheres. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13913-13919	13	87
271	Investigation of Cr(VI) reduction and Cr(III) immobilization mechanism by planktonic cells and biofilms of <i>Bacillus subtilis</i> ATCC-6633. <i>Water Research</i> , 2014 , 55, 21-9	12.5	85
270	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
269	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
268	Schottky or Ohmic metal-semiconductor contact: influence on photocatalytic efficiency of Ag/ZnO and Pt/ZnO model systems. <i>ChemSusChem</i> , 2014 , 7, 101-4	8.3	82
267	Migration and potential risk of trace phthalates in bottled water: A global situation. <i>Water Research</i> , 2018 , 147, 362-372	12.5	81

266	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
265	Biomineralization of Pb(II) into Pb-hydroxyapatite induced by <i>Bacillus cereus</i> 12-2 isolated from Lead-Zinc mine tailings. <i>Journal of Hazardous Materials</i> , 2016 , 301, 531-7	12.8	76
264	Surface chemistry controls crystallinity of ZnS nanoparticles. <i>Nano Letters</i> , 2006 , 6, 605-10	11.5	73
263	Kinetics of Cation and Oxyanion Adsorption and Desorption on Ferrihydrite: Roles of Ferrihydrite Binding Sites and a Unified Model. <i>Environmental Science & Technology</i> , 2017 , 51, 10605-10614	10.3	72
262	Chemical Modification and Patterning of Iodine-Terminated Silicon Surfaces Using Visible Light. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 2656-2664	3.4	70
261	FeOOH-loaded MnO nano-composite: An efficient emergency material for thallium pollution incident. <i>Journal of Environmental Management</i> , 2017 , 192, 31-38	7.9	69
260	Surface Amorphization of Vanadium Dioxide (B) for K-Ion Battery. <i>Advanced Energy Materials</i> , 2020 , 10, 2000717	21.8	67
259	Enhanced removal of roxarsone by Fe ₃ O ₄ @3D graphene nanocomposites: synergistic adsorption and mechanism. <i>Environmental Science: Nano</i> , 2017 , 4, 2134-2143	7.1	67
258	Zeolite A synthesized from alkaline assisted pre-activated halloysite for efficient heavy metal removal in polluted river water and industrial wastewater. <i>Journal of Environmental Sciences</i> , 2017 , 56, 254-262	6.4	67
257	Hydrothermal Growth of ZnO Single Crystals with High Carrier Mobility. <i>Crystal Growth and Design</i> , 2009 , 9, 4378-4383	3.5	67
256	Treatment of Cr(VI)-containing Mg(OH) ₂ nanowaste. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5619-22	16.4	67
255	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
254	Kinetics of Heavy Metal Dissociation from Natural Organic Matter: Roles of the Carboxylic and Phenolic Sites. <i>Environmental Science & Technology</i> , 2016 , 50, 10476-10484	10.3	65
253	Microscopic investigations of the Cr(VI) uptake mechanism of living <i>Ochrobactrum anthropi</i> . <i>Langmuir</i> , 2008 , 24, 9630-5	4	65
252	Oriented attachment kinetics for ligand capped nanocrystals: coarsening of thiol-PbS nanoparticles. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 1449-54	3.4	65
251	Drivers and applications of integrated clean-up technologies for surfactant-enhanced remediation of environments contaminated with polycyclic aromatic hydrocarbons (PAHs). <i>Environmental Pollution</i> , 2017 , 225, 129-140	9.3	61
250	Strategy for Preparing Al-Doped ZnO Thin Film with High Mobility and High Stability. <i>Crystal Growth and Design</i> , 2011 , 11, 21-25	3.5	61
249	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

248	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
247	Influence of lattice integrity and phase composition on the photocatalytic hydrogen production efficiency of ZnS nanomaterials. <i>Nanoscale</i> , 2012 , 4, 2859-62	7.7	57
246	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
245	Cr(VI) uptake mechanism of <i>Bacillus cereus</i> . <i>Chemosphere</i> , 2012 , 87, 211-6	8.4	56
244	Simultaneous removal of Cu(II) and Cr(VI) by Mg-Al-Cl layered double hydroxide and mechanism insight. <i>Journal of Environmental Sciences</i> , 2017 , 53, 16-26	6.4	55
243	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
242	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
241	Sb/C composite as a high-performance anode for sodium ion batteries. <i>Electrochimica Acta</i> , 2017 , 242, 159-164	6.7	52
240	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
239	Aggregation-induced fast crystal growth of SnO ₂ nanocrystals. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16228-34	16.4	51
238	Effective Extraction of Cr(VI) from Hazardous Gypsum Sludge via Controlling the Phase Transformation and Chromium Species. <i>Environmental Science & Technology</i> , 2018 , 52, 13336-13342 ^{10.3}	10.3	51
237	The double influence mechanism of pH on arsenic removal by nano zero valent iron: electrostatic interactions and the corrosion of Fe ⁰ . <i>Environmental Science: Nano</i> , 2017 , 4, 1544-1552	7.1	50
236	Pure multistep oriented attachment growth kinetics of surfactant-free SnO ₂ nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 8516-21	3.6	50
235	EDTA-induced self-assembly of 3D graphene and its superior adsorption ability for paraquat using a teabag. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19766-73	9.5	48
234	Correlation between the photoluminescence and oriented attachment growth mechanism of CdS quantum dots. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9528-30	16.4	48
233	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
232	A thermodynamically stable nanophase material. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6126-31	16.4	47
231	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

230	Remediation of Chromium and Uranium Contamination by Microbial Activity. <i>Elements</i> , 2012 , 8, 107-112	3.8	45
229	Potentially toxic elements in solid waste streams: Fate and management approaches. <i>Environmental Pollution</i> , 2019 , 253, 680-707	9.3	44
228	Nickel Metal-Organic Framework Monolayers for Photoreduction of Diluted CO ₂ : Metal-Node-Dependent Activity and Selectivity. <i>Angewandte Chemie</i> , 2018 , 130, 17053-17057	3.6	43
227	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
226	Effect of surface etching on the efficiency of ZnO-based dye-sensitized solar cells. <i>Langmuir</i> , 2010 , 26, 7153-6	4	40
225	Friction Coefficients Derived from Apparent Height Variations in Contact Mode Atomic Force Microscopy Images. <i>Langmuir</i> , 1999 , 15, 7662-7669	4	40
224	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
223	Research progress in ZnO single-crystal: growth, scientific understanding, and device applications. <i>Science Bulletin</i> , 2014 , 59, 1235-1250		39
222	Reversible switch between bulk MgCO ₃ ·3H ₂ O and Mg(OH) ₂ micro/nanorods induces continuous selective preconcentration of anionic dyes. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7698-703	9.5	39
221	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
220	The mechanism of uranium transformation from U(VI) into nano-uramphite by two indigenous <i>Bacillus thuringiensis</i> strains. <i>Journal of Hazardous Materials</i> , 2015 , 297, 313-9	12.8	38
219	Paramagnetic anisotropy of Co-doped ZnO single crystal. <i>Applied Physics Letters</i> , 2006 , 89, 112507	3.4	38
218	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
217	Adsorption-induced crystallization of U-rich nanocrystals on nano-Mg(OH) ₂ and the aqueous uranyl enrichment. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1301-5	9.5	36
216	Tunable surface charge of ZnS:Cu nano-adsorbent induced the selective preconcentration of cationic dyes from wastewater. <i>Nanoscale</i> , 2012 , 4, 3665-8	7.7	36
215	Biogenic Calcium Carbonate with Hierarchical Organic-Inorganic Composite Structure Enhancing the Removal of Pb(II) from Wastewater. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35785-35793	9.5	35
214	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
213	Growth and Phase-Transformation Mechanisms of Nanocrystalline CdS in Na ₂ S Solution. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 9229-9233	3.8	35

212	Catalytic hydrodechlorination of triclosan using a new class of anion-exchange-resin supported palladium catalysts. <i>Water Research</i> , 2017 , 120, 199-210	12.5	34
211	Mechanism of As(V) removal by green synthesized iron nanoparticles. <i>Journal of Hazardous Materials</i> , 2019 , 379, 120811	12.8	34
210	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
209	Study of interface electric field affecting the photocatalysis of ZnO. <i>Chemical Communications</i> , 2011 , 47, 4517-9	5.8	34
208	Real-time molecular monitoring of chemical environment in obligate anaerobes during oxygen adaptive response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12599-604	11.5	34
207	Use of high-pressure CO ₂ for concentrating CrVI from electroplating wastewater by Mg-Al layered double hydroxide. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11271-5	9.5	33
206	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
205	Evolution of ZnS Nanostructure Morphology under Interfacial Free-Energy Control. <i>Chemistry of Materials</i> , 2008 , 20, 2438-2443	9.6	32
204	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
203	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
202	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
201	Fabrication of titanium phosphate@graphene oxide nanocomposite and its super performance on Eu ³⁺ recycling. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14979-14985	13	29
200	Treatment of nanowaste via fast crystal growth: with recycling of nano-SnO ₂ from electroplating sludge as a study case. <i>Journal of Hazardous Materials</i> , 2012 , 211-212, 414-9	12.8	29
199	NaOH concentration effect on the oriented attachment growth kinetics of ZnS. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 5290-4	3.4	29
198	[Ru(bpy) ₃] ²⁺ -mediated photoelectrochemical detection of bisphenol A on a molecularly imprinted polypyrrole modified SnO ₂ electrode. <i>Analytica Chimica Acta</i> , 2015 , 887, 59-66	6.6	28
197	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
196	Dopamine adsorption precursor enables N-doped carbon sheathing of MoS ₂ nanoflowers for all-around enhancement of supercapacitor performance. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 955-963	5.7	28
195	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

194	Emerging investigator series: treatment and recycling of heavy metals from nanosludge. <i>Environmental Science: Nano</i> , 2019 , 6, 1657-1673	7.1	26
193	Template-synthesized ultra-thin molecularly imprinted polymers membrane for the selective preconcentration of dyes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10959-10968	13	26
192	Mn ₂ O ₃ hollow spheres synthesized based on an ion-exchange strategy from amorphous calcium carbonate for highly efficient trace-level uranyl extraction. <i>Environmental Science: Nano</i> , 2016 , 3, 1254-1258	7.1	26
191	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
190	Identification and characterization of the chromium (VI) responding protein from a newly isolated <i>Ochrobactrum anthropi</i> CTS-325. <i>Journal of Environmental Sciences</i> , 2009 , 21, 1673-8	6.4	26
189	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
188	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
187	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
186	The Effects of Particle Concentration and Surface Charge on the Oriented Attachment Growth Kinetics of CdTe Nanocrystals in H ₂ O. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10357-10364	3.8	25
185	The growth and investigation on Ga-doped ZnO single crystals with high thermal stability and high carrier mobility. <i>CrystEngComm</i> , 2011 , 13, 3338	3.3	25
184	Ultraviolet-light-induced bactericidal mechanism on ZnO single crystals. <i>Chemical Communications</i> , 2009 , 6783-5	5.8	25
183	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
182	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
181	Dynamic Behavior of Interfacial Water on Mg(OH) ₂ (001) Surface: A Molecular Dynamics Simulation Work. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 29887-29895	3.8	24
180	Boosted photoreduction of diluted CO ₂ through oxygen vacancy engineering in NiO nanoplatelets. <i>Nano Research</i> , 2021 , 14, 730-737	10	24
179	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
178	Nanoadduct relieves: Alleviation of developmental toxicity of Cr(VI) due to its spontaneous adsorption to Mg(OH) ₂ nanoflakes. <i>Journal of Hazardous Materials</i> , 2015 , 287, 296-305	12.8	23
177	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

176	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
175	Coupled Kinetics of Ferrihydrite Transformation and As(V) Sequestration under the Effect of Humic Acids: A Mechanistic and Quantitative Study. <i>Environmental Science & Technology</i> , 2018 , 52, 11632-11641	10.3	22
174	Mussel-inspired functionalization of biological calcium carbonate for improving Eu(III) adsorption and the related mechanisms. <i>Chemical Engineering Journal</i> , 2018 , 351, 816-824	14.7	22
173	Interfacial Engineering Improved the Selective Extraction of Uranyl from Saline Water by Nano-Mg(OH) ₂ and the Underlying Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 801-809	8.3	21
172	Facile in vitro hydroxyapatite remineralization of human enamel with remarkable hardness. <i>CrystEngComm</i> , 2013 , 15, 4351	3.3	21
171	In situ atomic force microscopy measurement of the dynamic variation in the elastic modulus of swollen chitosan/gelatin hybrid polymer network gels in media of different pH. <i>Polymer International</i> , 1999 , 48, 794-798	3.3	21
170	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
169	Fast trace determination of nine odorant and estrogenic chloro- and bromo-phenolic compounds in real water samples through automated solid-phase extraction coupled with liquid chromatography tandem mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 3813-3822	5.1	21
168	Rapid debromination of polybrominated diphenyl ethers (PBDEs) by zero valent metal and bimetals: Mechanisms and pathways assisted by density function theory calculation. <i>Environmental Pollution</i> , 2018 , 240, 745-753	9.3	21
167	Growth, Structures, and Properties of Li ₂ Zn ₂ (MoO ₄) ₃ and Co-doped Li ₂ Zn ₂ (MoO ₄) ₃ . <i>Crystal Growth and Design</i> , 2009 , 9, 914-920	3.5	20
166	Direct formation of reusable TiO ₂ /CoFe ₂ O ₄ heterogeneous photocatalytic fibers via two-spinneret electrospinning. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 2496-502	1.3	20
165	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
164	Effect of chromate action on morphology of basalt-inhabiting bacteria. <i>Materials Science and Engineering C</i> , 2006 , 26, 610-612	8.3	20
163	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
162	Surface defects enhance the adsorption affinity and selectivity of Mg(OH) ₂ towards As(V) and Cr(VI) oxyanions: a combined theoretical and experimental study. <i>Environmental Science: Nano</i> , 2018 , 5, 2570-2578	7.1	20
161	Nano-Mg(OH) ₂ -induced proliferation inhibition and dysfunction of human umbilical vein vascular endothelial cells through caveolin-1-mediated endocytosis. <i>Cell Biology and Toxicology</i> , 2015 , 31, 15-27	7.4	19
160	Facile Fabrication of Nickel/Heazlewoodite@Carbon Nanosheets and their Superior Catalytic Performance of 4-Nitrophenol Reduction. <i>ChemCatChem</i> , 2018 , 10, 4143-4153	5.2	19
159	Diversity of Microbial Community in Shihongtan Sandstone-Type Uranium Deposits, Xinjiang, China. <i>Geomicrobiology Journal</i> , 2012 , 29, 255-263	2.5	19

- 158 One-pot synthesis of nitrogen-enriched carbon spheres for hexavalent chromium removal from aqueous solution. *RSC Advances*, **2016**, 6, 33055-33062 3.7 19
- 157 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. *Nano Letters*, **2021**, 21, 1643-1650 11.5 19
- 156 A novel multi-reaction model for kinetics of Zn release from soils: Roles of soil binding sites. *Journal of Colloid and Interface Science*, **2018**, 514, 146-155 9.3 19
- 155 Investigation of lead(II) uptake by *Bacillus thuringiensis* 016. *World Journal of Microbiology and Biotechnology*, **2015**, 31, 1729-36 4.4 18
- 154 Temperature-sensitive growth kinetics and photoluminescence properties of CdS quantum dots. *CrystEngComm*, **2013**, 15, 4963 3.3 18
- 153 Reaction of transition metal thiolato units V. Formation of a binuclear mercury(II) complex with the dithiolato ligand i-mnt (1,1-dicyanoethylene-2,2-dithiolate). *Polyhedron*, **1998**, 17, 2497-2502 2.7 18
- 152 Removal of Sb(III) from wastewater by magnesium oxide and the related mechanisms. *Environmental Research*, **2020**, 186, 109489 7.9 18
- 151 Molecular fractionation and sub-nanoscale distribution of dissolved organic matter on allophane. *Environmental Science: Nano*, **2019**, 6, 2037-2048 7.1 17
- 150 Atomic force microscopy analysis of intermediates in cobalt hexammine-induced DNA condensation. *Journal of Biomolecular Structure and Dynamics*, **2000**, 18, 1-9 3.6 17
- 149 Coupled Kinetics Model for Microbially Mediated Arsenic Reduction and Adsorption/Desorption on Iron Oxides: Role of Arsenic Desorption Induced by Microbes. *Environmental Science & Technology*, **2019**, 53, 8892-8902 10.3 16
- 148 The effects of interaction between vermiculite and manganese dioxide on the environmental geochemical process of thallium. *Science of the Total Environment*, **2019**, 669, 903-910 10.2 16
- 147 Sulfate-reducing bacteria in anaerobic bioprocesses: basic properties of pure isolates, molecular quantification, and controlling strategies. *Environmental Technology Reviews*, **2018**, 7, 46-72 7.7 16
- 146 Formation and Self-Assembly of Cadmium Hydroxide Nanoplates in Molten Composite-Hydroxide Solution. *Crystal Growth and Design*, **2010**, 10, 4285-4291 3.5 16
- 145 Preparation and characterization of polyoxometalate-Ag nanoparticles composite multilayer films. *Thin Solid Films*, **2011**, 519, 2317-2322 2.2 16
- 144 Improving the electrostatic precipitation removal efficiency by desulfurized wastewater evaporation. *RSC Advances*, **2016**, 6, 113703-113711 3.7 16
- 143 Synthesis of NiFeAl LDHs from electroplating sludge and Their excellent supercapacitor performance. *Journal of Hazardous Materials*, **2021**, 404, 124113 12.8 16
- 142 Photoconversion of anthropogenic CO₂ into tunable syngas over industrial wastes derived metal-organic frameworks. *Applied Catalysis B: Environmental*, **2021**, 283, 119594 21.8 16
- 141 Vacancy engineering in nanostructured semiconductors for enhancing photocatalysis. *Journal of Materials Chemistry A*, **2021**, 9, 17143-17172 13 16

140	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
139	ZnO nanowires array grown on Ga-doped ZnO single crystal for dye-sensitized solar cells. <i>Scientific Reports</i> , 2015 , 5, 11499	4.9	15
138	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
137	Relationship between the coprecipitation mechanism, doping structure and physical properties of Zn(1-x)Co(x)S nanocrystallites. <i>Nanotechnology</i> , 2007 , 18, 035705	3.4	15
136	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
135	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
134	Surface-mediated chromate-resistant mechanism of <i>Enterobacter cloacae</i> bacteria investigated by atomic force microscopy. <i>Langmuir</i> , 2007 , 23, 4480-5	4	14
133	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
132	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
131	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
130	Mechanisms of Synergistic Removal of Low Concentration As(V) by (OH) ₂ Nanocomposite. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 21411-21419	3.8	13
129	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
128	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
127	Surface microstructure engenders unusual hydrophobicity in phyllosilicates. <i>Chemical Communications</i> , 2018 , 54, 5418-5421	5.8	12
126	Study on the influence of lattice integrity and phase composition to the photocatalytic efficiency of ZnS material. <i>Nanoscale</i> , 2011 , 3, 1512-5	7.7	12
125	The Mass Production of ZnS Nanoarchitecture via Thermodynamic Design. <i>Crystal Growth and Design</i> , 2008 , 8, 2324-2328	3.5	12
124	Subsolidus phase relations in the ZnO-MoO ₃ -B ₂ O ₃ , ZnO-MoO ₃ -W ₂ O ₃ and ZnO-W ₂ O ₃ -B ₂ O ₃ ternary systems. <i>Journal of Alloys and Compounds</i> , 2008 , 458, 144-150	5.7	12
123	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

122	Heterogeneous Condensation of Water on the Mica (001) Surface: A Molecular Dynamics Simulation Work. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 6813-6819	3.8	11
121	Understanding the Occurrence of the Maximum Band-Edge Photoluminescence of TGA-Capped CdS QDs via Growth Kinetic Study. <i>Crystal Growth and Design</i> , 2013 , 13, 5220-5228	3.5	11
120	The pH-dependent binding of zinc citrate to bipy/phen (bipy=2,2-bipyridine, phen=1,10-phenanthroline). <i>Journal of Molecular Structure</i> , 2010 , 966, 59-63	3.4	11
119	Subsolidus phase relation in the system ZnO-Li ₂ O-MoO ₃ . <i>Journal of Alloys and Compounds</i> , 2007 , 430, 67-70	5.7	11
118	Biomimetic inspired porphyrin-based nanoframes for highly efficient photocatalytic CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2021 , 411, 128414	14.7	11
117	Debromination of polybrominated biphenyls (PBBs) by zero valent metals and iron-based bimetallic particles: Mechanisms, pathways and predicting descriptor. <i>Chemical Engineering Journal</i> , 2018 , 351, 773-781	14.7	11
116	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
115	Treatment of Cr(VI)-Containing Mg(OH) ₂ Nanowaste. <i>Angewandte Chemie</i> , 2008 , 120, 5701-5704	3.6	10
114	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
113	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
112	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
111	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
110	Mechanism of adsorption affinity and capacity of Mg(OH) ₂ to uranyl revealed by molecular dynamics simulation. <i>RSC Advances</i> , 2016 , 6, 31507-31513	3.7	9
109	Specific Detection of Alpha-Fetoprotein Using AlGaAs/GaAs High Electron Mobility Transistors. <i>IEEE Electron Device Letters</i> , 2014 , 35, 333-335	4.4	9
108	Treatment of Cr(VI)-containing nanowastes via the growth of nanomaterial. <i>Science Bulletin</i> , 2010 , 55, 373-377		9
107	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
106	Lattice-strained nanotubes facilitate efficient natural sunlight-driven CO ₂ photoreduction. <i>Nano Research</i> , 2021 , 14, 2558-2567	10	9
105	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

104	Synergistic chromium(VI) reduction and phenol oxidative degradation by FeS/Fe and persulfate. <i>Chemosphere</i> , 2021 , 281, 130957	8.4	9
103	A highly efficient photoelectrochemical sensor for detection of chlorpyrifos based on 2D/2D Bi ₂ O ₃ /g-C ₃ N ₄ heterojunctions. <i>Environmental Science: Nano</i> , 2021 , 8, 773-783	7.1	9
102	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
101	Investigation of Methylene Blue Biosorption and Biodegradation by <i>Bacillus thuringiensis</i> 016. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	8
100	Efficient extraction of slowly-released Cr(VI) from nano-sized ion channels in Cr(VI)-bearing tringite from reduced chromite ore processing residue. <i>Environmental Science: Nano</i> , 2020 , 7, 1082-1091	7.1	8
99	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
98	The jump of size phenomenon in aqueous-nanoparticle reaction system: phase transformation from nano-Mg(OH) ₂ to bulk MgCO ₃ ·3H ₂ O. <i>CrystEngComm</i> , 2012 , 14, 7165	3.3	8
97	Phosphine-participated formation and crystal structures of nickel complexes with 2-sulfanylphenol and phosphine ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996 , 177		8
96	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
95	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
94	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
93	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
92	Self-assembly of SnO ₂ quantum dots into hierarchically ordered structures assisted by oriented attachment. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 4845-8	3.6	7
91	Evaluation of phase, microstructure and composition of human dentine after Er,Cr:YSGG laser irradiation. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 2421-6	1.3	7
90	Visualization of the intermediates in a uniform DNA condensation system by tapping mode atomic force microscopy. <i>Surface and Interface Analysis</i> , 2001 , 32, 15-19	1.5	7
89	Ultrastrong Anion Affinity of Anionic Clay Induced by Its Inherent Nanoconfinement. <i>Environmental Science & Technology</i> , 2021 , 55, 930-940	10.3	7
88	Research progress in the environmental application of magnesium hydroxide nanomaterials. <i>Surfaces and Interfaces</i> , 2020 , 21, 100701	4.1	7
87	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

86	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
85	Enhanced removal of zinc and cadmium from water using carboxymethyl cellulose-bridged chlorapatite nanoparticles. <i>Chemosphere</i> , 2021 , 263, 128038	8.4	7
84	Lattice-strained nickel hydroxide nanosheets for the boosted diluted CO ₂ photoreduction. <i>Environmental Science: Nano</i> , 2021 , 8, 2360-2371	7.1	7
83	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
82	"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
81	Mechanism of dry detoxification of chromium slag by carbon monoxide. <i>Environmental Chemistry Letters</i> , 2019 , 17, 1375-1381	13.3	6
80	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
79	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
78	The analysis of the immobilization mechanism of Ni(II) on Bacillus cereus. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 3597-603	1.3	6
77	Photocatalytic bactericidal mechanism of nanoscale TiO ₂ films on Escherichia coli. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 7621-6	1.3	6
76	Reaction of sulfur-containing structural units of transition metals. <i>Science in China Series B: Chemistry</i> , 1997 , 40, 634-642		6
75	Subsolidus phase relations in the systems K ₂ O \cdot nO \cdot AO ₃ (A=Mo, W). <i>Journal of Alloys and Compounds</i> , 2008 , 452, 263-267	5.7	6
74	The ternary system Na ₂ O \cdot nO \cdot WO ₃ : Compounds and phase relationships. <i>Journal of Alloys and Compounds</i> , 2008 , 458, 138-143	5.7	6
73	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
72	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
71	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
70	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
69	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

68	Specific detection of mercury(II) ions using AlGaAs/InGaAs high electron mobility transistors. <i>Journal of Crystal Growth</i> , 2015 , 425, 381-384	1.6	5
67	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
66	Aggregation-based abrupt crystallization from amorphous Ag ₂ S to Ag ₂ S nanocrystals. <i>Chemical Communications</i> , 2015 , 51, 6141-4	5.8	5
65	Resonant slot antennas as transducers of DNA hybridization: a computational feasibility study		5
64	In situ controlled synthesis of porous Fe ₃ O ₄ 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
63	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
62	Growth kinetics study revealing the role of the MPA capping ligand on adjusting the growth modes and PL properties of CdTe QDs. <i>CrystEngComm</i> , 2014 , 16, 1547-1552	3.3	4
61	Hydrothermal growth of large-size UO ₂ nanoparticles mediated by biomass and environmental implications. <i>RSC Advances</i> , 2014 , 4, 62476-62482	3.7	4
60	Synthesis and characterization of nanocrystalline GaN by ammonothermal method using CsNH ₂ as mineralizer. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 5741-5	1.3	4
59	Subsolidus phase relations in the ZnO-B ₂ O ₅ -WO ₃ system. <i>Journal of Alloys and Compounds</i> , 2010 , 496, 105-109	5.7	4
58	In situ conversion of ZnO microsphere from ZnS complex microstructure and photocatalytic study. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 7371-5	1.3	4
57	Surface treatment to enhance photocatalytic activity of ZnS complex nanostructure via a post-synthesis route. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 6721-5	1.3	4
56	X-ray photoelectron studies of spin-state changes in 3d metal systems. <i>Surface and Interface Analysis</i> , 2001 , 32, 114-116	1.5	4
55	AFM as a surface probe beyond structural information. <i>Surface and Interface Analysis</i> , 1999 , 28, 44-48	1.5	4
54	Synthesis of Flaky Flame-retardant Magnesium Hydroxide with High Dispersion. <i>Acta Chimica Sinica</i> , 2012 , 70, 2045	3.3	4
53	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
52	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
51	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

50	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
49	Study on Photocatalytic Degradation of 2,4-Dichlorophenol by ZnS Microsphere. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 1060-6	1.3	3
48	The relationship between photoluminescence (PL) decay and crystal growth kinetics in thioglycolic acid (TGA) capped CdTe quantum dots (QDs). <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 11747-53	3.6	3
47	Al-doped ZnO thin film enhancing the photo-catalytic bactericidal performance on the (100) plane of ZnO single crystal. <i>Catalysis Today</i> , 2014 , 224, 188-192	5.3	3
46	Investigation of various structures of DNA molecules (III) : Coil-globe transition of lambda-DNA induced by cationic surfactant. <i>Science in China Series C: Life Sciences</i> , 1999 , 42, 136-40		3
45	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
44	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
43	Role of sulfur atoms in the adsorption of antimony by greigite. <i>Surfaces and Interfaces</i> , 2020 , 20, 100584	4.1	3
42	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
41	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
40	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
39	An Overlooked Natural Hydrogen Evolution Pathway: Ni Boosting H ₂ Reduction by Fe(OH) ₂ Oxidation during Low-Temperature Serpentinization. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24054-24058	16.4	3
38	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
37	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
36	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
35	Large Verdet constant in the Tb implanted gamma-Fe ₂ O ₃ films. <i>Thin Solid Films</i> , 2014 , 571, 45-50	2.2	2
34	Intrinsic magnetism of a series of Co substituted ZnO single crystals. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 035206	1.8	2
33	Visualization of reconstituted solenoid chromatin structure by tapping mode atomic force microscopy. <i>Surface and Interface Analysis</i> , 2001 , 32, 20-26	1.5	2

32	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
31	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
30	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
29	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
28	Surface morphology studies of in situ polycondensation microcomposites using atomic force microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 1998 , 66, S591-S596	2.6	1
27	Atomic force microscopy observation of the condensates of the spermidine-DNA complexes. <i>Science in China Series B: Chemistry</i> , 1998 , 41, 418-423		1
26	Microinteraction Analysis between Heavy Metals and Coexisting Phases in Heavy Metal Containing Solid Wastes. <i>ACS ES&T Engineering</i> ,		1
25	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
24	Boosting CO ₂ electroreduction towards C ₂ ⁺ products via CO* intermediate manipulation on copper-based catalysts. <i>Environmental Science: Nano</i> ,	7.1	1
23	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
22	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
21	Bio-inspired hydrogen-bond network for extraction of organometal micropollutants from water. <i>Cell Reports Physical Science</i> , 2021 , 100625	6.1	1
20	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
19	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
18	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
17	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
16	Recent advances in metal/ceria catalysts for air pollution control: mechanism insight and application. <i>Environmental Science: Nano</i> ,	7.1	1
15	C-doped KNbO ₃ Single Crystals for Enhanced Piezocatalytic Intermediate Water Splitting. <i>Environmental Science: Nano</i> ,	7.1	1

14	Highly efficient photocatalytic degradation of the emerging pollutant ciprofloxacin via the rational design of a magnetic interfacial junction of mangosteen peel waste-derived 3D graphene hybrid material. <i>Environmental Science: Nano</i> ,	7.1	1
13	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
12	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
11	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
10	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
9	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
8	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
7	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
6	Renewable biochar derived from mixed sewage sludge and pine sawdust for carbon dioxide capture.. <i>Environmental Pollution</i> , 2022 , 119399	9.3	0
5	The cytotoxicity of NiO nanoparticle with borate capping. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 10142-8	1.3	
4	Intermolecular forces between acetylcholine and acetylcholinesterases studied with atomic force microscopy. <i>Science in China Series B: Chemistry</i> , 1999 , 42, 449-457		
3	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	
2	Quaternary amine synthesized ionic polymer for efficient removal of Cr(VI) in waste water. <i>Surfaces and Interfaces</i> , 2021 , 23, 101031	4.1	
1	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	