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List of Publications by Year
in descending order

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52 papers	1,341 citations	331259 21 h-index	377514 34 g-index
52 all docs	52 docs citations	52 times ranked	1718 citing authors

#	Article	IF	Citations
1	Photocatalytic treatment of pharmaceutical wastewater using new multiwall-carbon nanotubes/TiO2/SiO2 nanocomposites. Environmental Research, 2015, 137, 176-184.	3.7	89
2	Application of biochar to sewage sludge reduces toxicity and improve organisms growth in sewage sludge-amended soil in long term field experiment. Science of the Total Environment, 2018, 625, 8-15.	3.9	75
3	Occurrence and toxicity of polycyclic aromatic hydrocarbons derivatives in environmental matrices. Science of the Total Environment, 2021, 788, 147738.	3.9	74
4	Engineered biochars from organic wastes for the adsorption of diclofenac, naproxen and triclosan from water systems. Journal of Cleaner Production, 2021, 288, 125686.	4.6	73
5	TiO2-assisted photocatalytic degradation of diclofenac, metoprolol, estrone and chloramphenicol as endocrine disruptors in water. Adsorption, 2013, 19, 619-630.	1.4	70
6	SnO2@ZnS photocatalyst with enhanced photocatalytic activity for the degradation of selected pharmaceuticals and personal care products in model wastewater. Journal of Alloys and Compounds, 2020, 827, 154339.	2.8	64
7	Application of different carrying gases and ratio between sewage sludge and willow for engineered (smart) biochar production. Journal of CO2 Utilization, 2019, 29, 20-28.	3.3	56
8	Adsorption capacity of phenanthrene and pyrene to engineered carbon-based adsorbents produced from sewage sludge or sewage sludge-biomass mixture in various gaseous conditions. Bioresource Technology, 2019, 280, 421-429.	4.8	52
9	Ecotoxicological evaluation of selected pharmaceuticals to Vibrio fischeri and Daphnia magna before and after photooxidation process. Ecotoxicology and Environmental Safety, 2014, 104, 247-253.	2.9	51
10	Visible-light-driven photocatalytic removal of acetaminophen from water using a novel MWCNT-TiO2-SiO2 photocatalysts. Separation and Purification Technology, 2018, 206, 343-355.	3.9	49
11	Sorption of diclofenac and naproxen onto MWCNT in model wastewater treated by H2O2 and/or UV. Chemosphere, 2016, 149, 272-278.	4.2	41
12	Carbon dioxide as a carrier gas and biomass addition decrease the total and bioavailable polycyclic aromatic hydrocarbons in biochar produced from sewage sludge. Chemosphere, 2019, 228, 26-34.	4.2	36
13	MWCNTâ€“TiO 2 â€“SiO 2 nanocomposites possessing the photocatalytic activity in UVA and UVC. Applied Catalysis B: Environmental, 2015, 162, 564-572.	10.8	35
14	Sustainable carbon microtube derived from cotton waste for environmental applications. Chemical Engineering Journal, 2019, 361, 1605-1616.	6.6	32
15	Advanced oxidation (H2O2 and/or UV) of functionalized carbon nanotubes (CNT-OH and CNT-COOH) and its influence on the stabilization of CNTs in water and tannic acid solution. Environmental Pollution, 2015, 200, 161-167.	3.7	29
16	The light enhanced removal of Bisphenol A from wastewater using cotton waste derived carbon microtubes. Journal of Colloid and Interface Science, 2019, 539, 425-432.	5.0	27
17	Application of the engineered sewage sludge-derived biochar to minimize water eutrophication by removal of ammonium and phosphate ions from water. Journal of Cleaner Production, 2022, 331, 129994.	4.6	26
18	Impact of ZnO and ZnS nanoparticles in sewage sludge-amended soil on bacteria, plant and invertebrates. Chemosphere, 2019, 237, 124359.	4.2	25

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19	Preparation and characterization of C,N-codoped TiO2 photocatalyst for the degradation of diclofenac from wastewater. Water Science and Technology, 2013, 68, 1322-1328.	1.2	24
20	Effective photocatalytic removal of selected pharmaceuticals and personal care products by elsmoreite/tungsten oxide@ZnS photocatalyst. Journal of Environmental Management, 2020, 270, 110870.	3.8	24
21	Sustainable periodically patterned carbon nanotube for environmental application: Introducing the cheetah skin structure. Journal of Cleaner Production, 2018, 179, 429-440.	4.6	23
22	Sustainable synthesis of rose flower-like magnetic biochar from tea waste for environmental applications. Journal of Advanced Research, 2021, 34, 13-27.	4.4	22
23	Sewage sludge and solid residues from biogas production derived biochar as an effective bio-waste adsorbent of fulvic acids from water or wastewater. Chemosphere, 2021, 278, 130447.	4.2	22
24	Synthesis and properties of zinc oxide photocatalyst by high-temperature processing of resorcinol-formaldehyde/zinc acetate mixture. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 334, 36-46.	2.0	20
25	Multicomponent nanocomposites for elimination of diclofenac in water based on an amorphous TiO 2 active in various light sources. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 330, 64-70.	2.0	19
26	Formation of polycyclic aromatic hydrocarbons and their derivatives in biochars: The effect of feedstock and pyrolysis conditions. Journal of Analytical and Applied Pyrolysis, 2021, 160, 105339.	2.6	19
27	Sorption of pharmaceuticals and personal care products (PPCPs) onto a sustainable cotton based adsorbent. Sustainable Chemistry and Pharmacy, 2020, 18, 100324.	1.6	16
28	Detoxifying SARS-CoV-2 antiviral drugs from model and real wastewaters by industrial waste-derived multiphase photocatalysts. Journal of Hazardous Materials, 2022, 429, 128300.	6.5	16
29	Development simple and sensitive voltammetric procedure for ultra-trace determination of U(VI). Talanta, 2017, 165, 474-481.	2.9	15
30	Ultrafast microwave assisted development of magnetic carbon microtube from cotton waste for wastewater treatment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 606, 125449.	2.3	15
31	Facemask Global Challenges: The Case of Effective Synthesis, Utilization, and Environmental Sustainability. Sustainability, 2022, 14, 737.	1.6	15
32	Removal of recalcitrant pollutants from wastewater. Applied Surface Science, 2010, 256, 5434-5438.	3.1	14
33	Screen-Printed Voltammetric Sensorsâ€"Tools for Environmental Water Monitoring of Painkillers. Sensors, 2022, 22, 2437.	2.1	14
34	UVA- and visible-light-driven photocatalytic activity of three-layer perovskite Dion-Jacobson phase CsBa2M3O10 (M=Ta, Nb) and oxynitride crystals in the removal of caffeine from model wastewater. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 324, 70-80.	2.0	13
35	Impact of thermal treatment of calcium silicate-rich slag on the removal of cadmium from aqueous solution. Journal of Cleaner Production, 2018, 200, 369-379.	4.6	13
36	Transcriptional and biochemical response of barley to co-exposure of metal-based nanoparticles. Science of the Total Environment, 2021, 782, 146883.	3.9	13

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37	Titania-coated nanosilicaâ€“cobalt ferrite composites: Structure and photocatalytic activity. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 319-320, 40-52.	2.0	12
38	Revealing the toxicity of lopinavir- and ritonavir-containing water and wastewater treated by photo-induced processes to Danio rerio and Allivibrio fischeri. Science of the Total Environment, 2022, 824, 153967.	3.9	12
39	Artificial photosynthesis - CO2towards methanol. IOP Conference Series: Materials Science and Engineering, 2011, 19, 012010.	0.3	11
40	Water treatment by H2O2 and/or UV affects carbon nanotube (CNT) properties and fate in water and tannic acid solution. Environmental Science and Pollution Research, 2015, 22, 20198-20206.	2.7	11
41	The effect of MWCNT treatment by H2O2 and/or UV on fulvic acids sorption. Environmental Research, 2017, 155, 1-6.	3.7	11
42	Advanced Oxidation Processes in Triton X-100 and Wash-up Liquid Removal from Wastewater Using Modified TiO2/Al2O3 Photocatalysts. Water, Air, and Soil Pollution, 2012, 223, 4813-4822.	1.1	10
43	The sorption of the nonsteroidal anti-inflammatory drugs diclofenac and naproxen onto UV and/or H₂O₂ treated MWCNT-COOH and MWCNT-OH. RSC Advances, 2016, 6, 110383-110392.	1.7	9
44	Caffeine hinders the decomposition of acetaminophen over TiO2-SiO2 nanocomposites containing carbon nanotubes irradiated by visible light. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 376, 166-174.	2.0	9
45	Low bioavailability of derivatives of polycyclic aromatic hydrocarbons in biochar obtained from different feedstock. Environmental Research, 2022, 214, 113787.	3.7	9
46	The antioxidant defense responses of Hordeum vulgare L. to polycyclic aromatic hydrocarbons and their derivatives in biochar-amended soil. Environmental Pollution, 2022, 294, 118664.	3.7	8
47	Structural, optical and catalytic properties of ZnO-SiO2 colored powders with the visible light-driven activity. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 421, 113532.	2.0	6
48	Band reactor for toxic and recalcitrant water contaminants. Polish Journal of Chemical Technology, 2007, 9, 18-20.	0.3	4
49	The interactions of UV and/or H2O2 treated CNTOH and CNTCOOH with environmental fulvic acids. Environmental Research, 2016, 150, 173-181.	3.7	4
50	Surfactants removal from water and wastewater using Co modified TiO2/Al2O3 photocatalysts. Annales Universitatis Mariae Curie-Sklodowska Sectio AA â€“ Chemia, 2011, 66, .	0.2	2
51	The application of biodegradable chelates in the preparation of Niâ€“TiO2/Al2O3 photocatalysts by the Double Impregnation Method. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 260, 14-23.	2.0	2
52	Photocatalytic Activity of SnO2-Doped SiO2@TiO2 Nanocomposites. NATO Science for Peace and Security Series A: Chemistry and Biology, 2015, , 255-264.	0.5	0