# Zhang Lin

## List of Publications by Year in descending order

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|---|---|---|---|
| 310 papers | 16,689 citations | 12330 69 h-index | 22166 113 g-index |
| 316 all docs | 316 docs citations | 316 times ranked | 17522 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Efficient Visible-Light Photocatalytic Hydrogen Evolution and Enhanced Photostability of Core/Shell CdS/g-C<sub>3</sub>N<sub>4</sub> Nanowires. ACS Applied Materials & Interfaces, 2013, 5, 10317-10324. | 8.0 | 747 |
| 2 | Progress of nanocrystalline growth kinetics based on oriented attachment. Nanoscale, 2010, 2, 18-34. | 5.6 | 486 |
| 3 | SnS nanoparticles electrostatically anchored on three-dimensional N-doped graphene as an active and durable anode for sodium-ion batteries. Energy and Environmental Science, 2017, 10, 1757-1763. | 30.8 | 431 |
| 4 | Noble metal-free Ni(OH)2â€“g-C3N4 composite photocatalyst with enhanced visible-light photocatalytic H2-production activity. Catalysis Science and Technology, 2013, 3, 1782. | 4.1 | 411 |
| 5 | Nickel Metalâ€“Organic Framework Monolayers for Photoreduction of Diluted CO<sub>2</sub>: Metalâ€Nodeâ€Dependent Activity and Selectivity. Angewandte Chemie - International Edition, 2018, 57, 16811-16815. | 13.8 | 387 |
| 6 | Investigation of the interaction between acridine orange and bovine serum albumin. Talanta, 1998, 47, 1223-1229. | 5.5 | 367 |
| 7 | Iron phthalocyanine with coordination induced electronic localization to boost oxygen reduction reaction. Nature Communications, 2020, 11, 4173. | 12.8 | 358 |
| 8 | Powerful uranium extraction strategy with combined ligand complexation and photocatalytic reduction by postsynthetically modified photoactive metal-organic frameworks. Applied Catalysis B: Environmental, 2019, 254, 47-54. | 20.2 | 222 |
| 9 | Enhanced Photocatalytic Hydrogen Production Activities of Au-Loaded ZnS Flowers. ACS Applied Materials & Interfaces, 2013, 5, 1031-1037. | 8.0 | 221 |
| 10 | CoSe<sub>2</sub> Nanoparticles Encapsulated by Nâ€Doped Carbon Framework Intertwined with Carbon Nanotubes: Highâ€Performance Dualâ€Role Anode Materials for Both Liâ€•and Naâ€Ion Batteries. Advanced Science, 2018, 5, 1800763. | 11.2 | 215 |
| 11 | MOFs-derived ultrathin holey Co3O4 nanosheets for enhanced visible light CO2 reduction. Applied Catalysis B: Environmental, 2019, 244, 996-1003. | 20.2 | 207 |
| 12 | Mg(OH)<sub>2</sub> Supported Nanoscale Zero Valent Iron Enhancing the Removal of Pb(II) from Aqueous Solution. ACS Applied Materials & Interfaces, 2015, 7, 7961-7969. | 8.0 | 198 |
| 13 | Insights into the activity of single-atom Fe-N-C catalysts for oxygen reduction reaction. Nature Communications, 2022, 13, 2075. | 12.8 | 197 |
| 14 | A Multistep Oriented Attachment Kinetics:Â Coarsening of ZnS Nanoparticle in Concentrated NaOH. Journal of the American Chemical Society, 2006, 128, 12981-12987. | 13.7 | 194 |
| 15 | DNA Attachment and Hybridization at the Silicon (100) Surface. Langmuir, 2002, 18, 788-796. | 3.5 | 190 |
| 16 | Investigation of Antibacterial Activity and Related Mechanism of a Series of Nano-Mg(OH)<sub>2</sub>. ACS Applied Materials & Interfaces, 2013, 5, 1137-1142. | 8.0 | 185 |
| 17 | Growth Strategy and Physical Properties of the High Mobility P-Type CuI Crystal. Crystal Growth and Design, 2010, 10, 2057-2060. | 3.0 | 176 |
| 18 | Treatment of Cr<sup>VI</sup>â€Containing Mg(OH)<sub>2</sub> Nanowaste. Angewandte Chemie - International Edition, 2008, 47, 5619-5622. | 13.8 | 175 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Effective Extraction of Cr(VI) from Hazardous Gypsum Sludge via Controlling the Phase Transformation and Chromium Species. Environmental Science & Technology, 2018, 52, 13336-13342. | 10.0 | 175 |
| 20 | Recent progress in understanding the mechanism of heavy metals retention by iron (oxyhydr)oxides. Science of the Total Environment, 2021, 752, 141930. | 8.0 | 172 |
| 21 | Recycling Rare Earth Elements from Industrial Wastewater with Flowerlike Nano-Mg(OH)<sub>2</sub>. ACS Applied Materials & Interfaces, 2013, 5, 9719-9725. | 8.0 | 171 |
| 22 | Crystal growth by oriented attachment: kinetic models and control factors. CrystEngComm, 2014, 16, 1419. | 2.6 | 162 |
| 23 | Recycling Mg(OH)<sub>2</sub>Nanoadsorbent during Treating the Low Concentration of Cr<sup>VI</sup>. Environmental Science & Technology, 2011, 45, 1955-1961. | 10.0 | 153 |
| 24 | Heterointerface Engineering of Hierarchical Bi<sub>2</sub>S<sub>3</sub>/MoS<sub>2</sub> with Selfâ€Generated Rich Phase Boundaries for Superior Sodium Storage Performance. Advanced Functional Materials, 2020, 30, 1910732. | 14.9 | 151 |
| 25 | 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. Environmental Science & Technology, 2018, 52, 3466-3475. | 10.0 | 148 |
| 26 | Accelerating CO<sub>2</sub> Electroreduction to Multicarbon Products via Synergistic Electricâ€Thermal Field on Copper Nanoneedles. Journal of the American Chemical Society, 2022, 144, 3039-3049. | 13.7 | 147 |
| 27 | ZnS nano-architectures: photocatalysis, deactivation and regeneration. Nanoscale, 2010, 2, 2062. | 5.6 | 146 |
| 28 | Ultrathin Co-Co LDHs nanosheets assembled vertically on MXene: 3D nanoarrays for boosted visible-light-driven CO2 reduction. Chemical Engineering Journal, 2020, 391, 123519. | 12.7 | 142 |
| 29 | Different Pathways for Cr(III) Oxidation: Implications for Cr(VI) Reoccurrence in Reduced Chromite Ore Processing Residue. Environmental Science & Technology, 2020, 54, 11971-11979. | 10.0 | 141 |
| 30 | Upcycling of Electroplating Sludge into Ultrafine Sn@C Nanorods with Highly Stable Lithium Storage Performance. Nano Letters, 2019, 19, 1860-1866. | 9.1 | 139 |
| 31 | Migration and potential risk of trace phthalates in bottled water: AÂglobal situation. Water Research, 2018, 147, 362-372. | 11.3 | 134 |
| 32 | 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. Science of the Total Environment, 2018, 626, 971-981. | 8.0 | 133 |
| 33 | Bioremediation of Cr(VI) and Immobilization as Cr(III) by Ochrobactrum anthropi. Environmental Science & Technology, 2010, 44, 6357-6363. | 10.0 | 130 |
| 34 | Biomineralization of Pb(II) into Pb-hydroxyapatite induced by Bacillus cereus 12-2 isolated from Leadâ€Zinc mine tailings. Journal of Hazardous Materials, 2016, 301, 531-537. | 12.4 | 121 |
| 35 | Synergy between Plasmonic and Electrocatalytic Activation of Methanol Oxidation on Palladiumâ€Silver Alloy Nanotubes. Angewandte Chemie - International Edition, 2019, 58, 8794-8798. | 13.8 | 120 |
| 36 | Experimental and theoretical calculation investigation on efficient Pb(<scp>ii</scp>) adsorption on etched Ti<sub>3</sub>AlC<sub>2</sub> nanofibers and nanosheets. Environmental Science: Nano, 2018, 5, 946-955. | 4.3 | 118 |

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|---|---|---|---|
| 37 | Investigation of Cr(VI) reduction and Cr(III) immobilization mechanism by planktonic cells and biofilms of Bacillus subtilis ATCC-6633. Water Research, 2014, 55, 21-29. | 11.3 | 116 |
| 38 | Kinetics of Cation and Oxyanion Adsorption and Desorption on Ferrihydrite: Roles of Ferrihydrite Binding Sites and a Unified Model. Environmental Science & Technology, 2017, 51, 10605-10614. | 10.0 | 115 |
| 39 | A study of the potential application of nano-Mg(OH)2 in adsorbing low concentrations of uranyl tricarbonate from water. Nanoscale, 2012, 4, 2423. | 5.6 | 111 |
| 40 | ZnO nanoflower-based photoelectrochemical DNAzyme sensor for the detection of Pb2+. Biosensors and Bioelectronics, 2014, 56, 243-249. | 10.1 | 109 |
| 41 | Surface Amorphization of Vanadium Dioxide (B) for Kâ€ion Battery. Advanced Energy Materials, 2020, 10, 2000717. | 19.5 | 109 |
| 42 | Enhanced visible light photocatalytic hydrogen production activity of CuS/ZnS nanoflower spheres. Journal of Materials Chemistry A, 2015, 3, 13913-13919. | 10.3 | 108 |
| 43 | Schottky or Ohmic Metalâ€“Semiconductor Contact: Influence on Photocatalytic Efficiency of Ag/ZnO and Pt/ZnO Model Systems. ChemSusChem, 2014, 7, 101-104. | 6.8 | 103 |
| 44 | A novel magnetically separable TiO2/CoFe2O4 nanofiber with high photocatalytic activity under UVâ€“vis light. Materials Research Bulletin, 2012, 47, 333-337. | 5.2 | 101 |
| 45 | Hierarchical NiCo2O4 hollow nanocages for photoreduction of diluted CO2: Adsorption and active sites engineering. Applied Catalysis B: Environmental, 2020, 260, 118208. | 20.2 | 101 |
| 46 | 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. Science of the Total Environment, 2019, 653, 815-821. | 8.0 | 99 |
| 47 | CoSe@N-Doped Carbon Nanotubes as a Potassium-Ion Battery Anode with High Initial Coulombic Efficiency and Superior Capacity Retention. ACS Nano, 2021, 15, 1121-1132. | 14.6 | 98 |
| 48 | FeOOH-loaded MnO2 nano-composite: An efficient emergency material for thallium pollution incident. Journal of Environmental Management, 2017, 192, 31-38. | 7.8 | 97 |
| 49 | MgZnO-based metal-semiconductor-metal solar-blind photodetectors on ZnO substrates. Applied Physics Letters, 2011, 98, 221112. | 3.3 | 96 |
| 50 | Drivers and applications of integrated clean-up technologies for surfactant-enhanced remediation of environments contaminated with polycyclic aromatic hydrocarbons (PAHs). Environmental Pollution, 2017, 225, 129-140. | 7.5 | 95 |
| 51 | Kinetics of heavy metal adsorption and desorption in soil: Developing a unified model based on chemical speciation. Geochimica Et Cosmochimica Acta, 2018, 224, 282-300. | 3.9 | 93 |
| 52 | The removal of heavy metal cations by sulfidated nanoscale zero-valent iron (S-nZVI): The reaction mechanisms and the role of sulfur. Journal of Hazardous Materials, 2021, 404, 124057. | 12.4 | 93 |
| 53 | The observation of the local ordering characteristics of spermidine- condensed DNA: atomic force microscopy and polarizing microscopy studies. Nucleic Acids Research, 1998, 26, 3228-3234. | 14.5 | 91 |
| 54 | Kinetics of Heavy Metal Dissociation from Natural Organic Matter: Roles of the Carboxylic and Phenolic Sites. Environmental Science & Technology, 2016, 50, 10476-10484. | 10.0 | 91 |

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|---|---|---|---|
| 55 | Zeolite A synthesized from alkaline assisted pre-activated halloysite for efficient heavy metal removal in polluted river water and industrial wastewater. Journal of Environmental Sciences, 2017, 56, 254-262. | 6.1 | 91 |
| 56 | 2Dâ€“2D Heterostructured UNiMOF/g-C<sub>3</sub>N<sub>4</sub> for Enhanced Photocatalytic H<sub>2</sub> Production under Visible-Light Irradiation. ACS Sustainable Chemistry and Engineering, 2019, 7, 2492-2499. | 6.7 | 90 |
| 57 | Enhanced removal of roxarsone by Fe<sub>3</sub>O<sub>4</sub>@3D graphene nanocomposites: synergistic adsorption and mechanism. Environmental Science: Nano, 2017, 4, 2134-2143. | 4.3 | 89 |
| 58 | A convenient method of aligning large DNA molecules on bare mica surfaces for atomic force microscopy. Nucleic Acids Research, 1998, 26, 4785-4786. | 14.5 | 81 |
| 59 | Surface Chemistry Controls Crystallinity of ZnS Nanoparticles. Nano Letters, 2006, 6, 605-610. | 9.1 | 80 |
| 60 | Cr(VI) uptake mechanism of Bacillus cereus. Chemosphere, 2012, 87, 211-216. | 8.2 | 80 |
| 61 | Potentially toxic elements in solid waste streams: Fate and management approaches. Environmental Pollution, 2019, 253, 680-707. | 7.5 | 79 |
| 62 | The double influence mechanism of pH on arsenic removal by nano zero valent iron: electrostatic interactions and the corrosion of Fe<sup>0</sup>. Environmental Science: Nano, 2017, 4, 1544-1552. | 4.3 | 78 |
| 63 | Microscopic Investigations of the Cr(VI) Uptake Mechanism of Living Ochrobactrum anthropi. Langmuir, 2008, 24, 9630-9635. | 3.5 | 77 |
| 64 | Hydrothermal Growth of ZnO Single Crystals with High Carrier Mobility. Crystal Growth and Design, 2009, 9, 4378-4383. | 3.0 | 77 |
| 65 | High levels of microplastic pollution in aquaculture water of fish ponds in the Pearl River Estuary of Guangzhou, China. Science of the Total Environment, 2020, 744, 140679. | 8.0 | 77 |
| 66 | Simultaneous removal of Cu(II) and Cr(VI) by Mgâ€“Alâ€“Cl layered double hydroxide and mechanism insight. Journal of Environmental Sciences, 2017, 53, 16-26. | 6.1 | 76 |
| 67 | Chemical Modification and Patterning of Iodine-Terminated Silicon Surfaces Using Visible Light. Journal of Physical Chemistry B, 2002, 106, 2656-2664. | 2.6 | 74 |
| 68 | Tailoring the crystal forms of the Ni-MOF catalysts for enhanced photocatalytic CO2-to-CO performance. Applied Catalysis B: Environmental, 2022, 309, 121232. | 20.2 | 74 |
| 69 | Targeted conversion of Ni in electroplating sludge to nickel ferrite nanomaterial with stable lithium storage performance. Journal of Hazardous Materials, 2020, 393, 122296. | 12.4 | 73 |
| 70 | Oriented Attachment Kinetics for Ligand Capped Nanocrystals:Â Coarsening of Thiol-PbS Nanoparticles. Journal of Physical Chemistry B, 2007, 111, 1449-1454. | 2.6 | 68 |
| 71 | 3D spatially branched hierarchical Z-scheme CdS-Au nanoclusters-ZnO hybrids with boosted photocatalytic hydrogen evolution. Journal of Alloys and Compounds, 2018, 754, 105-113. | 5.5 | 68 |
| 72 | Sb/C composite as a high-performance anode for sodium ion batteries. Electrochimica Acta, 2017, 242, 159-164. | 5.2 | 67 |

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|---|---|---|---|
| 73 | Biogenic Calcium Carbonate with Hierarchical Organicâ€“Inorganic Composite Structure Enhancing the Removal of Pb(II) from Wastewater. ACS Applied Materials & Interfaces, 2017, 9, 35785-35793. | 8.0 | 67 |
| 74 | Vacancy engineering in nanostructured semiconductors for enhancing photocatalysis. Journal of Materials Chemistry A, 2021, 9, 17143-17172. | 10.3 | 66 |
| 75 | Strategy for Preparing Al-Doped ZnO Thin Film with High Mobility and High Stability. Crystal Growth and Design, 2011, 11, 21-25. | 3.0 | 65 |
| 76 | Influence of lattice integrity and phase composition on the photocatalytic hydrogen production efficiency of ZnS nanomaterials. Nanoscale, 2012, 4, 2859. | 5.6 | 65 |
| 77 | General and Scalable Fabrication of Coreâ€“Shell Metal Sulfides@C Anchored on 3D Nâ€Doped Foam toward Flexible Sodium Ion Batteries. Small, 2019, 15, e1903259. | 10.0 | 62 |
| 78 | The mechanism of uranium transformation from U(VI) into nano-uramphite by two indigenous Bacillus thuringiensis strains. Journal of Hazardous Materials, 2015, 297, 313-319. | 12.4 | 61 |
| 79 | Ferrihydrite transformation under the impact of humic acid and Pb: kinetics, nanoscale mechanisms, and implications for C and Pb dynamics. Environmental Science: Nano, 2019, 6, 747-762. | 4.3 | 59 |
| 80 | Mechanism of As(V) removal by green synthesized iron nanoparticles. Journal of Hazardous Materials, 2019, 379, 120811. | 12.4 | 59 |
| 81 | EDTA-Induced Self-Assembly of 3D Graphene and Its Superior Adsorption Ability for Paraquat Using a Teabag. ACS Applied Materials & Interfaces, 2014, 6, 19766-19773. | 8.0 | 58 |
| 82 | Aggregation-Induced Fast Crystal Growth of SnO<sub>2</sub> Nanocrystals. Journal of the American Chemical Society, 2012, 134, 16228-16234. | 13.7 | 57 |
| 83 | Melamine-assisted synthesis of Fe<sub>3</sub>N featuring highly reversible crystalline-phase transformation for ultrastable sodium ion storage. Journal of Materials Chemistry A, 2020, 8, 6768-6775. | 10.3 | 57 |
| 84 | Global review of phthalates in edible oil: An emerging and nonnegligible exposure source to human. Science of the Total Environment, 2020, 704, 135369. | 8.0 | 56 |
| 85 | Correlation between the Photoluminescence and Oriented Attachment Growth Mechanism of CdS Quantum Dots. Journal of the American Chemical Society, 2010, 132, 9528-9530. | 13.7 | 54 |
| 86 | Remediation of Chromium and Uranium Contamination by Microbial Activity. Elements, 2012, 8, 107-112. | 0.5 | 54 |
| 87 | Nickel Metalâ€“Organic Framework Monolayers for Photoreduction of Diluted CO<sub>2</sub>: Metalâ€Nodeâ€Dependent Activity and Selectivity. Angewandte Chemie, 2018, 130, 17053-17057. | 2.0 | 54 |
| 88 | Pure multistep oriented attachment growth kinetics of surfactant-free SnO2 nanocrystals. Physical Chemistry Chemical Physics, 2009, 11, 8516. | 2.8 | 53 |
| 89 | A Thermodynamically Stable Nanophase Material. Journal of the American Chemical Society, 2006, 128, 6126-6131. | 13.7 | 52 |
| 90 | Effective capture of aqueous uranium from saline lake with magnesium-based binary and ternary layered double hydroxides. Science of the Total Environment, 2019, 677, 556-563. | 8.0 | 51 |

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|---|---|---|---|
| 91 | Research progress in ZnO single-crystal: growth, scientific understanding, and device applications. Science Bulletin, 2014, 59, 1235-1250. | 1.7 | 50 |
| 92 | Photocatalytic debromination of polybrominated diphenyl ethers (PBDEs) on metal doped TiO2 nanocomposites: Mechanisms and pathways. Environment International, 2019, 127, 5-12. | 10.0 | 49 |
| 93 | Boosted photoreduction of diluted CO2 through oxygen vacancy engineering in NiO nanoplatelets. Nano Research, 2021, 14, 730-737. | 10.4 | 49 |
| 94 | Defective magnesium ferrite nano-platelets for the adsorption of As(V): The role of surface hydroxyl groups. Environmental Pollution, 2018, 235, 11-19. | 7.5 | 46 |
| 95 | Preparation of sludge biochar rich in carboxyl/hydroxyl groups by quenching process and its excellent adsorption performance for Cr(VI). Chemosphere, 2021, 285, 131439. | 8.2 | 46 |
| 96 | Adsorption-Induced Crystallization of U-Rich Nanocrystals on Nano-Mg(OH)<sub>2</sub> and the Aqueous Uranyl Enrichment. ACS Applied Materials & Interfaces, 2014, 6, 1301-1305. | 8.0 | 45 |
| 97 | Catalytic hydrodechlorination of triclosan using a new class of anion-exchange-resin supported palladium catalysts. Water Research, 2017, 120, 199-210. | 11.3 | 45 |
| 98 | A Quantitative Model for the Coupled Kinetics of Arsenic Adsorption/Desorption and Oxidation on Manganese Oxides. Environmental Science and Technology Letters, 2018, 5, 175-180. | 8.7 | 44 |
| 99 | Immobilization of cadmium in contaminated soils using sulfidated nanoscale zero-valent iron: Effectiveness and remediation mechanism. Journal of Hazardous Materials, 2021, 420, 126605. | 12.4 | 44 |
| 100 | Friction Coefficients Derived from Apparent Height Variations in Contact Mode Atomic Force Microscopy Images. Langmuir, 1999, 15, 7662-7669. | 3.5 | 43 |
| 101 | Biomineralization mechanism of U(VI) induced by Bacillus cereus 12-2: The role of functional groups and enzymes. Chemosphere, 2018, 206, 682-692. | 8.2 | 43 |
| 102 | Mechanisms and pathways of debromination of polybrominated diphenyl ethers (PBDEs) in various nano-zerovalent iron-based bimetallic systems. Science of the Total Environment, 2019, 661, 18-26. | 8.0 | 42 |
| 103 | Effect of Surface Etching on the Efficiency of ZnO-Based Dye-Sensitized Solar Cells. Langmuir, 2010, 26, 7153-7156. | 3.5 | 41 |
| 104 | Paramagnetic anisotropy of Co-doped ZnO single crystal. Applied Physics Letters, 2006, 89, 112507. | 3.3 | 40 |
| 105 | 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. | 9.1 | 40 |
| 106 | Insights into CO2 adsorption on KOH-activated biochars derived from the mixed sewage sludge and pine sawdust. Science of the Total Environment, 2022, 826, 154133. | 8.0 | 40 |
| 107 | Reversible Switch between Bulk MgCO<sub>3</sub>Â·3H<sub>2</sub>O and Mg(OH)<sub>2</sub> Micro/Nanorods Induces Continuous Selective Preconcentration of Anionic Dyes. ACS Applied Materials & Interfaces, 2013, 5, 7698-7703. | 8.0 | 39 |
| 108 | Rational Design of FeNi Bimetal Modified Covalent Organic Frameworks for Photoconversion of Anthropogenic CO<sub>2</sub> into Widely Tunable Syngas. Small, 2020, 16, e2002985. | 10.0 | 39 |

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|---|---|---|---|
| 109 | Real-time molecular monitoring of chemical environment in obligate anaerobes during oxygen adaptive response. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12599-12604. | 7.1 | 38 |
| 110 | Use of High-Pressure CO<sub>2</sub> for Concentrating Cr<sup>VI</sup> from Electroplating Wastewater by Mgâ€“Al Layered Double Hydroxide. ACS Applied Materials & Interfaces, 2013, 5, 11271-11275. | 8.0 | 38 |
| 111 | Removal of Sb(III) from wastewater by magnesium oxide and the related mechanisms. Environmental Research, 2020, 186, 109489. | 7.5 | 38 |
| 112 | Photoconversion of anthropogenic CO2 into tunable syngas over industrial wastes derived metal-organic frameworks. Applied Catalysis B: Environmental, 2021, 283, 119594. | 20.2 | 38 |
| 113 | High-efficiency adsorption of Cr(VI) and RhB by hierarchical porous carbon prepared from coal gangue. Chemosphere, 2021, 275, 130008. | 8.2 | 38 |
| 114 | Growth and Phase-Transformation Mechanisms of Nanocrystalline CdS in Na<sub>2</sub>S Solution. Journal of Physical Chemistry C, 2008, 112, 9229-9233. | 3.1 | 37 |
| 115 | Tunable surface charge of ZnSâ€‰:â€‰Cu nano-adsorbent induced the selective preconcentration of cationic dyes from wastewater. Nanoscale, 2012, 4, 3665. | 5.6 | 37 |
| 116 | Facile synthesis of recycling Fe3O4/graphene adsorbents with potassium humate for Cr(VI) removal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 560, 384-392. | 4.7 | 37 |
| 117 | Identification of the key host phases of Cr in fresh chromite ore processing residue (COPR). Science of the Total Environment, 2020, 703, 135075. | 8.0 | 37 |
| 118 | Study of interface electric field affecting the photocatalysis of ZnO. Chemical Communications, 2011, 47, 4517. | 4.1 | 35 |
| 119 | Fabrication of titanium phosphate@graphene oxide nanocomposite and its super performance on Eu<sup>3+</sup> recycling. Journal of Materials Chemistry A, 2014, 2, 14979-14985. | 10.3 | 35 |
| 120 | Template-synthesized ultra-thin molecularly imprinted polymers membrane for the selective preconcentration of dyes. Journal of Materials Chemistry A, 2015, 3, 10959-10968. | 10.3 | 35 |
| 121 | Insight into the roles of endogenous minerals in the activation of persulfate by graphitized biochar for tetracycline removal. Science of the Total Environment, 2021, 768, 144281. | 8.0 | 35 |
| 122 | Engineering Ultrafine NiFeâ€LDH into Selfâ€Supporting Nanosheets: Separationâ€andâ€Reunion Strategy to Expose Additional Edge Sites for Oxygen Evolution. Small, 2021, 17, e2103785. | 10.0 | 35 |
| 123 | Evolution of ZnS Nanostructure Morphology under Interfacial Free-Energy Control. Chemistry of Materials, 2008, 20, 2438-2443. | 6.7 | 34 |
| 124 | Treatment of nanowaste via fast crystal growth: With recycling of nano-SnO2 from electroplating sludge as a study case. Journal of Hazardous Materials, 2012, 211-212, 414-419. | 12.4 | 34 |
| 125 | [Ru(bpy) 3 ] 2+ -mediated photoelectrochemical detection of bisphenol A on a molecularly imprinted polypyrrole modified SnO 2 electrode. Analytica Chimica Acta, 2015, 887, 59-66. | 5.4 | 34 |
| 126 | Dopamine adsorption precursor enables N-doped carbon sheathing of MoS2 nanoflowers for all-around enhancement of supercapacitor performance. Journal of Alloys and Compounds, 2017, 693, 955-963. | 5.5 | 34 |

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|---|---|---|---|
| 127 | 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. Environmental Science and Pollution Research, 2018, 25, 3813-3822. | 5.3 | 34 |
| 128 | Coupled Kinetics of Ferrihydrite Transformation and As(V) Sequestration under the Effect of Humic Acids: A Mechanistic and Quantitative Study. Environmental Science & Technology, 2018, 52, 11632-11641. | 10.0 | 34 |
| 129 | Synthesis of CoFe2O4/C nano-catalyst with excellent performance by molten salt method and its application in 4-nitrophenol reduction. Environmental Pollution, 2019, 254, 112961. | 7.5 | 34 |
| 130 | Synthesis of NiFeAl LDHs from electroplating sludge and Their excellent supercapacitor performance. Journal of Hazardous Materials, 2021, 404, 124113. | 12.4 | 34 |
| 131 | â€œIn-situ synthesizedâ€•iron-based bimetal promotes efficient removal of Cr(VI) in by zero-valent iron-loaded hydroxyapatite. Journal of Hazardous Materials, 2021, 420, 126540. | 12.4 | 34 |
| 132 | PCN-224/rGO nanocomposite based photoelectrochemical sensor with intrinsic recognition ability for efficient p-arsanilic acid detection. Environmental Science: Nano, 2019, 6, 207-215. | 4.3 | 33 |
| 133 | Adsorption of low-concentration mercury in water by 3D cyclodextrin/graphene composites: Synergistic effect and enhancement mechanism. Environmental Pollution, 2019, 252, 1133-1141. | 7.5 | 33 |
| 134 | Preparation of 2D nitrogen-doped magnetic Fe3C/C by in-situ self-assembled double-template method for enhanced removal of Cr(VI). Environmental Pollution, 2020, 263, 114374. | 7.5 | 33 |
| 135 | A highly efficient photoelectrochemical sensor for detection of chlorpyrifos based on 2D/2D Î²-Bi<sub>2</sub>O<sub>3</sub>/g-C<sub>3</sub>N<sub>4</sub> heterojunctions. Environmental Science: Nano, 2021, 8, 773-783. | 4.3 | 33 |
| 136 | NaOH Concentration Effect on the Oriented Attachment Growth Kinetics of ZnS. Journal of Physical Chemistry B, 2007, 111, 5290-5294. | 2.6 | 32 |
| 137 | Mn<sub>2</sub>O<sub>3</sub> hollow spheres synthesized based on an ion-exchange strategy from amorphous calcium carbonate for highly efficient trace-level uranyl extraction. Environmental Science: Nano, 2016, 3, 1254-1258. | 4.3 | 32 |
| 138 | Mussel-inspired functionalization of biological calcium carbonate for improving Eu(III) adsorption and the related mechanisms. Chemical Engineering Journal, 2018, 351, 816-824. | 12.7 | 32 |
| 139 | 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. | 8.0 | 32 |
| 140 | Efficient removal of iron from red gypsum via synergistic regulation of gypsum phase transformation and iron speciation. Science of the Total Environment, 2021, 791, 148319. | 8.0 | 32 |
| 141 | The growth and investigation on Ga-doped ZnO single crystals with high thermal stability and high carrier mobility. CrystEngComm, 2011, 13, 3338. | 2.6 | 31 |
| 142 | Emerging investigator series: treatment and recycling of heavy metals from nanosludge. Environmental Science: Nano, 2019, 6, 1657-1673. | 4.3 | 31 |
| 143 | Identification of Cr(VI) speciation in ferrous sulfate-reduced chromite ore processing residue (rCOPR) and impacts of environmental factors erosion on Cr(VI) leaching. Journal of Hazardous Materials, 2019, 373, 389-396. | 12.4 | 31 |
| 144 | Biomimetic inspired porphyrin-based nanoframes for highly efficient photocatalytic CO2 reduction. Chemical Engineering Journal, 2021, 411, 128414. | 12.7 | 31 |

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