Nikolaos P Xekoukoulotakis

List of Publications by Year
in descending order

43 papers	3,815 citations	136885 32 h-index	254106 43 g-index
43 all docs	43 docs citations	43 times ranked	4554 citing authors

#	Article	IF	Citations
1	Treatment of textile dyehouse wastewater by TiO2 photocatalysis. Water Research, 2006, 40, 1276-1286.	5.3	327
2	Degradation, mineralization and antibiotic inactivation of amoxicillin by UV-A/TiO2 photocatalysis. Journal of Environmental Management, 2012, 98, 168-174.	3.8	274
3	Sonolytic, photocatalytic and sonophotocatalytic degradation of malachite green in aqueous solutions. Applied Catalysis B: Environmental, 2007, 74, 63-72.	10.8	269
4	Removal of antibiotics, antibiotic-resistant bacteria and their associated genes by graphene-based TiO2 composite photocatalysts under solar radiation in urban wastewaters. Applied Catalysis B: Environmental, 2018, 224, 810-824.	10.8	263
5	Drugs degrading photocatalytically: Kinetics and mechanisms of ofloxacin and atenolol removal on titania suspensions. Water Research, 2010, 44, 1737-1746.	5.3	262
6	Electrochemical treatment of textile dyes and dyehouse effluents. Journal of Hazardous Materials, 2006, 137, 998-1007.	6.5	208
7	Photocatalytic degradation of reactive black 5 in aqueous solutions: Effect of operating conditions and coupling with ultrasound irradiation. Water Research, 2007, 41, 2236-2246.	5.3	181
8	Factors affecting diclofenac decomposition in water by UV-A/TiO2 photocatalysis. Chemical Engineering Journal, 2010, 161, 53-59.	6.6	162
9	Kinetics of UV-A/TiO2 photocatalytic degradation and mineralization of the antibiotic sulfamethoxazole in aqueous matrices. Catalysis Today, 2011, 161, 163-168.	2.2	126
10	Effect of key operating parameters on phenols degradation during H2O2-assisted TiO2 photocatalytic treatment of simulated and actual olive mill wastewaters. Applied Catalysis B: Environmental, 2007, 73, 11-22.	10.8	117
11	Heterogeneous photo-Fenton oxidation of benzoic acid in water: Effect of operating conditions, reaction by-products and coupling with biological treatment. Applied Catalysis B: Environmental, 2008, 85, 24-32.	10.8	108
12	Photocatalytic transformation of acid orange 20 and Cr(VI) in aqueous TiO2 suspensions. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 186, 308-315.	2.0	104
13	Pilot treatment of olive pomace leachate by vertical-flow constructed wetland and electrochemical oxidation: An efficient hybrid process. Water Research, 2010, 44, 2773-2780.	5.3	100
14	UV-A/TiO2 photocatalytic decomposition of erythromycin in water: Factors affecting mineralization and antibiotic activity. Catalysis Today, 2010, 151, 29-33.	2.2	93
15	Disinfection of water and wastewater by TiO2 photocatalysis, sonolysis and UV-C irradiation. Catalysis Today, 2007, 129, 136-142.	2.2	91
16	Disinfection of spring water and secondary treated municipal wastewater by TiO2 photocatalysis. Desalination, 2010, 250, 351-355.	4.0	91
17	Boron-doped diamond anodic treatment of olive mill wastewaters: Statistical analysis, kinetic modeling and biodegradability. Water Research, 2009, 43, 3999-4009.	5.3	82
18	Photocatalytic (UV-A/TiO2) degradation of 17Î±-ethynylestradiol in environmental matrices: Experimental studies and artificial neural network modeling. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 240, 33-41.	2.0	80

#	Article	IF	Citations
19	TiO2 photocatalysis under natural solar radiation for the degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions at pilot plant scale. Water Research, 2019, 166, 115037.	5.3	67
20	Sonophotocatalytic/H2O2 degradation of phenolic compounds in agro-industrial effluents. Catalysis Today, 2007, 124, 232-239.	2.2	65
21	Photocatalytic treatment of black table olive processing wastewater. Journal of Hazardous Materials, 2008, 154, 1090-1097.	6.5	62
22	Synthesis of quinoxalines by cyclization of Î±-arylimino oximes of Î±-dicarbonyl compounds. Tetrahedron Letters, 2000, 41, 10299-10302.	0.7	59
23	Electrochemical oxidation of table olive processing wastewater over boron-doped diamond electrodes: Treatment optimization by factorial design. Water Research, 2008, 42, 1229-1237.	5.3	59
24	Fast degradation of estrogen hormones in environmental matrices by photo-Fenton oxidation under simulated solar radiation. Chemical Engineering Journal, 2011, 178, 175-182.	6.6	58
25	Solar photocatalysis for the abatement of emerging micro-contaminants in wastewater: Synthesis, characterization and testing of various TiO2 samples. Applied Catalysis B: Environmental, 2012, 117-118, 283-291.	10.8	57
26	UV and simulated solar photodegradation of 17Î±-ethynylestradiol in secondary-treated wastewater by hydrogen peroxide or iron addition. Catalysis Today, 2015, 252, 84-92.	2.2	45
27	Experimental and Modeling Studies of the Degradation of Estrogen Hormones in Aqueous TiO₂ Suspensions under Simulated Solar Radiation. Industrial & Engineering Chemistry Research, 2012, 51, 16552-16563.	1.8	42
28	Wet air oxidation of table olive processing wastewater: Determination of key operating parameters by factorial design. Water Research, 2008, 42, 3591-3600.	5.3	40
29	Photocatalytic treatment of wastewater from cottonseed processing: Effect of operating conditions, aerobic biodegradability and ecotoxicity. Catalysis Today, 2007, 124, 247-253.	2.2	39
30	Determination of key operating conditions for the photocatalytic treatment of olive mill wastewaters. Catalysis Today, 2009, 144, 143-148.	2.2	39
31	Photochemical degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions under solar radiation. Water Research, 2018, 128, 61-70.	5.3	39
32	Ozonation of weathered olive mill wastewaters. Journal of Chemical Technology and Biotechnology, 2006, 81, 1570-1576.	1.6	38
33	Complete treatment of olive pomace leachate by coagulation, activated-carbon adsorption and electrochemical oxidation. Water Research, 2008, 42, 2883-2888.	5.3	31
34	Photocatalytic degradation of 17Î±â€ethynylestradiol in environmental samples by ZnO under simulated solar radiation. Journal of Chemical Technology and Biotechnology, 2012, 87, 1051-1058.	1.6	27
35	Simultaneous photocatalytic oxidation of As(III) and humic acid in aqueous TiO2 suspensions. Journal of Hazardous Materials, 2009, 169, 376-385.	6.5	25
36	Assessment of tetrabromobisphenol-A (TBBPA) content in plastic waste recovered from WEEE. Journal of Hazardous Materials, 2020, 390, 121641.	6.5	23

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37	Peracetic acidâ€enhanced photocatalytic and sonophotocatalytic inactivation of E. coli in aqueous suspensions. Journal of Chemical Technology and Biotechnology, 2010, 85, 1049-1053.	1.6	18
38	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.	2.7	15
39	Photochemical degradation of the antidepressant sertraline in aqueous solutions by UVC, UVC/H2O2, and UVC/S2O82â˜. Water Research, 2022, 217, 118442.	5.3	8
40	Ozonation of Landfill Leachates: Treatment Optimization by Factorial Design. Journal of Advanced Oxidation Technologies, 2008, 11, .	0.5	7
41	Treatment of ink effluents from flexographic printing by lime precipitation and boron-doped diamond (BDD) electrochemical oxidation. Water Science and Technology, 2009, 60, 2477-2483.	1.2	7
42	Management scenarios for olive oil mill waste based on characterization and leaching tests. Journal of Chemical Technology and Biotechnology, 2011, 86, 1542-1547.	1.6	5
43	Synthesis and photocatalytic activity of boron-doped TiO2 in aqueous suspensions under UV-A irradiation. Water Science and Technology, 2010, 61, 2501-2506.	1.2	2