

John C Crittenden

List of Publications by Year in descending order

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391
papers

26,231
citations

4611

87
h-index

12194

135
g-index

400
all docs

400
docs citations

400
times ranked

26709
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Water consumption in absorption chillers is not negligible: Water-for-cooling consumption of chiller systems for commercial buildings in the United States. Sustainable Energy Technologies and Assessments, 2024, 67, 103827. | 2.9 | 0 |
| 2 | Photo-to-Thermal Conversion Harnessing Low-Energy Photons Renders Efficient Solar CO ₂ Reduction. ACS Applied Materials & Interfaces, 2024, 16, 36247-36254. | 8.3 | 0 |
| 3 | Screening ionic liquids for efficiently extracting perfluoroalkyl chemicals (PFACs) from wastewater. Journal of Environmental Sciences, 2023, 127, 866-874. | 6.3 | 6 |
| 4 | WSe ₂ -loaded co-catalysts Cu ₃ P and CNTs: Improving photocatalytic hydrogen precipitation and photocatalytic memory performance. Journal of Colloid and Interface Science, 2023, 629, 937-947. | 9.6 | 13 |
| 5 | Patent mining on soil pollution remediation technology from the perspective of technological trajectory. Environmental Pollution, 2023, 316, 120661. | 7.7 | 7 |
| 6 | Dissolved organic matter in complex shale gas wastewater analyzed with ESI FT-ICR MS: Typical characteristics and potential of biological treatment. Journal of Hazardous Materials, 2023, 447, 130823. | 12.6 | 13 |
| 7 | Decoupling Electron and Phase Transfer Processes to Enhance Electrochemical Nitrate to Ammonia Conversion by Blending Hydrophobic PTFE Nanoparticles within the Electrocatalyst Layer. Advanced Energy Materials, 2023, 13, . | 22.2 | 14 |
| 8 | Metallic Bi and oxygen vacancy dual active sites enable efficient oxygen activation: Facet-dependent effect and interfacial synergy. Applied Catalysis B: Environmental, 2023, 325, 122349. | 20.7 | 15 |
| 9 | Inactivation of Microcystis aeruginosa by H ₂ O ₂ generated from a carbon black polytetrafluoroethylene gas diffusion electrode in electrolysis by low-amperage electric current. Environmental Pollution, 2023, 324, 121316. | 7.7 | 6 |
| 10 | Biochar-Assisted Catalytic Pyrolysis of Oily Sludge to Attain Harmless Disposal and Residue Utilization for Soil Reclamation. Environmental Science & Technology, 2023, 57, 7063-7073. | 10.5 | 16 |
| 11 | The Minus Approach Can Redefine the Standard of Practice of Drinking Water Treatment. Environmental Science & Technology, 2023, 57, 7150-7161. | 10.5 | 16 |
| 12 | Silver Ion-Exchanged Anionic Metal-Organic Frameworks for Iodine Adsorption: Silver Species Evolution from Ions to Nanoparticles. ACS Applied Nano Materials, 2023, 6, 7206-7217. | 5.2 | 10 |
| 13 | Ru(III)-Periodate for High Performance and Selective Degradation of Aqueous Organic Pollutants: Important Role of Ru(V) and Ru(IV). Environmental Science & Technology, 2023, 57, 12094-12104. | 10.5 | 22 |
| 14 | Unveiling the fates of nitro-transformation products in advanced oxidation process: A DFT-based kinetic model. Chemical Engineering Journal, 2023, 473, 145273. | 13.0 | 4 |
| 15 | Lead recovery from waste CRT funnel glass by mechanochemical reaction with reductive Al powder. Waste Management, 2023, 172, 43-50. | 7.6 | 0 |
| 16 | Vacancy-Rich CoS _x @LDH@Co-NC Catalytic Membrane for Antibiotic Degradation with Mechanistic Insights. Environmental Science & Technology, 2023, 57, 16131-16140. | 10.5 | 37 |
| 17 | Oxidation of phthalate acid esters using hydrogen peroxide and polyoxometalate/graphene hybrids. Journal of Hazardous Materials, 2022, 422, 126867. | 12.6 | 10 |
| 18 | Insights into deep decline of As(III) leachability induced by As(III) partial oxidation during lime stabilization of As-Ca sludge. Journal of Hazardous Materials, 2022, 424, 127575. | 12.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Technology status and trends of industrial wastewater treatment: A patent analysis. Chemosphere, 2022, 288, 132483. | 8.4 | 69 |
| 20 | Synergistic effect of floatable hydroxyapatite-modified biochar adsorption and low-level CaCl ₂ leaching on Cd removal from paddy soil. Science of the Total Environment, 2022, 807, 150872. | 8.2 | 19 |
| 21 | Rapid determination of monopersulfate with bromide ion-catalyzed oxidation of 2, | | |

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|----|--|------|-----------|
| 37 | Electrocatalytic Oxidation Processes for Treatment of Halogenated Organic Pollutants in Aqueous Solution: A Critical Review. ACS ES&T Engineering, 2022, 2, 1756-1775. | 7.8 | 16 |
| 38 | Electrochemical Advanced Oxidation of Perfluorooctanoic Acid: Mechanisms and Process Optimization with Kinetic Modeling. Environmental Science & Technology, 2022, 56, 14409-14417. | 10.5 | 20 |
| 39 | Acid-pretreated red mud for selective catalytic reduction of NO with NH ₃ : Insights into inhibition mechanism of binders. Catalysis Today, 2021, 376, 247-254. | 4.9 | 23 |
| 40 | Has the second "running boom" democratized running? A study on the sociodemographic characteristics of finishers at the world's largest half marathon. Sport in Society, 2021, 24, 659-669. | 1.2 | 5 |
| 41 | Hydrochemical composition, distribution, and sources of typical organic pollutants and metals in Lake Bangong Co, Tibet. Environmental Science and Pollution Research, 2021, 28, 9877-9888. | 5.3 | 5 |
| 42 | An effective process for the recovery of valuable metals from cathode material of lithium-ion batteries by mechanochemical reduction. Resources, Conservation and Recycling, 2021, 168, 105261. | 11.0 | 30 |
| 43 | Effective degradation of aqueous carbamazepine on a novel blue-colored TiO ₂ nanotube arrays membrane filter anode. Journal of Hazardous Materials, 2021, 402, 123530. | 12.6 | 59 |
| 44 | Distribution and source of microplastics in China's second largest reservoir - Danjiangkou Reservoir. Journal of Environmental Sciences, 2021, 102, 74-84. | 6.3 | 92 |
| 45 | Remediation of nitrate contamination by membrane hydrogenotrophic denitrifying biofilm integrated in microbial electrolysis cell. Water Research, 2021, 188, 116498. | 11.4 | 92 |
| 46 | Integration of a Photo-Fenton Reaction and a Membrane Filtration using CS/PAN@FeOOH/g-C ₃ N ₄ Electrospun Nanofibers: Synthesis, Characterization, Self-cleaning Performance and Mechanism. Applied Catalysis B: Environmental, 2021, 281, 119519. | 20.7 | 111 |
| 47 | A bibliometric analysis of industrial wastewater treatments from 1998 to 2019. Environmental Pollution, 2021, 275, 115785. | 7.7 | 102 |
| 48 | A Critical Review of Membrane Wettability in Membrane Distillation from the Perspective of Interfacial Interactions. Environmental Science & Technology, 2021, 55, 1395-1418. | 10.5 | 133 |
| 49 | Policy incentives and social cost of emissions for promoting decentralized energy production: A life cycle cost analysis. Journal of Cleaner Production, 2021, 282, 125394. | 9.5 | 6 |
| 50 | Sacrificial carbon strategy for facile fabrication of highly-dispersed cobalt-silicon nanocomposites: Insight into its performance on the CO and CH ₄ oxidation. Journal of Cleaner Production, 2021, 278, 123920. | 9.5 | 7 |
| 51 | Toward the Next Generation of Sustainable Membranes from Green Chemistry Principles. ACS Sustainable Chemistry and Engineering, 2021, 9, 50-75. | 6.9 | 126 |
| 52 | Extraction of PFOA from dilute wastewater using ionic liquids that are dissolved in N-octanol. Journal of Hazardous Materials, 2021, 404, 124091. | 12.6 | 28 |
| 53 | Electrochemical advanced oxidation for treating ultrafiltration effluent of a landfill leachate system: Impacts of organics and inorganics and economic evaluation. Chemical Engineering Journal, 2021, 413, 127492. | 13.0 | 42 |
| 54 | Understanding the nature of NH ₃ -coordinated active sites and the complete reaction schemes for NH ₃ -SCR using Cu-SAPO-34 catalysts. Physical Chemistry Chemical Physics, 2021, 23, 4700-4710. | 2.9 | 9 |

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|----|---|------|-----------|
| 55 | Review of Advances in Engineering Nanomaterial Adsorbents for Metal Removal and Recovery from Water: Synthesis and Microstructure Impacts. ACS ES&T Engineering, 2021, 1, 623-661. | 7.8 | 67 |
| 56 | Multipollutant Control (MPC) of Flue Gas from Stationary Sources Using SCR Technology: A Critical Review. Environmental Science & Technology, 2021, 55, 2743-2766. | 10.5 | 139 |
| 57 | Computerized Pathway Generator for the UV/Free Chlorine Process: Prediction of Byproducts and Reactions. Environmental Science & Technology, 2021, 55, 2608-2617. | 10.5 | 8 |
| 58 | Multidisciplinary design optimization of distributed energy generation systems: The trade-offs between life cycle environmental and economic impacts. Applied Energy, 2021, 284, 116197. | 10.3 | 26 |
| 59 | Critical Review of Advances in Engineering Nanomaterial Adsorbents for Metal Removal and Recovery from Water: Mechanism Identification and Engineering Design. Environmental Science & Technology, 2021, 55, 4287-4304. | 10.5 | 119 |
| 60 | Tannic acid-metal complex modified MXene membrane for contaminants removal from water. Journal of Membrane Science, 2021, 622, 119042. | 8.3 | 65 |
| 61 | Dissolution and separation of non-metallic powder from printed circuit boards by using chloride solvent. Waste Management, 2021, 123, 60-68. | 7.6 | 3 |
| 62 | Forward Solute Transport in Forward Osmosis Using a Freestanding Graphene Oxide Membrane. Environmental Science & Technology, 2021, 55, 6290-6298. | 10.5 | 11 |
| 63 | Optical density inferences in aqueous solution with embedded micro/nano bubbles: A reminder for the emerging green bubble cleantech. Journal of Cleaner Production, 2021, 294, 126258. | 9.5 | 6 |
| 64 | Nanofluidic Membranes to Address the Challenges of Salinity Gradient Power Harvesting. ACS Nano, 2021, 15, 5838-5860. | 15.3 | 113 |
| 65 | Green Synthesis of Mesoporous Sodalite and Graphene Oxide Hybrid Sodalite Using Lithium Silica Fume Waste. ACS Sustainable Chemistry and Engineering, 2021, 9, 5085-5094. | 6.9 | 13 |
| 66 | Microwave-assisted chemical recovery of glass fiber and epoxy resin from non-metallic components in waste printed circuit boards. Waste Management, 2021, 124, 8-16. | 7.6 | 25 |
| 67 | Enhanced photocatalytic H ₂ evolution over In ₂ S ₃ via decoration with GO and Fe ₂ P co-catalysts. International Journal of Hydrogen Energy, 2021, 46, 18376-18390. | 7.2 | 26 |
| 68 | Research progress on the impact of flood discharge atomization on the ecological environment. Natural Hazards, 2021, 108, 1415-1426. | 3.4 | 6 |
| 69 | Multi-functional tannic acid (TA)-Ferric complex coating for forward osmosis membrane with enhanced micropollutant removal and antifouling property. Journal of Membrane Science, 2021, 626, 119171. | 8.3 | 27 |
| 70 | Organics removal from shale gas wastewater by pre-oxidation combined with biologically active filtration. Water Research, 2021, 196, 117041. | 11.4 | 53 |
| 71 | Influence of the Exclusion-Enrichment Effect on Ion Transport in Two-Dimensional Molybdenum Disulfide Membranes. ACS Applied Materials & Interfaces, 2021, 13, 26904-26914. | 8.3 | 8 |
| 72 | Fabrication of Nanohybrid Spinel@CuO Catalysts for Propane Oxidation: Modified Spinel and Enhanced Activity by Temperature-Dependent Acid Sites. ACS Applied Materials & Interfaces, 2021, 13, 27106-27118. | 8.3 | 33 |

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|----|--|------|-----------|
| 73 | Accelerating Fe(â...Ç)/Fe(â...j) cycle via Fe(â...j) substitution for enhancing Fenton-like performance of Fe-MOFs. Applied Catalysis B: Environmental, 2021, 286, 119859. | 20.7 | 161 |
| 74 | Degradation of Trimethoprim Using the UV/Free Chlorine Process: Influencing Factors and Optimal Operating Conditions. Water (Switzerland), 2021, 13, 1656. | 2.8 | 6 |
| 75 | Green and sustainable method of manufacturing anti-fouling zwitterionic polymers-modified poly(vinyl chloride) ultrafiltration membranes. Journal of Colloid and Interface Science, 2021, 591, 343-351. | 9.6 | 33 |
| 76 | Rice husk-derived biochar can aggravate arsenic mobility in ferrous-rich groundwater during oxygenation. Water Research, 2021, 200, 117264. | 11.4 | 19 |
| 77 | Does microplastic really represent a threat? A review of the atmospheric contamination sources and potential impacts. Science of the Total Environment, 2021, 777, 146020. | 8.2 | 70 |
| 78 | Combined Heat and Power May Conflict with Decarbonization Goalsâ€”Air Emissions of Natural Gas Combined Cycle Power versus Combined Heat and Power Systems for Commercial Buildings. Environmental Science & Technology, 2021, 55, 10645-10653. | 10.5 | 6 |
| 79 | Cation-Ï€ induced surface cleavage of organic pollutants with â...OH formation from H2O for water treatment. IScience, 2021, 24, 102874. | 4.1 | 22 |
| 80 | Recovery of Critical Metals from Aqueous Sources. ACS Sustainable Chemistry and Engineering, 2021, 9, 11616-11634. | 6.9 | 52 |
| 81 | Accelerating Fe^{III}-Aqua Complex Reduction in an Efficient Solidâ€”Liquid-Interfacial Fenton Reaction over the Mnâ€”CNH Co-catalyst at Near-Neutral pH. Environmental Science & Technology, 2021, 55, 13326-13334. | 10.5 | 12 |
| 82 | A novel lanthanum-modified copper tailings adsorbent for phosphate removal from water. Chemosphere, 2021, 281, 130779. | 8.4 | 21 |
| 83 | Ferric ion promoted degradation of acetaminophen with zero-valent copper activated peroxymonosulfate process. Chemical Engineering Journal, 2021, 426, 131679. | 13.0 | 28 |
| 84 | Strong degradation of orange II by activation of peroxymonosulfate using combination of ferrous ion and zero-valent copper. Separation and Purification Technology, 2021, 278, 119509. | 8.1 | 17 |
| 85 | Key intermediates from simultaneous removal of NO_x and chlorobenzene over a V₂O₅-WO₃/TiO₂ catalyst: a combined experimental and DFT study. Catalysis Science and Technology, 2021, 11, 7260-7267. | 4.2 | 12 |
| 86 | Insight into the promotion mechanism of activated carbon on the monolithic honeycomb red mud catalyst for selective catalytic reduction of NOx. Frontiers of Environmental Science and Engineering, 2021, 15, 1. | 6.1 | 16 |
| 87 | High Concentration Organic Wastewater with High Phosphorus Treatment by Facultative MBR. Water (Switzerland), 2021, 13, 2902. | 2.8 | 1 |
| 88 | Spatial variations and periodic changes in heavy metals in surface water and sediments of the Three Gorges Reservoir, China. Chemosphere, 2020, 240, 124837. | 8.4 | 53 |
| 89 | Synergistic activation of peroxymonosulfate and persulfate by ferrous ion and molybdenum disulfide for pollutant degradation: Theoretical and experimental studies. Chemosphere, 2020, 240, 124979. | 8.4 | 77 |
| 90 | Enhanced persulfate oxidation of organic pollutants and removal of total organic carbons using natural magnetite and microwave irradiation. Chemical Engineering Journal, 2020, 383, 123140. | 13.0 | 53 |

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|-----|--|------|-----------|
| 91 | Non-negligible risk of chloropicrin formation during chlorination with the UV/persulfate pretreatment process in the presence of low concentrations of nitrite. <i>Water Research</i> , 2020, 168, 115194. | 11.4 | 56 |
| 92 | Cerebellar Arteriovenous Malformation Rupture Despite Apparent Angiographic Obliteration. <i>World Neurosurgery</i> , 2020, 134, 25-32. | 1.5 | 1 |
| 93 | Unique applications and improvements of reverse electrodialysis: A review and outlook. <i>Applied Energy</i> , 2020, 262, 114482. | 10.3 | 111 |
| 94 | Degradation kinetics of target compounds and correlations with spectral indices during UV/H ₂ O ₂ post-treatment of biologically treated acrylonitrile wastewater. <i>Chemosphere</i> , 2020, 243, 125384. | 8.4 | 14 |
| 95 | Thermolytic osmotic heat engine for low-grade heat harvesting: Thermodynamic investigation and potential application exploration. <i>Applied Energy</i> , 2020, 259, 114192. | 10.3 | 12 |
| 96 | Promotion mechanism of natural clay colloids in the adsorption of arsenite on iron oxide particles in water. <i>Chemical Engineering Journal</i> , 2020, 392, 123637. | 13.0 | 22 |
| 97 | Parametric life cycle assessment for distributed combined cooling, heating and power integrated with solar energy and energy storage. <i>Journal of Cleaner Production</i> , 2020, 250, 119483. | 9.5 | 35 |
| 98 | Removal of gaseous elemental mercury using thermally catalytic chlorite-persulfate complex. <i>Chemical Engineering Journal</i> , 2020, 391, 123508. | 13.0 | 29 |
| 99 | Efficient sulfadiazine degradation via in-situ epitaxial grow of Graphitic Carbon Nitride (g-C ₃ N ₄) on carbon dots heterostructures under visible light irradiation: Synthesis, mechanisms and toxicity evaluation. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 696-707. | 9.6 | 87 |
| 100 | Irregular influence of alkali metals on Cu-SAPO-34 catalyst for selective catalytic reduction of NO _x with ammonia. <i>Journal of Hazardous Materials</i> , 2020, 387, 122007. | 12.6 | 38 |
| 101 | Modified red mud catalyst for the selective catalytic reduction of nitrogen oxides: Impact mechanism of cerium precursors on surface physicochemical properties. <i>Chemosphere</i> , 2020, 257, 127215. | 8.4 | 29 |
| 102 | Highly Efficient and Selective Hg(II) Removal from Water Using Multilayered Ti ₃ C ₂ O _x MXene via Adsorption Coupled with Catalytic Reduction Mechanism. <i>Environmental Science & Technology</i> , 2020, 54, 16212-16220. | 10.5 | 101 |
| 103 | On-Site Treatment of Shale Gas Flowback and Produced Water in Sichuan Basin by Fertilizer Drawn Forward Osmosis for Irrigation. <i>Environmental Science & Technology</i> , 2020, 54, 10926-10935. | 10.5 | 29 |
| 104 | Rare Earth Elements Occurrence and Economical Recovery Strategy from Shale Gas Wastewater in the Sichuan Basin, China. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11914-11920. | 6.9 | 43 |
| 105 | Why Was My Paper Rejected without Review?. <i>Environmental Science & Technology</i> , 2020, 54, 11641-11644. | 10.5 | 10 |
| 106 | Development of a highly efficient electrochemical flow-through anode based on inner in-site enhanced TiO ₂ -nanotubes array. <i>Environment International</i> , 2020, 140, 105813. | 10.1 | 49 |
| 107 | Quantitative structure-activity relationship models for predicting singlet oxygen reaction rate constants of dissociating organic compounds. <i>Science of the Total Environment</i> , 2020, 735, 139498. | 8.2 | 21 |
| 108 | Efficient degradation of lomefloxacin by Co-Cu-LDH activating peroxymonosulfate process: Optimization, dynamics, degradation pathway and mechanism. <i>Journal of Hazardous Materials</i> , 2020, 399, 122966. | 12.6 | 105 |

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|-----|--|------|-----------|
| 109 | Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater – a perspective. <i>Environmental Science: Nano</i> , 2020, 7, 2178-2194. | 4.2 | 80 |
| 110 | Rational tuning towards A/B-sites double-occupying cobalt on tri-metallic spinel: Insights into its catalytic activity on toluene catalytic oxidation. <i>Chemical Engineering Journal</i> , 2020, 399, 125792. | 13.0 | 35 |
| 111 | Adsorption mechanism for removing different species of fluoride by designing of core-shell boehmite. <i>Journal of Hazardous Materials</i> , 2020, 394, 122555. | 12.6 | 58 |
| 112 | The mechanism of microwave-induced mineral transformation and stabilization of arsenic in realgar tailings using ferrous sulfate. <i>Chemical Engineering Journal</i> , 2020, 393, 124732. | 13.0 | 17 |
| 113 | Contrasting abiotic As(III) immobilization by undissolved and dissolved fractions of biochar in Ca ²⁺ -rich groundwater under anoxic conditions. <i>Water Research</i> , 2020, 183, 116106. | 11.4 | 45 |
| 114 | Simultaneous sulfamethazine oxidation and bromate reduction by Pd-mediated Z-scheme Bi ₂ MoO ₆ /g-C ₃ N ₄ photocatalysts: Synergetic mechanism and degradative pathway. <i>Chemical Engineering Journal</i> , 2020, 401, 126061. | 13.0 | 39 |
| 115 | Thermodynamic analysis of a solar thermal facilitated membrane seawater desalination process. <i>Journal of Cleaner Production</i> , 2020, 256, 120398. | 9.5 | 22 |
| 116 | Degradation of thiacloprid via unactivated peroxymonosulfate: The overlooked singlet oxygen oxidation. <i>Chemical Engineering Journal</i> , 2020, 388, 124264. | 13.0 | 110 |
| 117 | Photocatalytic water splitting of ternary graphene-like photocatalyst for the photocatalytic hydrogen production. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1. | 6.1 | 24 |
| 118 | Biomass combustion: Environmental impact of various precombustion processes. <i>Journal of Cleaner Production</i> , 2020, 261, 121217. | 9.5 | 25 |
| 119 | Distinctive Bimetallic Oxides for Enhanced Catalytic Toluene Combustion: Insights into the Tunable Fabrication of Mn ²⁺ /Ce Hollow Structure. <i>ChemCatChem</i> , 2020, 12, 2872-2879. | 3.8 | 30 |
| 120 | Insights into modified red mud for the selective catalytic reduction of NO _x : Activation mechanism of targeted leaching. <i>Journal of Hazardous Materials</i> , 2020, 394, 122536. | 12.6 | 35 |
| 121 | Study on the Transport Mechanism of a Freestanding Graphene Oxide Membrane for Forward Osmosis. <i>Environmental Science & Technology</i> , 2020, 54, 5802-5812. | 10.5 | 19 |
| 122 | NH ₃ -SCR performance of WO ₃ blanketed CeO ₂ with different morphology: Balance of surface reducibility and acidity. <i>Catalysis Today</i> , 2019, 332, 42-48. | 4.9 | 85 |
| 123 | Distribution characteristics and pollution risk evaluation of the nitrogen and phosphorus species in the sediments of Lake Erhai, Southwest China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22295-22304. | 5.3 | 29 |
| 124 | The synergistic mechanism of NO _x and chlorobenzene degradation in municipal solid waste incinerators. <i>Catalysis Science and Technology</i> , 2019, 9, 4286-4292. | 4.2 | 41 |
| 125 | Can virtual water trade save water resources?. <i>Water Research</i> , 2019, 163, 114848. | 11.4 | 65 |
| 126 | Seven Approaches to Manage Complex Coupled Human and Natural Systems: A Sustainability Toolbox. <i>Environmental Science & Technology</i> , 2019, 53, 9341-9351. | 10.5 | 17 |

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|-----|--|------|-----------|
| 127 | Fabrication of the flower-flake-like CuBi ₂ O ₄ /Bi ₂ WO ₆ heterostructure as efficient visible-light driven photocatalysts: Performance, kinetics and mechanism insight. <i>Applied Surface Science</i> , 2019, 495, 143521. | 6.3 | 109 |
| 128 | A Critical Review on Energy Conversion and Environmental Remediation of Photocatalysts with Remodeling Crystal Lattice, Surface, and Interface. <i>ACS Nano</i> , 2019, 13, 9811-9840. | 15.3 | 365 |
| 129 | pH Dependence of Arsenic Oxidation by Rice-Husk-Derived Biochar: Roles of Redox-Active Moieties. <i>Environmental Science & Technology</i> , 2019, 53, 9034-9044. | 10.5 | 202 |
| 130 | Simultaneous Removal of SO ₂ and NO Using a Novel Method of Ultraviolet Irradiating Chlorite-Ammonia Complex. <i>Environmental Science & Technology</i> , 2019, 53, 9014-9023. | 10.5 | 54 |
| 131 | Development of a Three-Dimensional Electrochemical System Using a Blue TiO ₂ /SnO ₂ -Sb ₂ O ₃ Anode for Treating Low-Ionic-Strength Wastewater. <i>Environmental Science & Technology</i> , 2019, 53, 13784-13793. | 10.5 | 48 |
| 132 | Resource Recovery and Reuse for Hydraulic Fracturing Wastewater in Unconventional Shale Gas and Oil Extraction. <i>Environmental Science & Technology</i> , 2019, 53, 13547-13548. | 10.5 | 26 |
| 133 | Research Development on Sustainable Urban Infrastructure From 1991 to 2017: A Bibliometric Analysis to Inform Future Innovations. <i>Earth's Future</i> , 2019, 7, 718-733. | 6.2 | 40 |
| 134 | Nanomaterial Adsorbent Design: From Bench Scale Tests to Engineering Design. <i>Environmental Science & Technology</i> , 2019, 53, 10537-10538. | 10.5 | 34 |
| 135 | Deep Dehalogenation of Florfenicol Using Crystalline CoP Nanosheet Arrays on a Ti Plate via Direct Cathodic Reduction and Atomic H. <i>Environmental Science & Technology</i> , 2019, 53, 11932-11940. | 10.5 | 83 |
| 136 | Phase-Mediated Heavy Metal Adsorption from Aqueous Solutions Using Two-Dimensional Layered MoS ₂ . <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38789-38797. | 8.3 | 85 |
| 137 | Heterogeneous degradation of carbamazepine by Prussian blue analogues in the interlayers of layered double hydroxides: performance, mechanism and toxicity evaluation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 342-352. | 10.5 | 79 |
| 138 | Tuning Pb(II) Adsorption from Aqueous Solutions on Ultrathin Iron Oxychloride (FeOCl) Nanosheets. <i>Environmental Science & Technology</i> , 2019, 53, 2075-2085. | 10.5 | 130 |
| 139 | Measuring urban environmental sustainability performance in China: A multi-scale comparison among different cities, urban clusters, and geographic regions. <i>Cities</i> , 2019, 94, 200-210. | 5.8 | 45 |
| 140 | Smart ultrafiltration membrane fouling control as desalination pretreatment of shale gas fracturing wastewater: The effects of backwash water. <i>Environment International</i> , 2019, 130, 104869. | 10.1 | 35 |
| 141 | Electrochemical degradation of methylisothiazolinone by using Ti/SnO ₂ -Sb ₂ O ₃ /PbO ₂ electrode: Kinetics, energy efficiency, oxidation mechanism and degradation pathway. <i>Chemical Engineering Journal</i> , 2019, 374, 626-636. | 13.0 | 146 |
| 142 | Mining of the association rules between industrialization level and air quality to inform high-quality development in China. <i>Journal of Environmental Management</i> , 2019, 246, 564-574. | 7.9 | 78 |
| 143 | Modified Silica Adsorbents for Toluene Adsorption under Dry and Humid Conditions: Impacts of Pore Size and Surface Chemistry. <i>Langmuir</i> , 2019, 35, 8927-8934. | 3.7 | 25 |
| 144 | Deactivation Mechanism of Multipoisons in Cement Furnace Flue Gas on Selective Catalytic Reduction Catalysts. <i>Environmental Science & Technology</i> , 2019, 53, 6937-6944. | 10.5 | 86 |

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|-----|--|------|-----------|
| 145 | Hormesis effects of phosphorus on the viability of <i>Chlorella regularis</i> cells under nitrogen limitation. <i>Biotechnology for Biofuels</i> , 2019, 12, 121. | 6.3 | 33 |
| 146 | The individual and Co-exposure degradation of benzophenone derivatives by UV/H ₂ O ₂ and UV/PDS in different water matrices. <i>Water Research</i> , 2019, 159, 102-110. | 11.4 | 84 |
| 147 | Using the Green Solvent Dimethyl Sulfoxide To Replace Traditional Solvents Partly and Fabricating PVC/PVC- <i>g</i> -PEGMA Blended Ultrafiltration Membranes with High Permeability and Rejection. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6413-6423. | 3.8 | 67 |
| 148 | Enhanced photocatalytic ozonation of organic pollutants using an iron-based metal-organic framework. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 66-75. | 20.7 | 170 |
| 149 | Dietary Uptake Patterns Affect Bioaccumulation and Biomagnification of Hydrophobic Organic Compounds in Fish. <i>Environmental Science & Technology</i> , 2019, 53, 4274-4284. | 10.5 | 47 |
| 150 | Oxidation Mechanisms of the UV/Free Chlorine Process: Kinetic Modeling and Quantitative Structure Activity Relationships. <i>Environmental Science & Technology</i> , 2019, 53, 4335-4345. | 10.5 | 73 |
| 151 | Sea-urchin-structure <i>g</i> -C ₃ N ₄ with narrow bandgap (E _g 2.0eV) for efficient overall water splitting under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2019, 249, 275-281. | 20.7 | 117 |
| 152 | Evaluation of eutrophication in freshwater lakes: A new non-equilibrium statistical approach. <i>Ecological Indicators</i> , 2019, 102, 686-692. | 6.4 | 45 |
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