

Yi Chen

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

3,527
citations

136740

32
h-index

143772

57
g-index

74
all docs

74
docs citations

74
times ranked

3763
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Phytoplankton response to polystyrene microplastics: Perspective from an entire growth period. <i>Chemosphere</i> , 2018, 208, 59-68. | 4.2 | 434 |
| 2 | International Classification of Retinopathy of Prematurity, Third Edition. <i>Ophthalmology</i> , 2021, 128, e51-e68. | 2.5 | 280 |
| 3 | Occurrence, removal and environmental risk assessment of pharmaceuticals and personal care products in rural wastewater treatment wetlands. <i>Science of the Total Environment</i> , 2016, 566-567, 1660-1669. | 3.9 | 173 |
| 4 | Impacts of chlorothalonil on denitrification and N ₂ O emission in riparian sediments: Microbial metabolism mechanism. <i>Water Research</i> , 2019, 148, 188-197. | 5.3 | 143 |
| 5 | Mechanically triggered reversible stepwise tricolor switching and thermochromism of anthracene- <i>o</i> -carborane dyad. <i>Chemical Science</i> , 2018, 9, 5270-5277. | 3.7 | 134 |
| 6 | Novel lanthanum doped biochars derived from lignocellulosic wastes for efficient phosphate removal and regeneration. <i>Bioresource Technology</i> , 2019, 289, 121600. | 4.8 | 131 |
| 7 | Nanoplastics Disturb Nitrogen Removal in Constructed Wetlands: Responses of Microbes and Macrophytes. <i>Environmental Science & Technology</i> , 2020, 54, 14007-14016. | 4.6 | 128 |
| 8 | Highly efficient nitrate removal in a heterotrophic denitrification system amended with redox-active biochar: A molecular and electrochemical mechanism. <i>Bioresource Technology</i> , 2019, 275, 297-306. | 4.8 | 115 |
| 9 | The Maize <i>DWARF1</i> Encodes a Gibberellin 3-Oxidase and Is Dual Localized to the Nucleus and Cytosol. <i>Plant Physiology</i> , 2014, 166, 2028-2039. | 2.3 | 112 |
| 10 | Broadband solid cloak for underwater acoustics. <i>Physical Review B</i> , 2017, 95, . | 1.1 | 109 |
| 11 | Latticed pentamode acoustic cloak. <i>Scientific Reports</i> , 2015, 5, 15745. | 1.6 | 106 |
| 12 | Metagenomic analysis of the biotoxicity of titanium dioxide nanoparticles to microbial nitrogen transformation in constructed wetlands. <i>Journal of Hazardous Materials</i> , 2020, 384, 121376. | 6.5 | 85 |
| 13 | Impact of biochar on greenhouse gas emissions from constructed wetlands under various influent chemical oxygen demand to nitrogen ratios. <i>Bioresource Technology</i> , 2020, 303, 122908. | 4.8 | 84 |
| 14 | Copper oxide nanoparticles inhibited denitrifying enzymes and electron transport system activities to influence soil denitrification and N ₂ O emission. <i>Chemosphere</i> , 2020, 245, 125394. | 4.2 | 82 |
| 15 | Adsorption behaviors and mechanisms of Fe/Mg layered double hydroxide loaded on bentonite on Cd (II) and Pb (II) removal. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 572-583. | 5.0 | 71 |
| 16 | Self-Optimized Ligand Effect in L1 ₂ -PtPdFe Intermetallic for Efficient and Stable Alkaline Hydrogen Oxidation Reaction. <i>ACS Catalysis</i> , 2020, 10, 15207-15216. | 5.5 | 64 |
| 17 | What Roles Are Terrestrial Plants Playing in Global Microplastic Cycling?. <i>Environmental Science & Technology</i> , 2020, 54, 5325-5327. | 4.6 | 64 |
| 18 | Adsorption behavior of heavy metal ions on a polymer-immobilized amphoteric biosorbent: Surface interaction assessment. <i>Journal of Hazardous Materials</i> , 2021, 403, 123801. | 6.5 | 58 |

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|----|--|-----|-----------|
| 19 | A facile strategy to synthesize three-dimensional Pd@Pt core-shell nanoflowers supported on graphene nanosheets as enhanced nanoelectrocatalysts for methanol oxidation. <i>Chemical Communications</i> , 2015, 51, 10490-10493. | 2.2 | 55 |
| 20 | Low-temperature and one-pot synthesis of sulfurized graphene nanosheets via in situ doping and their superior electrocatalytic activity for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20714-20722. | 5.2 | 54 |
| 21 | Quercetin inhibits choroidal and retinal angiogenesis in vitro. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2008, 246, 373-378. | 1.0 | 53 |
| 22 | Cage carbon-substitute does matter for aggregation-induced emission features of <i>o</i> -carborane-functionalized anthracene triads. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4140-4149. | 2.7 | 49 |
| 23 | Hierarchical architected MnCO ₃ microdumbbells: facile synthesis and enhanced performance for lithium ion batteries. <i>CrystEngComm</i> , 2015, 17, 6450-6455. | 1.3 | 45 |
| 24 | Simultaneous enhancement of treatment performance and energy recovery using pyrite as anodic filling material in constructed wetland coupled with microbial fuel cells. <i>Water Research</i> , 2021, 201, 117333. | 5.3 | 44 |
| 25 | Aging behavior of microplastics affected DOM in riparian sediments: From the characteristics to bioavailability. <i>Journal of Hazardous Materials</i> , 2022, 431, 128522. | 6.5 | 42 |
| 26 | Quercetin Inhibits Vascular Endothelial Growth Factor-Induced Choroidal and Retinal Angiogenesis in vitro. <i>Ophthalmic Research</i> , 2015, 53, 109-116. | 1.0 | 41 |
| 27 | Impacts of carbon-based nanomaterials on nutrient removal in constructed wetlands: Microbial community structure, enzyme activities, and metabolism process. <i>Journal of Hazardous Materials</i> , 2021, 401, 123270. | 6.5 | 41 |
| 28 | Heterogeneous Ensemble for Default Prediction of Peer-to-Peer Lending in China. <i>IEEE Access</i> , 2018, 6, 54396-54406. | 2.6 | 39 |
| 29 | Formation, extracellular polymeric substances, and structural stability of aerobic granules enhanced by granular activated carbon. <i>Environmental Science and Pollution Research</i> , 2019, 26, 6123-6132. | 2.7 | 39 |
| 30 | Synthesis of self-assembling waterborne polyurethane coatings with excellent transmittance. <i>Polymer International</i> , 2018, 67, 78-84. | 1.6 | 38 |
| 31 | Efficacy of Primary Intravitreal Ranibizumab for Retinopathy of Prematurity in China. <i>Ophthalmology</i> , 2017, 124, 408-409. | 2.5 | 35 |
| 32 | Immobilization and stabilization of cholesterol oxidase on modified sepharose particles. <i>International Journal of Biological Macromolecules</i> , 2013, 56, 6-13. | 3.6 | 34 |
| 33 | Acute response of soil denitrification and N ₂ O emissions to chlorothalonil: A comprehensive molecular mechanism. <i>Science of the Total Environment</i> , 2018, 636, 1408-1415. | 3.9 | 33 |
| 34 | Effect of surface free energy and wettability on the adhesion property of waterborne polyurethane adhesive. <i>RSC Advances</i> , 2016, 6, 99346-99352. | 1.7 | 32 |
| 35 | Enhancement of denitrification in biofilters by immobilized biochar under low-temperature stress. <i>Bioresource Technology</i> , 2022, 347, 126664. | 4.8 | 31 |
| 36 | Impact of microplastics on the treatment performance of constructed wetlands: Based on substrate characteristics and microbial activities. <i>Water Research</i> , 2022, 217, 118430. | 5.3 | 31 |

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|----|---|-----|-----------|
| 37 | Mechanical Property and Microstructure of Fly Ash-Based Geopolymer Activated by Sodium Silicate. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 1765-1777. | 0.9 | 28 |
| 38 | Sulfur cycle as an electron mediator between carbon and nitrate in a constructed wetland microcosm. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1. | 3.3 | 25 |
| 39 | Time at Treatment of Severe Retinopathy of Prematurity in China: Recommendations for Guidelines in More Mature Infants. <i>PLoS ONE</i> , 2015, 10, e0116669. | 1.1 | 24 |
| 40 | Theory and Realization of Nonresonant Anisotropic Singly Polarized Solids Carrying Only Shear Waves. <i>Physical Review Applied</i> , 2019, 12, . | 1.5 | 23 |
| 41 | In situ potential measurement in a flow-electrode CDI for energy consumption estimation and system optimization. <i>Water Research</i> , 2021, 203, 117522. | 5.3 | 22 |
| 42 | Recurrence of Retinopathy of Prematurity in Zone II Stage 3+ after Ranibizumab Treatment: A Retrospective Study. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-5. | 0.6 | 21 |
| 43 | Rearrangement of P-N to P-O bonds in mass spectra of N-diisopropoxyphosphoryl amino acids/alcohols. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1936-1940. | 0.7 | 20 |
| 44 | Effect of sodium sulfate on strength and microstructure of alkali-activated fly ash based geopolymer. <i>Journal of Central South University</i> , 2020, 27, 1691-1702. | 1.2 | 19 |
| 45 | Morphologic changes in the anterior chamber in patients with cortical or nuclear age-related cataract. <i>Journal of Cataract and Refractive Surgery</i> , 2011, 37, 77-82. | 0.7 | 18 |
| 46 | Nerve bundle formation during the promotion of peripheral nerve regeneration: collagen VI-neural cell adhesion molecule 1 interaction. <i>Neural Regeneration Research</i> , 2022, 17, 1023. | 1.6 | 17 |
| 47 | The effectiveness of intra-aortic balloon pump for myocardial infarction in patients with or without cardiogenic shock: a meta-analysis and systematic review. <i>BMC Cardiovascular Disorders</i> , 2016, 16, 148. | 0.7 | 16 |
| 48 | Metal-organic framework derived carbon nanoarchitectures for highly efficient flow-electrode CDI desalination. <i>Environmental Research</i> , 2022, 208, 112727. | 3.7 | 16 |
| 49 | ANALYSIS OF CHANGES IN CHARACTERISTICS OF SEVERE RETINOPATHY OF PREMATURE PATIENTS AFTER SCREENING GUIDELINES WERE ISSUED IN CHINA. <i>Retina</i> , 2015, 35, 1674-1679. | 1.0 | 15 |
| 50 | A sensitive porphyrin/reduced graphene oxide electrode for simultaneous detection of guanine and adenine. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2055-2062. | 1.2 | 15 |
| 51 | Preparation and Performance Research on Glutathione Molecularly Imprinted Polymers. <i>Chromatographia</i> , 2011, 74, 443-450. | 0.7 | 13 |
| 52 | Marine algae facilitate transfer of microplastics and associated pollutants into food webs. <i>Science of the Total Environment</i> , 2021, 787, 147535. | 3.9 | 13 |
| 53 | Rearrangement with formamide extrusion in the electrospray mass spectra of aminoacylbenzylamines. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1489-1493. | 0.7 | 12 |
| 54 | Dissolved oxygen stratification changes nitrogen speciation and transformation in a stratified lake. <i>Environmental Science and Pollution Research</i> , 2019, 26, 2898-2907. | 2.7 | 12 |

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|----|---|-----|-----------|
| 55 | Purification of leachate from sludge treatment beds by subsurface flow constructed wetlands: effects of plants and hydraulic retention time. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5769-5781. | 2.7 | 12 |
| 56 | Hydroxyl-decorated ammonium polyphosphate as flame retardant reinforcing agent in solvent-free two-component polyurethane. <i>Polymer International</i> , 2017, 66, 1598-1609. | 1.6 | 9 |
| 57 | A STEPWISE ONE POT SYNTHESIS OF ALKYL THIOPHOSPHORAMIDATE DERIVATIVES OF NUCLEOSIDES. <i>Synthetic Communications</i> , 2002, 32, 1159-1167. | 1.1 | 8 |
| 58 | Scattering Analysis and Optimization of Spherical Acoustic Cloak with Unideal Pentamode Material. <i>Acta Mechanica Solida Sinica</i> , 2020, 33, 347-360. | 1.0 | 8 |
| 59 | Racial differences and factors associated with low femoral neck bone mineral density: an analysis of NHANES 2005-2014 data. <i>Archives of Osteoporosis</i> , 2021, 16, 9. | 1.0 | 7 |
| 60 | Association between metformin use and the risk of age-related macular degeneration in patients with type 2 diabetes: a retrospective study. <i>BMJ Open</i> , 2022, 12, e054420. | 0.8 | 7 |
| 61 | Anterior Segment Neovascularization in Diabetic Retinopathy: A Masquerade. <i>PLoS ONE</i> , 2015, 10, e0123627. | 1.1 | 6 |
| 62 | In situ synthesis of crosslinked-polyaniline nano-pillar arrays/reduced graphene oxide nanocomposites for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 665-671. | 1.2 | 5 |
| 63 | Synthesis, mechanism and efficient modulation of a fluorescence dye by photochromic pyrazolone with energy transfer in the crystalline state. <i>RSC Advances</i> , 2017, 7, 9847-9853. | 1.7 | 5 |
| 64 | A Convenient Two-Step One-Pot Synthesis of Alkylthiophosphoramidates Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 641-646. | 0.8 | 4 |
| 65 | Synthesis and Electrospray Ionization Mass Spectra of Amino Acid Thiophosphoramidates of Nucleoside. <i>Chinese Journal of Chemistry</i> , 2001, 19, 1239-1244. | 2.6 | 4 |
| 66 | Ulk4, a Newly Discovered Susceptibility Gene for Schizophrenia, Regulates Corticogenesis in Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 645368. | 1.8 | 4 |
| 67 | Ocular phenotype and genetical analysis in patients with retinopathy of prematurity. <i>BMC Ophthalmology</i> , 2022, 22, 22. | 0.6 | 2 |
| 68 | Efficacy of conbercept after switching from bevacizumab/ranibizumab in eyes of macular edema secondary to central retinal vein occlusion. <i>International Journal of Ophthalmology</i> , 2022, 15, 609-614. | 0.5 | 2 |
| 69 | Novel Rearrangement of Small Peptides in Electrospray Ionization Tandem Mass Spectrometry. <i>Chinese Journal of Chemistry</i> , 2004, 22, 477-481. | 2.6 | 1 |
| 70 | Deletion of Schizophrenia Susceptibility Gene Ulk4 Leads to Abnormal Cognitive Behaviors via Akt-GSK-3 Signaling Pathway in Mice. <i>Schizophrenia Bulletin</i> , 2022, 48, 804-813. | 2.3 | 1 |
| 71 | Web support for the more efficient discovery of kinase inhibitors. <i>Drug Discovery Today</i> , 2022, , . | 3.2 | 0 |
| 72 | Application of A Mobile Platform-based System for the Management of Fundus Disease in Outpatient Settings. <i>Zhongguo Yi Xue Ke Xue Yuan Xue Bao Acta Academiae Medicinae Sinicae</i> , 2016, 38, 444-52. | 0.2 | 0 |