Ioannis K Konstantinou

List of Publications by Year
in descending order

93	8,343	101543 36	46799 89
papers	citations	h-index	g-index

96	96	96	10110
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TiO2-assisted photocatalytic degradation of azo dyes in aqueous solution: kinetic and mechanistic investigations. Applied Catalysis B: Environmental, 2004, 49, 1-14.	20.2	3,612
2	Occurrence and removal of transformation products of PPCPs and illicit drugs in wastewaters: A review. Science of the Total Environment, 2015, 505, 905-926.	8.0	478
3	The status of pesticide pollution in surface waters (rivers and lakes) of Greece. Part I. Review on occurrence and levels. Environmental Pollution, 2006, 141, 555-570.	7.5	430
4	Photocatalytic Degradation of Selected s-Triazine Herbicides and Organophosphorus Insecticides over Aqueous TiO2Suspensions. Environmental Science & Technology, 2001, 35, 398-405.	10.0	265
5	Monitoring of pesticide residues and their metabolites in surface and underground waters of Imathia (N. Greece) by means of solid-phase extraction disks and gas chromatography. Journal of Chromatography A, 1998, 823, 59-71.	3.7	208
6	Sono-activated persulfate oxidation of bisphenol A: Kinetics, pathways and the controversial role of temperature. Chemical Engineering Journal, 2015, 280, 623-633.	12.7	182
7	Photodegradation of Selected Herbicides in Various Natural Waters and Soils under Environmental Conditions. Journal of Environmental Quality, 2001, 30, 121-130.	2.0	173
8	Recent developments in headspace microextraction techniques for the analysis of environmental contaminants in different matrices. Journal of Chromatography A, 2007, 1152, 70-96.	3.7	138
9	ENVIRONMENTAL MONITORING AND ECOLOGICAL RISK ASSESSMENT FOR PESTICIDE CONTAMINATION AND EFFECTS IN LAKE PAMVOTIS, NORTHWESTERN GREECE. Environmental Toxicology and Chemistry, 2005, 24, 1548.	4.3	117
10	Occurrence and removal of fungicides in municipal sewage treatment plant. Journal of Hazardous Materials, 2010, 175, 829-835.	12.4	110
11	Photocatalytic oxidation of methyl parathion over TiO2 and ZnO suspensions. Catalysis Today, 2007, 124, 156-162.	4.4	109
12	Kinetics of ethyl paraben degradation by simulated solar radiation in the presence of N-doped TiO 2 catalysts. Water Research, 2015, 81, 157-166.	11.3	102
13	Activation of sodium persulfate by magnetic carbon xerogels (CX/CoFe) for the oxidation of bisphenol A: Process variables effects, matrix effects and reaction pathways. Water Research, 2017, 124, 97-107.	11.3	102
14	Occurrence and removal of emerging pharmaceutical, personal care compounds and caffeine tracer in municipal sewage treatment plant in Western Greece. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2013, 48, 800-813.	1.5	94
15	An overview of homogeneous and heterogeneous photocatalysis applications for the removal of pharmaceutical compounds from real or synthetic hospital wastewaters under lab or pilot scale. Science of the Total Environment, 2021, 765, 144163.	8.0	90
16	Photocatalytic degradation of the herbicides propanil and molinate over aqueous TiO2 suspensions: identification of intermediates and the reaction pathway. Applied Catalysis B: Environmental, 2001, 34, 227-239.	20.2	81
17	Determination of fungicides in natural waters using solid-phase microextraction and gas chromatography coupled with electron-capture and mass spectrometric detection. Journal of Chromatography A, 2000, 893, 143-156.	3.7	75
18	Synthesis, Characterization of g-C3N4/SrTiO3 Heterojunctions and Photocatalytic Activity for Organic Pollutants Degradation. Catalysts, 2018, 8, 554.	3.5	72

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19	Photocatalytic degradation of propachlor in aqueous TiO2 suspensions. Determination of the reaction pathway and identification of intermediate products by various analytical methods. Water Research, 2002, 36, 2733-2742.	11.3	70
20	Oxidation of bisphenol A in water by heat-activated persulfate. Journal of Environmental Management, 2017, 195, 125-132.	7.8	69
21	Evaluation of toxicity and genotoxicity of 2-chlorophenol on bacteria, fish and human cells. Science of the Total Environment, 2016, 551-552, 649-655.	8.0	68
22	Photodegradation of ethyl paraben using simulated solar radiation and Ag3PO4 photocatalyst. Journal of Hazardous Materials, 2017, 323, 478-488.	12.4	66
23	Determination and risk assessment of pesticide residues in lake Amvrakia (W. Greece) after agricultural land use changes in the lake's drainage basin. International Journal of Environmental Analytical Chemistry, 2013, 93, 780-799.	3.3	58
24	Boron-doped diamond electrooxidation of ethyl paraben: The effect of electrolyte on by-products distribution and mechanisms. Journal of Environmental Management, 2017, 195, 148-156.	7.8	58
25	Sonochemical degradation of ethyl paraben in environmental samples: Statistically important parameters determining kinetics, by-products and pathways. Ultrasonics Sonochemistry, 2016, 31, 62-70.	8.2	56
26	On the kinetics and mechanisms of photolytic/TiO2-photocatalytic degradation of substituted pyridines in aqueous solutions. Applied Catalysis B: Environmental, 2010, 95, 100-109.	20.2	51
27	Photocatalytic degradation kinetics and mechanisms of antibacterial triclosan in aqueous <scp>TiO₂</scp> suspensions under simulated solar irradiation. Journal of Chemical Technology and Biotechnology, 2014, 89, 1145-1154.	3.2	51
28	Photocatalytic oxidation of treated municipal wastewaters for the removal of phenolic compounds: optimization and modeling using response surface methodology (RSM) and artificial neural networks (ANNs). Journal of Chemical Technology and Biotechnology, 2012, 87, 1385-1395.	3.2	50
29	Boron-doped diamond oxidation of amoxicillin pharmaceutical formulation: Statistical evaluation of operating parameters, reaction pathways and antibacterial activity. Journal of Environmental Management, 2017, 195, 100-109.	7.8	45
30	Passive sampling of selected pesticides in aquatic environment using polar organic chemical integrative samplers. Environmental Science and Pollution Research, 2011, 18, 1222-1233.	5.3	44
31	Sample pretreatment method for the determination of polychlorinated biphenyls in bird livers using ultrasonic extraction followed by headspace solid-phase microextraction and gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2006, 1124, 97-105.	3.7	43
32	Photodegradation study of the antifouling booster biocide dichlofluanid in aqueous media by gas chromatographic techniques. Journal of Chromatography A, 2001, 930, 135-144.	3.7	40
33	Aquatic phototransformation study of the antifouling agent Sea-Nine 211: identification of byproducts and the reaction pathway by gas chromatographyâ€“mass spectroscopy. Journal of Chromatography A, 2002, 959, 215-227.	3.7	40
34	QuEChERS and solid phase extraction methods for the determination of energy crop pesticides in soil, plant and runoff water matrices. International Journal of Environmental Analytical Chemistry, 2013, 93, 1566-1584.	3.3	40
35	Persistent Organochlorine Contaminants in Liver and Fat of Birds of Prey from Greece. Archives of Environmental Contamination and Toxicology, 2006, 50, 603-613.	4.1	39
36	Assessment of multiclass pharmaceutical active compounds (PhACs) in hospital WWTP influent and effluent samples by UHPLC-Orbitrap MS: Temporal variation, removals and environmental risk assessment. Environmental Research, 2020, 191, 110152.	7.5	39

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37	Activation of persulfate by biochar from spent malt rootlets for the degradation of trimethoprim in the presence of inorganic ions. Journal of Chemical Technology and Biotechnology, 2020, 95, 2348-2358.	3.2	37
38	Photocatalytic and photoelectrocatalytic degradation of the drug omeprazole on nanocrystalline titania films in alkaline media: Effect of applied electrical bias on degradation and transformation products. Journal of Hazardous Materials, 2015, 294, 57-63.	12.4	36
39	Photocatalytic Treatment of Pharmaceuticals in Real Hospital Wastewaters for Effluent Quality Amelioration. Water (Switzerland), 2019, 11, 2165.	2.7	36
40	Mechanism of catalytic degradation of 2,4,6-trichlorophenol by a Fe-porphyrin catalyst. Applied Catalysis B: Environmental, 2011, 101, 417-424.	20.2	33
41	Photocatalytic degradation and mineralization of tramadol pharmaceutical in aqueous TiO 2 suspensions: Evaluation of kinetics, mechanisms and ecotoxicity. Applied Catalysis A: General, 2016, 515, 136-143.	4.3	33
42	Pesticide inputs from the sewage treatment plant of Agrinio to River Acheloos, western Greece: occurrence and removal. Water Science and Technology, 2010, 62, 1098-1105.	2.5	32
43	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
44	Optimization and Modeling of the Photocatalytic Degradation of the Insect Repellent DEET in Aqueous TiO₂ Suspensions. Clean - Soil, Air, Water, 2013, 41, 593-600.	1.1	31
45	Perovskite and Spinel Catalysts for Sulfate Radical-Based Advanced Oxidation of Organic Pollutants in Water and Wastewater Systems. Catalysts, 2020, 10, 1299.	3.5	29
46	A Multidisciplinary Assessment of River Surface Water Quality in Areas Heavily Influenced by Human Activities. Archives of Environmental Contamination and Toxicology, 2015, 69, 208-222.	4.1	28
47	Coupling of electrochemical and photocatalytic technologies for accelerating degradation of organic pollutants. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 317, 100-107.	3.9	28
48	Solar photocatalytic decomposition of ethyl paraben in zinc oxide suspensions. Catalysis Today, 2017, 280, 139-148.	4.4	28
49	Activation of persulfate by biochar for the degradation of phenolic compounds in aqueous systems. Chemical Engineering Journal Advances, 2022, 9, 100201.	5.2	28
50	2-Hydroxypyridine photolytic degradation by 254nm UV irradiation at different conditions. Chemosphere, 2009, 77, 1099-1105.	8.2	26
51	Dissipation and transport of quizalofop-p-ethyl herbicide in sunflower cultivation under field conditions. Environmental Science and Pollution Research, 2016, 23, 3481-3490.	5.3	26
52	PCBs and Organochlorine Pesticide Residues in Eggs of Audouin's Gull (Larus audouinii) in the North-Eastern Mediterranean. Marine Pollution Bulletin, 2001, 42, 377-388.	5.0	25
53	Simultaneous Photocatalytic Reduction of Cr(VI) and Oxidation of Benzoic Acid in Aqueous N-F-Codoped TiO₂Suspensions: Optimization and Modeling Using the Response Surface Methodology. International Journal of Photoenergy, 2012, 2012, 1-10.	2.5	25
54	Spatiotemporal Variation and Risk Assessment of Pesticides in Water of the Lower Catchment Basin of Acheloos River, Western Greece. Scientific World Journal, The, 2013, 2013, 1-16.	2.1	25

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55	A comparative study on the photo-catalytic degradation of Cytarabine anticancer drug under Fe3+/H2O2, Fe3+/S2O82â˜, and [Fe(C2O4)3]3â˜/H2O2 processes. Kinetics, identification, and in silico toxicity assessment of generated transformation products. Environmental Science and Pollution Research, 2019, 26, 7772-7784.	5.3	23
56	Rapid Microwaveâ€Assisted Synthesis of CdS/Graphene/MoS_x Tunable Heterojunctions and Their Application in Photocatalysis. Chemistry - A European Journal, 2020, 26, 6643-6651.	3.3	22
57	Degradation of ethyl paraben by heat-activated persulfate oxidation: statistical evaluation of operating factors and transformation pathways. Environmental Science and Pollution Research, 2017, 24, 1073-1084.	5.3	21
58	Photocatalytic degradation of saccharin under UVâ€LED and blacklight irradiation. Journal of Chemical Technology and Biotechnology, 2018, 93, 269-276.	3.2	21
59	Photolytic removal and mineralisation of 2-halogenated pyridines. Water Research, 2009, 43, 3964-3973.	11.3	20
60	WO3 Fibers/g-C3N4 Z-Scheme Heterostructure Photocatalysts for Simultaneous Oxidation/Reduction of Phenol/Cr (VI) in Aquatic Media. Catalysts, 2021, 11, 792.	3.5	19
61	Accurate mass screening of pesticide residues in wine by modified QuEChERS and LC-hybrid LTQ/Orbitrap-MS. Food Chemistry, 2021, 360, 130008.	8.2	19
62	Heterogeneous Activation of Persulfate by LaMO3 (M=Co, Fe, Cu, Mn, Ni) Perovskite Catalysts for the Degradation of Organic Compounds. Catalysts, 2022, 12, 187.	3.5	18
63	Coupling of headspace solid phase microextraction with ultrasonic extraction for the determination of chlorinated pesticides in bird livers using gas chromatography. Analytica Chimica Acta, 2006, 573-574, 223-230.	5.4	17
64	Comparison of the performance of analytical methods based on solid-phase extraction and on solid-phase microextraction for the determination of antifouling booster biocides in natural waters. Chromatographia, 2002, 56, 745-751.	1.3	16
65	Organochlorine residues in blood of cinereous vultures and Eurasian griffon vultures in a northeastern Mediterranean area of nature conservation. Environmental Monitoring and Assessment, 2011, 183, 259-271.	2.7	16
66	Effect of biochar on the mobility and photodegradation of metribuzin and metabolites in soilâ€'biochar thin-layer chromatography plates. International Journal of Environmental Analytical Chemistry, 2019, 99, 310-327.	3.3	15
67	Removal of antibiotics in a parallel-plate thin-film-photocatalytic reactor: Process modeling and evolution of transformation by-products and toxicity. Journal of Environmental Sciences, 2017, 60, 114-122.	6.1	14
68	FoodOmicsGR_RI: A Consortium for Comprehensive Molecular Characterisation of Food Products. Metabolites, 2021, 11, 74.	2.9	14
69	Degradation of dexamethasone in water using <scp>BDD</scp> anodic oxidation and persulfate: reaction kinetics and pathways. Journal of Chemical Technology and Biotechnology, 2021, 96, 2451-2460.	3.2	14
70	Persistence of trifluralin in soil of oilseed rape fields in Western Greece. International Journal of Environmental Analytical Chemistry, 2010, 90, 344-356.	3.3	13
71	Occurrence and distribution of selected pharmaceutical compounds on sewage-impacted section of River Acheloos, Western Greece. International Journal of Environmental Analytical Chemistry, 2013, 93, 1602-1619.	3.3	13
72	g-C3N4/MoS2 Heterojunction for Photocatalytic Removal of Phenol and Cr(VI). Photochem, 2021, 1, 358-370.	2.2	13

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73	Photocatalytic degradation of organophosphate flame retardant TBEP: kinetics and identification of transformation products by orbitrap mass spectrometry. International Journal of Environmental Analytical Chemistry, 2019, 99, 297-309.	3.3	12
74	Factors Affecting Multiresidue Determination of Priority Herbicides when Using Solid-Phase Microextraction. Journal of AOAC INTERNATIONAL, 2002, 85, 486-493.	1.5	11
75	Evaluation of Mobility and Dissipation of Mefenoxam and Pendimethalin by Application of CSTR Model and Field Experiments Using Bare and Tobacco Tilled Soil Columns. Water, Air, and Soil Pollution, 2012, 223, 1625-1637.	2.4	10
76	Start-up of a free water surface constructed wetland for treating olive mill wastewater. Hemijska Industrija, 2015, 69, 577-583.	0.7	10
77	Removal of Emerging Pollutants in Horizontal Subsurface Flow and Vertical Flow Pilot-Scale Constructed Wetlands. Processes, 2021, 9, 2200.	2.8	9
78	Soil degradation of metazachlor and quizalofop-‹i›p‹/i›-ethyl herbicides on TLC plates under natural solar light and dark conditions. International Journal of Environmental Analytical Chemistry, 2017, 97, 606-622.	3.3	8
79	Photodegradation of 2-chloropyridine in aqueous solution: Reaction pathways and genotoxicity of intermediate products. Journal of Hazardous Materials, 2017, 321, 753-763.	12.4	8
80	Highly Efficient Simulated Solar Lightâ€Driven Photocatalytic Degradation of 4â€Nitrophenol over CdS/Carbon/MoS‹sub›x‹/sub› Hybrids. Chemistry - A European Journal, 2021, 27, 15806-15814.	3.3	8
81	Determination of Herbicides in Natural Waters Using Solid Phase Microextraction (SPME) and Gas Chromatography Coupled with Flame Thermionic and Mass Spectrometric Detection. International Journal of Environmental Analytical Chemistry, 2000, 78, 223-240.	3.3	7
82	Dissipation and runoff transport of metazachlor herbicide in rapeseed cultivated and uncultivated plots in field conditions. Environmental Science and Pollution Research, 2016, 23, 20517-20527.	5.3	7
83	The role of acetone in the [omim][BF4]-mediated adverse effects on tissues of mussels, human lymphocytes and the fruit fly Drosophila melanogaster. Journal of Hazardous Materials, 2017, 333, 339-347.	12.4	7
84	Photochemical Fate of Organic Booster Biocides in the Aquatic Environment. , 0, , 171-200.		6
85	Removal of cibacron black commercial dye with heat- or iron-activated persulfate: statistical evaluation of key operating parameters on decolorization and degradation by-products. Desalination and Water Treatment, 2016, 57, 2616-2625.	1.0	6
86	The quality of drinking water supplies in North-Western Greece: a three-year follow-up. International Journal of Environmental Analytical Chemistry, 2004, 84, 217-229.	3.3	5
87	Laboratory calibration of twelve pesticides using polar organic chemical integrative samplers. International Journal of Environmental Analytical Chemistry, 2015, 95, 1230-1241.	3.3	5
88	Quality Control of Emerging Contaminants in Marine Aquaculture Systems by Spot Sampling-Optimized Solid Phase Extraction and Passive Sampling. Sustainability, 2022, 14, 3452.	3.2	5
89	Overview of the Pesticide Residues in Greek Rivers: Occurrence and Environmental Risk Assessment. Handbook of Environmental Chemistry, 2015, , 205-240.	0.4	2
90	Photocatalytic Degradation Pathways of the Valsartan Drug by TiO2 and g-C3N4 Catalysts. Reactions, 2022, 3, 160-171.	2.1	1

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91	Mechanism of Synergistic Photocatalytic Cr(VI)-reduction and Benzoic Acid Oxidatiî¿n by Visible Light Active TiO2 Photocatalysts. Journal of Advanced Oxidation Technologies, 2014, 17, .	0.5	0
92	Monitoring of Pesticides in the Environment. , 2008, , .		0
93	Removal of organic pollutants (pharmaceuticals and pesticides) from sewage sludge by hydrothermal carbonization using response surface methodology (<scp>RSM</scp>). Journal of Chemical Technology and Biotechnology, 0, , .	3.2	0