

Nikolaos P Xekoukoulotakis

List of Publications by Year in descending order

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43
papers

3,815
citations

136885

32
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254106

43
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43
all docs

43
docs citations

43
times ranked

4554
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemical degradation of the antidepressant sertraline in aqueous solutions by UVC, UVC/H ₂ O ₂ , and UVC/S ₂ O ₈ ²⁻ . <i>Water Research</i> , 2022, 217, 118442.	5.3	8
2	Assessment of tetrabromobisphenol-A (TBBPA) content in plastic waste recovered from WEEE. <i>Journal of Hazardous Materials</i> , 2020, 390, 121641.	6.5	23
3	TiO ₂ photocatalysis under natural solar radiation for the degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions at pilot plant scale. <i>Water Research</i> , 2019, 166, 115037.	5.3	67
4	Photochemical degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions under solar radiation. <i>Water Research</i> , 2018, 128, 61-70.	5.3	39
5	Removal of antibiotics, antibiotic-resistant bacteria and their associated genes by graphene-based TiO ₂ composite photocatalysts under solar radiation in urban wastewaters. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 810-824.	10.8	263
6	UV and simulated solar photodegradation of 17 β -ethynylestradiol in secondary-treated wastewater by hydrogen peroxide or iron addition. <i>Catalysis Today</i> , 2015, 252, 84-92.	2.2	45
7	Removal of faecal indicator pathogens from waters and wastewaters by photoelectrocatalytic oxidation on TiO ₂ /Ti films under simulated solar radiation. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3782-3790.	2.7	15
8	Photocatalytic (UV-A/TiO ₂) degradation of 17 β -ethynylestradiol in environmental matrices: Experimental studies and artificial neural network modeling. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 240, 33-41.	2.0	80
9	Experimental and Modeling Studies of the Degradation of Estrogen Hormones in Aqueous TiO ₂ Suspensions under Simulated Solar Radiation. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 16552-16563.	1.8	42
10	Solar photocatalysis for the abatement of emerging micro-contaminants in wastewater: Synthesis, characterization and testing of various TiO ₂ samples. <i>Applied Catalysis B: Environmental</i> , 2012, 117-118, 283-291.	10.8	57
11	Degradation, mineralization and antibiotic inactivation of amoxicillin by UV-A/TiO ₂ photocatalysis. <i>Journal of Environmental Management</i> , 2012, 98, 168-174.	3.8	274
12	Photocatalytic degradation of 17 β -ethynylestradiol in environmental samples by ZnO under simulated solar radiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1051-1058.	1.6	27
13	Fast degradation of estrogen hormones in environmental matrices by photo-Fenton oxidation under simulated solar radiation. <i>Chemical Engineering Journal</i> , 2011, 178, 175-182.	6.6	58
14	Management scenarios for olive oil mill waste based on characterization and leaching tests. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1542-1547.	1.6	5
15	Kinetics of UV-A/TiO ₂ photocatalytic degradation and mineralization of the antibiotic sulfamethoxazole in aqueous matrices. <i>Catalysis Today</i> , 2011, 161, 163-168.	2.2	126
16	Synthesis and photocatalytic activity of boron-doped TiO ₂ in aqueous suspensions under UV-A irradiation. <i>Water Science and Technology</i> , 2010, 61, 2501-2506.	1.2	2
17	Peracetic acid-enhanced photocatalytic and sonophotocatalytic inactivation of <i>E. coli</i> in aqueous suspensions. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1049-1053.	1.6	18
18	UV-A/TiO ₂ photocatalytic decomposition of erythromycin in water: Factors affecting mineralization and antibiotic activity. <i>Catalysis Today</i> , 2010, 151, 29-33.	2.2	93

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19	Factors affecting diclofenac decomposition in water by UV-A/TiO ₂ photocatalysis. <i>Chemical Engineering Journal</i> , 2010, 161, 53-59.	6.6	162
20	Disinfection of spring water and secondary treated municipal wastewater by TiO ₂ photocatalysis. <i>Desalination</i> , 2010, 250, 351-355.	4.0	91
21	Drugs degrading photocatalytically: Kinetics and mechanisms of ofloxacin and atenolol removal on titania suspensions. <i>Water Research</i> , 2010, 44, 1737-1746.	5.3	262
22	Pilot treatment of olive pomace leachate by vertical-flow constructed wetland and electrochemical oxidation: An efficient hybrid process. <i>Water Research</i> , 2010, 44, 2773-2780.	5.3	100
23	Treatment of ink effluents from flexographic printing by lime precipitation and boron-doped diamond (BDD) electrochemical oxidation. <i>Water Science and Technology</i> , 2009, 60, 2477-2483.	1.2	7
24	Simultaneous photocatalytic oxidation of As(III) and humic acid in aqueous TiO ₂ suspensions. <i>Journal of Hazardous Materials</i> , 2009, 169, 376-385.	6.5	25
25	Determination of key operating conditions for the photocatalytic treatment of olive mill wastewaters. <i>Catalysis Today</i> , 2009, 144, 143-148.	2.2	39
26	Boron-doped diamond anodic treatment of olive mill wastewaters: Statistical analysis, kinetic modeling and biodegradability. <i>Water Research</i> , 2009, 43, 3999-4009.	5.3	82
27	Photocatalytic treatment of black table olive processing wastewater. <i>Journal of Hazardous Materials</i> , 2008, 154, 1090-1097.	6.5	62
28	Heterogeneous photo-Fenton oxidation of benzoic acid in water: Effect of operating conditions, reaction by-products and coupling with biological treatment. <i>Applied Catalysis B: Environmental</i> , 2008, 85, 24-32.	10.8	108
29	Electrochemical oxidation of table olive processing wastewater over boron-doped diamond electrodes: Treatment optimization by factorial design. <i>Water Research</i> , 2008, 42, 1229-1237.	5.3	59
30	Complete treatment of olive pomace leachate by coagulation, activated-carbon adsorption and electrochemical oxidation. <i>Water Research</i> , 2008, 42, 2883-2888.	5.3	31
31	Wet air oxidation of table olive processing wastewater: Determination of key operating parameters by factorial design. <i>Water Research</i> , 2008, 42, 3591-3600.	5.3	40
32	Ozonation of Landfill Leachates: Treatment Optimization by Factorial Design. <i>Journal of Advanced Oxidation Technologies</i> , 2008, 11, .	0.5	7
33	Photocatalytic degradation of reactive black 5 in aqueous solutions: Effect of operating conditions and coupling with ultrasound irradiation. <i>Water Research</i> , 2007, 41, 2236-2246.	5.3	181
34	Sonophotocatalytic/H ₂ O ₂ degradation of phenolic compounds in agro-industrial effluents. <i>Catalysis Today</i> , 2007, 124, 232-239.	2.2	65
35	Disinfection of water and wastewater by TiO ₂ photocatalysis, sonolysis and UV-C irradiation. <i>Catalysis Today</i> , 2007, 129, 136-142.	2.2	91
36	Photocatalytic transformation of acid orange 20 and Cr(VI) in aqueous TiO ₂ suspensions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 186, 308-315.	2.0	104

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37	Effect of key operating parameters on phenols degradation during H ₂ O ₂ -assisted TiO ₂ photocatalytic treatment of simulated and actual olive mill wastewaters. <i>Applied Catalysis B: Environmental</i> , 2007, 73, 11-22.	10.8	117
38	Sonolytic, photocatalytic and sonophotocatalytic degradation of malachite green in aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 2007, 74, 63-72.	10.8	269
39	Photocatalytic treatment of wastewater from cottonseed processing: Effect of operating conditions, aerobic biodegradability and ecotoxicity. <i>Catalysis Today</i> , 2007, 124, 247-253.	2.2	39
40	Treatment of textile dyehouse wastewater by TiO ₂ photocatalysis. <i>Water Research</i> , 2006, 40, 1276-1286.	5.3	327
41	Electrochemical treatment of textile dyes and dyehouse effluents. <i>Journal of Hazardous Materials</i> , 2006, 137, 998-1007.	6.5	208
42	Ozonation of weathered olive mill wastewaters. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1570-1576.	1.6	38
43	Synthesis of quinoxalines by cyclization of α -arylimino oximes of α -dicarbonyl compounds. <i>Tetrahedron Letters</i> , 2000, 41, 10299-10302.	0.7	59