

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	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
2	Photoelectrocatalytic Oxidation of Cu ^{II} -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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Sonoprocessing: From Concepts to Large-Scale Reactors. <i>Chemical Reviews</i> , 2022, 122, 3219-3258.	47.7	61
13	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
14	Electro-Microbiology as a Promising Approach Towards Renewable Energy and Environmental Sustainability. <i>Energies</i> , 2018, 11, 1822.	3.1	55
15	SWOT analysis of photocatalytic materials towards large scale environmental remediation. <i>Current Opinion in Chemical Engineering</i> , 2021, 33, 100696.	7.8	51
16	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 ₂ P ₂ O ₇ . <i>Environmental Science & Technology</i> , 2015, 49, 4567-4574.	10.0	45
17	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
18	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

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19	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
20	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
21	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
22	Simultaneous Removal of Methylene Blue and Hexavalent Chromium From Water Using $\text{TiO}_2/\text{Fe(III)/H}_2\text{O}_2/\text{Sunlight}$. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1500379.	1.1	30
23	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
24	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
25	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
26	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
27	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
28	Digitally Printed AgNPs Doped TiO ₂ on Commercial Porcelain-Grain Tiles: Synergistic Effects and Continuous Photocatalytic Antibacterial Activity. <i>Surfaces</i> , 2020, 3, 11-25.	2.3	18
29	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
30	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
31	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
32	Comparative Photo-Electrochemical and Photocatalytic Studies with Nanosized TiO ₂ Photocatalysts towards Organic Pollutants Oxidation. <i>Catalysts</i> , 2021, 11, 349.	3.5	7
33	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
34	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