Efthalia Chatzisymeon

List of Publications by Year
in descending order

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	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
2	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
3	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
4	Environmental sustainability of municipal wastewater treatment through struvite precipitation: Influence of operational parameters. Journal of Cleaner Production, 2021, 285, 124856.	9.3	35
5	Photocatalytic Oxidation of Natural Organic Matter in Water. Water (Switzerland), 2021, 13, 288.	2.7	20
6	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
7	Application of Biological and Chemical Processes to Wastewater Treatment. Water (Switzerland), 2021, 13, 1781.	2.7	6
8	Inorganic additives to increase methane generation during anaerobic digestion of livestock manure: a review. Environmental Chemistry Letters, 2021, 19, 4165-4190.	16.2	10
9	Determination, occurrence, and treatment of saccharin in water: A review. Journal of Cleaner Production, 2020, 270, 122337.	9.3	19
10	Heterogeneous photocatalysis for water purification. , 2020, , 75-97.		6
11	Used-cooking-oil biodiesel: Life cycle assessment and comparison with first- and third-generation biofuel. Renewable Energy, 2020, 153, 588-600.	8.9	93
12	Naturally derived carbon for E. coli and arsenic removal from water in rural India. Environmental Technology and Innovation, 2020, 18, 100661.	6.1	6
13	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
14	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
15	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
16	Photocatalytic facile ZnO nanostructures for the elimination of the antibiotic sulfamethoxazole in water. Journal of Water Process Engineering, 2020, 36, 101299.	5.6	39
17	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
18	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

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19	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
20	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
21	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
22	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
23	Photocatalytic degradation of bisphenol A induced by dense nanocavities inside aligned 2D-TiO2 nanostructures. Catalysis Today, 2019, 328, 189-201.	4.4	9
24	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
25	Environmental sustainability of light-driven processes for wastewater treatment applications. Journal of Cleaner Production, 2018, 182, 8-15.	9.3	74
26	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
27	Assessing the sustainability of acid mine drainage (AMD) treatment in South Africa. Science of the Total Environment, 2018, 635, 793-802.	8.0	68
28	Improving Carbonâ€Coated TiO₂ Films with a TiCl₄ Treatment for Photocatalytic Water Purification. ChemCatChem, 2018, 10, 234-243.	3.7	26
29	Photocatalytic degradation of saccharin under UVâ€LED and blacklight irradiation. Journal of Chemical Technology and Biotechnology, 2018, 93, 269-276.	3.2	21
30	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
31	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
32	Solar activation of TiO2 intensified with graphene for degradation of Bisphenol-A in water. Solar Energy, 2018, 174, 1035-1043.	6.1	19
33	Photocatalytic degradation of bisphenol-A under UV-LED, blacklight and solar irradiation. Journal of Cleaner Production, 2018, 203, 13-21.	9.3	32
34	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
35	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
36	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

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37	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
38	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
39	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
40	Inactivation of bacteria in seafood processing water by means of UV treatment. Journal of Food Engineering, 2016, 173, 1-7.	5.2	11
41	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
42	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
43	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
44	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
45	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
46	Solar photocatalytic decomposition of estrogens over immobilized zinc oxide. Catalysis Today, 2013, 209, 66-73.	4.4	20
47	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
48	Life cycle assessment of advanced oxidation processes for olive mill wastewater treatment. Journal of Cleaner Production, 2013, 54, 229-234.	9.3	131
49	Inactivation of Bacillus anthracis in water by photocatalytic, photolytic and sonochemical treatment. Photochemical and Photobiological Sciences, 2013, 12, 645-652.	2.9	9
50	Solar Photocatalytic Degradation of Bisphenol A on Immobilized ZnO or TiO_{2}. International Journal of Photoenergy, 2013, 2013, 1-9.	2.5	29
51	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
52	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
53	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
54	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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55	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
56	Anodic oxidation of phenol on Ti/IrO2 electrode: Experimental studies. Catalysis Today, 2010, 151, 185-189.	4.4	73
57	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
58	Pseudo-potentiostatic electrolysis by potential buffering induced by the oxygen evolution reaction. Electrochemistry Communications, 2009, 11, 1358-1361.	4.7	13
59	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
60	Determination of key operating conditions for the photocatalytic treatment of olive mill wastewaters. Catalysis Today, 2009, 144, 143-148.	4.4	39
61	Boron-doped diamond anodic treatment of olive mill wastewaters: Statistical analysis, kinetic modeling and biodegradability. Water Research, 2009, 43, 3999-4009.	11.3	82
62	Photocatalytic treatment of black table olive processing wastewater. Journal of Hazardous Materials, 2008, 154, 1090-1097.	12.4	62
63	Electrochemical treatment of textile dyes and dyehouse effluents. Journal of Hazardous Materials, 2006, 137, 998-1007.	12.4	208