

Given Names Deactivated Family Name

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,735
citations

257450

24
h-index

361022

35
g-index

35
all docs

35
docs citations

35
times ranked

1684
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A review of advances in multifunctional XTiO ₃ perovskite-type oxides as piezo-photocatalysts for environmental remediation and energy production. <i>Journal of Hazardous Materials</i> , 2022, 421, 126792. | 12.4 | 62 |
| 2 | Sonoprocessing: From Concepts to Large-Scale Reactors. <i>Chemical Reviews</i> , 2022, 122, 3219-3258. | 47.7 | 61 |
| 3 | Heat and ZnCl ₂ chemical carbonization of date stone as an adsorbent: optimization of material fabrication parameters and adsorption studies. <i>Environmental Science and Pollution Research</i> , 2022, 29, 46038-46048. | 5.3 | 5 |
| 4 | Visible light responsive heterostructure HTDMA-BiPO ₄ modified clays for effective diclofenac sodium oxidation: Role of interface interactions and basal spacing. <i>Journal of Water Process Engineering</i> , 2022, 48, 102788. | 5.6 | 14 |
| 5 | Sustainable purification of phosphoric acid contaminated with Cr(VI) by Ag/Ag ₃ PO ₄ coated activated carbon/montmorillonite under UV and solar light: Materials design and photocatalytic mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107870. | 6.7 | 22 |
| 6 | Utilization of electrochemical treatment and surface reconstruction to achieve long lasting catalyst for NO _x removal. <i>Journal of Hazardous Materials</i> , 2021, 401, 123440. | 12.4 | 21 |
| 7 | Ultrafast conversion of carcinogenic 4-nitrophenol into 4-aminophenol in the dark catalyzed by surface interaction on BiPO ₄ /g-C ₃ N ₄ nanostructures in the presence of NaBH ₄ . <i>RSC Advances</i> , 2021, 11, 18797-18808. | 3.6 | 14 |
| 8 | Comparative Photo-Electrochemical and Photocatalytic Studies with Nanosized TiO ₂ Photocatalysts towards Organic Pollutants Oxidation. <i>Catalysts</i> , 2021, 11, 349. | 3.5 | 7 |
| 9 | Recent advances in hybrid wet scrubbing techniques for NO _x and SO ₂ removal: State of the art and future research. <i>Chemosphere</i> , 2021, 273, 129695. | 8.2 | 45 |
| 10 | SWOT analysis of photocatalytic materials towards large scale environmental remediation. <i>Current Opinion in Chemical Engineering</i> , 2021, 33, 100696. | 7.8 | 51 |
| 11 | Comparison of the photoactivity of several semiconductor oxides in floating aerogel and suspension systems towards the reduction of Cr(VI) under visible light. <i>Chemosphere</i> , 2021, 281, 130839. | 8.2 | 34 |
| 12 | Intensification of nickel recovery from water using an electrically driven hybrid process: continuous electropermutation. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 2003-2012. | 2.2 | 6 |
| 13 | FeS@rGO nanocomposites as electrocatalysts for enhanced chromium removal and clean energy generation by microbial fuel cell. <i>Chemical Engineering Journal</i> , 2020, 384, 123335. | 12.7 | 66 |
| 14 | Recovery of Phosphorus from Hypophosphite-Laden Wastewater: A Single-Compartment Photoelectrocatalytic Cell System Integrating Oxidation and Precipitation. <i>Environmental Science & Technology</i> , 2020, 54, 1204-1213. | 10.0 | 25 |
| 15 | Synthesis of magnetic recoverable electron-rich TCTA@PVP based conjugated polymer for photocatalytic water remediation and disinfection. <i>Separation and Purification Technology</i> , 2020, 250, 116954. | 7.9 | 29 |
| 16 | Visible light responsive photoactive polymer supported on carbonaceous biomass for photocatalytic water remediation. <i>Journal of Cleaner Production</i> , 2020, 269, 122286. | 9.3 | 34 |
| 17 | Recovery of phosphorus and metallic nickel along with HCl production from electroless nickel plating effluents: The key role of three-compartment photoelectrocatalytic cell system. <i>Journal of Hazardous Materials</i> , 2020, 394, 122559. | 12.4 | 16 |
| 18 | Digitally Printed AgNPs Doped TiO ₂ on Commercial Porcelain-Gr ^Å 's Tiles: Synergistic Effects and Continuous Photocatalytic Antibacterial Activity. <i>Surfaces</i> , 2020, 3, 11-25. | 2.3 | 18 |

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|----|--|------|-----------|
| 19 | Electrochemical sensor based on ZIF-8@dimethylglyoxime and β -cyclodextrin modified reduced graphene oxide for nickel (II) detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128091. | 7.8 | 32 |
| 20 | Sustainable self-floating lignocellulosic biomass-TiO ₂ @Aerogel for outdoor solar photocatalytic Cr(VI) reduction. <i>Separation and Purification Technology</i> , 2019, 229, 115830. | 7.9 | 36 |
| 21 | Fe ₃ O ₄ Nanoparticles Coated with EDTA and Ag Nanoparticles for the Catalytic Reduction of Organic Dyes from Wastewater. <i>ACS Applied Nano Materials</i> , 2019, 2, 5310-5319. | 5.0 | 83 |
| 22 | Enhancement of Ni/NiO/graphitized carbon and β -Cyclodextrin/reduced graphene oxide for the electrochemical detection of norfloxacin in water sample. <i>Journal of Electroanalytical Chemistry</i> , 2019, 851, 113407. | 3.8 | 18 |
| 23 | Unravelling the mechanistic role of Ti O C bonding bridge at titania/lignocellulosic biomass interface for Cr(VI) photoreduction under visible light. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 409-417. | 9.4 | 76 |
| 24 | Sustainable and easy recoverable magnetic TiO ₂ -Lignocellulosic Biomass@Fe ₃ O ₄ for solar photocatalytic water remediation. <i>Journal of Cleaner Production</i> , 2019, 233, 841-847. | 9.3 | 68 |
| 25 | Carbonaceous biomass-titania composites with Ti O C bonding bridge for efficient photocatalytic reduction of Cr(VI) under narrow visible light. <i>Chemical Engineering Journal</i> , 2019, 366, 172-180. | 12.7 | 113 |
| 26 | Enhanced photoelectrocatalytic degradation of 2,4-dichlorophenol by TiO ₂ /Ru-IrO ₂ bifacial electrode. <i>Chemical Engineering Journal</i> , 2018, 343, 69-77. | 12.7 | 58 |
| 27 | Electro-Microbiology as a Promising Approach Towards Renewable Energy and Environmental Sustainability. <i>Energies</i> , 2018, 11, 1822. | 3.1 | 55 |
| 28 | Intensification of heterogeneous TiO ₂ photocatalysis using an innovative micro-meso-structured-reactor for Cr(VI) reduction under simulated solar light. <i>Chemical Engineering Journal</i> , 2017, 318, 76-88. | 12.7 | 76 |
| 29 | Simultaneous Removal of Methylene Blue and Hexavalent Chromium From Water Using TiO ₂ /Fe(III)/H ₂ O ₂ /Sunlight. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1500379. | 1.1 | 30 |
| 30 | Photocatalytic reduction of Cr(VI) over TiO ₂ -coated cellulose acetate monolithic structures using solar light. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 18-30. | 20.2 | 187 |
| 31 | Cr(VI) photocatalytic reduction under sunlight followed by Cr(III) extraction from TiO ₂ surface. <i>Materials Letters</i> , 2016, 176, 106-109. | 2.6 | 73 |
| 32 | Enhanced Photoelectrocatalytic Decomposition of Copper Cyanide Complexes and Simultaneous Recovery of Copper with a Bi ₂ MoO ₆ Electrode under Visible Light by EDTA/K ₄ P ₂ O ₇ . <i>Environmental Science & Technology</i> , 2015, 49, 4567-4574. | 10.0 | 45 |
| 33 | Simultaneous destruction of Nickel (II)-EDTA with TiO ₂ /Ti film anode and electrodeposition of nickel ions on the cathode. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 478-485. | 20.2 | 95 |
| 34 | Photoelectrocatalytic Oxidation of Cu ^{II} â€“EDTA at the TiO ₂ Electrode and Simultaneous Recovery of Cu ^{II} by Electrodeposition. <i>Environmental Science & Technology</i> , 2013, 47, 4480-4488. | 10.0 | 151 |