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List of Publications by Year
in descending order

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Version: 2024-02-01

63 papers	2,591 citations	159585 30 h-index	189892 50 g-index
63 all docs	63 docs citations	63 times ranked	3255 citing authors

#	Article	IF	Citations
1	Electrochemical treatment of textile dyes and dyehouse effluents. Journal of Hazardous Materials, 2006, 137, 998-1007.	12.4	208
2	Life cycle assessment of advanced oxidation processes for olive mill wastewater treatment. Journal of Cleaner Production, 2013, 54, 229-234.	9.3	131
3	Kinetics of UV-A/TiO2 photocatalytic degradation and mineralization of the antibiotic sulfamethoxazole in aqueous matrices. Catalysis Today, 2011, 161, 163-168.	4.4	126
4	Life cycle assessment of organic versus conventional agriculture. A case study of lettuce cultivation in Greece. Journal of Cleaner Production, 2016, 112, 2462-2471.	9.3	116
5	Solar light and metal-doped TiO2 to eliminate water-transmitted bacterial pathogens: Photocatalyst characterization and disinfection performance. Applied Catalysis B: Environmental, 2014, 154-155, 93-101.	20.2	114
6	Electrochemical oxidation of model compounds and olive mill wastewater over DSA electrodes: 1. The case of Ti/IrO2 anode. Journal of Hazardous Materials, 2009, 167, 268-274.	12.4	97
7	Used-cooking-oil biodiesel: Life cycle assessment and comparison with first- and third-generation biofuel. Renewable Energy, 2020, 153, 588-600.	8.9	93
8	Recovery of antioxidants from olive mill wastewaters: A viable solution that promotes their overall sustainable management. Journal of Environmental Management, 2013, 128, 749-758.	7.8	84
9	Environmental sustainability of the solar photo-Fenton process for wastewater treatment and pharmaceuticals mineralization at semi-industrial scale. Science of the Total Environment, 2018, 612, 605-612.	8.0	84
10	Boron-doped diamond anodic treatment of olive mill wastewaters: Statistical analysis, kinetic modeling and biodegradability. Water Research, 2009, 43, 3999-4009.	11.3	82
11	Environmental sustainability of light-driven processes for wastewater treatment applications. Journal of Cleaner Production, 2018, 182, 8-15.	9.3	74
12	Anodic oxidation of phenol on Ti/IrO2 electrode: Experimental studies. Catalysis Today, 2010, 151, 185-189.	4.4	73
13	The environmental footprint of a membrane bioreactor treatment process through Life Cycle Analysis. Science of the Total Environment, 2016, 568, 306-318.	8.0	70
14	Assessing the sustainability of acid mine drainage (AMD) treatment in South Africa. Science of the Total Environment, 2018, 635, 793-802.	8.0	68
15	Removal of Endocrine Disrupting Chemicals from Water: Adsorption of Bisphenol-A by Biobased Hydrophobic Functionalized Cellulose. International Journal of Environmental Research and Public Health, 2018, 15, 2419.	2.6	64
16	Photocatalytic treatment of black table olive processing wastewater. Journal of Hazardous Materials, 2008, 154, 1090-1097.	12.4	62
17	Degradation and mineralization of antipyrine by UV-A LED photo-Fenton reaction intensified by ferrioxalate with addition of persulfate. Separation and Purification Technology, 2017, 172, 227-235.	7.9	58
18	Disinfection of water and wastewater by UV-A and UV-C irradiation: application of real-time PCR method. Photochemical and Photobiological Sciences, 2011, 10, 389-395.	2.9	46

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19	Life cycle assessment of the environmental performance of conventional and organic methods of open field pepper cultivation system. International Journal of Life Cycle Assessment, 2017, 22, 896-908.	4.7	46
20	Advocating circular economy in wastewater treatment: Struvite formation and drinking water reclamation from real municipal effluents. Journal of Environmental Chemical Engineering, 2020, 8, 103957.	6.7	46
21	UV and simulated solar photodegradation of 17Î±-ethynylestradiol in secondary-treated wastewater by hydrogen peroxide or iron addition. Catalysis Today, 2015, 252, 84-92.	4.4	45
22	Photocatalytic inactivation of Escherichia coli bacteria in water using low pressure plasma deposited TiO2 cellulose fabric. Photochemical and Photobiological Sciences, 2019, 18, 2248-2258.	2.9	44
23	Beneficiation of acid mine drainage (AMD): A viable option for the synthesis of goethite, hematite, magnetite, and gypsum â€“ Gearing towards a circular economy concept. Minerals Engineering, 2020, 148, 106204.	4.3	40
24	Determination of key operating conditions for the photocatalytic treatment of olive mill wastewaters. Catalysis Today, 2009, 144, 143-148.	4.4	39
25	Photocatalytic facile ZnO nanostructures for the elimination of the antibiotic sulfamethoxazole in water. Journal of Water Process Engineering, 2020, 36, 101299.	5.6	39
26	Environmental sustainability of municipal wastewater treatment through struvite precipitation: Influence of operational parameters. Journal of Cleaner Production, 2021, 285, 124856.	9.3	35
27	Optimization of biodiesel production from waste lard by a two-step transesterification process under mild conditions. Energy for Sustainable Development, 2014, 23, 110-114.	4.5	33
28	Life cycle assessment of solarâ€driven oxidation as a polishing step of secondaryâ€treated urban effluents. Journal of Chemical Technology and Biotechnology, 2017, 92, 1315-1327.	3.2	33
29	Photocatalytic degradation of bisphenol-A under UV-LED, blacklight and solar irradiation. Journal of Cleaner Production, 2018, 203, 13-21.	9.3	32
30	Sonochemical oxidation of piroxicam drug: effect of key operating parameters and degradation pathways. Journal of Chemical Technology and Biotechnology, 2018, 93, 28-34.	3.2	32
31	Solar Photocatalytic Degradation of Bisphenol A on Immobilized ZnO or TiO₂. International Journal of Photoenergy, 2013, 2013, 1-9.	2.5	29
32	Photo-Fenton treatment of saccharin in a solar pilot compound parabolic collector: Use of olive mill wastewater as iron chelating agent, preliminary results. Journal of Hazardous Materials, 2019, 372, 137-144.	12.4	29
33	Improving Carbonâ€Coated TiO₂ Films with a TiCl₄ Treatment for Photocatalytic Water Purification. ChemCatChem, 2018, 10, 234-243.	3.7	26
34	Co-treatment of acid mine drainage and municipal wastewater effluents: Emphasis on the fate and partitioning of chemical contaminants. Journal of Hazardous Materials, 2022, 421, 126677.	12.4	24
35	Inactivation of Enterococcus faecalis by TiO2-mediated UV and solar irradiation in water and wastewater: culture techniques never say the whole truth. Photochemical and Photobiological Sciences, 2011, 10, 1744-1750.	2.9	21
36	Sequential ionic layer adsorption and reaction (SILAR) deposition of Bi₄Ti₃O₁₂ on TiO₂: an enhanced and stable photocatalytic system for water purification. Catalysis Science and Technology, 2018, 8, 829-839.	4.1	21

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37	Photocatalytic degradation of saccharin under UVâ€LED and blacklight irradiation. Journal of Chemical Technology and Biotechnology, 2018, 93, 269-276.	3.2	21
38	Wastewater treatment valorisation by simultaneously removing and recovering phosphate and ammonia from municipal effluents using a mechano-thermo activated magnesite technology. Journal of Environmental Management, 2019, 250, 109493.	7.8	21
39	Solar photocatalytic decomposition of estrogens over immobilized zinc oxide. Catalysis Today, 2013, 209, 66-73.	4.4	20
40	Photocatalytic Oxidation of Natural Organic Matter in Water. Water (Switzerland), 2021, 13, 288.	2.7	20
41	Solar activation of TiO2 intensified with graphene for degradation of Bisphenol-A in water. Solar Energy, 2018, 174, 1035-1043.	6.1	19
42	Determination, occurrence, and treatment of saccharin in water: A review. Journal of Cleaner Production, 2020, 270, 122337.	9.3	19
43	Field testing of low-cost titania-based photocatalysts for enhanced solar disinfection (SODIS) in rural India. Environmental Science: Water Research and Technology, 2020, 6, 809-816.	2.4	19
44	Effect of key operating parameters on the non-catalytic wet oxidation of olive mill wastewaters. Water Science and Technology, 2009, 59, 2509-2518.	2.5	16
45	Photocatalytic treatment of saccharin and bisphenol-A in the presence of TiO 2 nanocomposites tuned by Sn(IV). Catalysis Today, 2017, 287, 3-9.	4.4	16
46	Electrochemical Degradation of Piroxicam on a Boronâ€Doped Diamond Anode: Investigation of Operating Parameters and Ultrasound Synergy. ChemElectroChem, 2019, 6, 841-847.	3.4	16
47	Removal of faecal indicator pathogens from waters and wastewaters by photoelectrocatalytic oxidation on TiO2/Ti films under simulated solar radiation. Environmental Science and Pollution Research, 2012, 19, 3782-3790.	5.3	15
48	Pseudo-potentiostatic electrolysis by potential buffering induced by the oxygen evolution reaction. Electrochemistry Communications, 2009, 11, 1358-1361.	4.7	13
49	Photoelectrocatalytic disinfection of water and wastewater: performance evaluation by qPCR and culture techniques. Journal of Water and Health, 2013, 11, 21-29.	2.6	13
50	Inactivation of bacteria in seafood processing water by means of UV treatment. Journal of Food Engineering, 2016, 173, 1-7.	5.2	11
51	Response behavior of antibiotic resistance genes to zinc oxide nanoparticles in cattle manure thermophilic anaerobic digestion process: A metagenomic analysis. Bioresource Technology, 2022, 347, 126709.	9.6	11
52	Inorganic additives to increase methane generation during anaerobic digestion of livestock manure: a review. Environmental Chemistry Letters, 2021, 19, 4165-4190.	16.2	10
53	Inactivation of Bacillus anthracis in water by photocatalytic, photolytic and sonochemical treatment. Photochemical and Photobiological Sciences, 2013, 12, 645-652.	2.9	9
54	Photocatalytic degradation of bisphenol A induced by dense nanocavities inside aligned 2D-TiO2 nanostructures. Catalysis Today, 2019, 328, 189-201.	4.4	9

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55	Environmental Impacts of Conventional versus Organic Eggplant Cultivation Systems: Influence of Electricity Mix, Yield, Over-Fertilization, and Transportation. Environments - MDPI, 2021, 8, 23.	3.3	9
56	Particle size effects in microbial characteristics in thermophilic anaerobic digestion of cattle manure containing copper oxide. Environmental Science and Pollution Research, 2022, 29, 62994-63004.	5.3	8
57	Solid-state polymer membranes for simple, sensitive, and low-cost monitoring of mercury in water. Science of the Total Environment, 2019, 697, 134099.	8.0	6
58	Heterogeneous photocatalysis for water purification. , 2020, , 75-97.		6
59	Naturally derived carbon for E. coli and arsenic removal from water in rural India. Environmental Technology and Innovation, 2020, 18, 100661.	6.1	6
60	Application of Biological and Chemical Processes to Wastewater Treatment. Water (Switzerland), 2021, 13, 1781.	2.7	6
61	The relationship between microstructure and photocatalytic behavior in lanthanum-modified 2D TiO2 nanosheets upon annealing of a freeze-cast precursor. RSC Advances, 2019, 9, 22988-23003.	3.6	5
62	A novel use of the caesium-137 technique to estimate human interference and historical water level in a Mediterranean Temporary Pond. Journal of Environmental Radioactivity, 2014, 127, 75-81.	1.7	3
63	Effect of La Additive on the Morphology and Photocatalytic Perfomance of 2D TiO2 Nanosheets: Degradation of 4 Chlorophenol. Microscopy and Microanalysis, 2019, 25, 2230-2231.	0.4	0