

Ioannis K Konstantinou

List of Publications by Year in descending order

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93
papers

8,343
citations

101543

36
h-index

46799

89
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96
all docs

96
docs citations

96
times ranked

10110
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of persulfate by biochar for the degradation of phenolic compounds in aqueous systems. <i>Chemical Engineering Journal Advances</i> , 2022, 9, 100201.	5.2	28
2	Heterogeneous Activation of Persulfate by LaMO ₃ (M=Co, Fe, Cu, Mn, Ni) Perovskite Catalysts for the Degradation of Organic Compounds. <i>Catalysts</i> , 2022, 12, 187.	3.5	18
3	Photocatalytic Degradation Pathways of the Valsartan Drug by TiO ₂ and g-C ₃ N ₄ Catalysts. <i>Reactions</i> , 2022, 3, 160-171.	2.1	1
4	Quality Control of Emerging Contaminants in Marine Aquaculture Systems by Spot Sampling-Optimized Solid Phase Extraction and Passive Sampling. <i>Sustainability</i> , 2022, 14, 3452.	3.2	5
5	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. <i>Science of the Total Environment</i> , 2021, 765, 144163.	8.0	90
6	FoodOmicsGR_RI: A Consortium for Comprehensive Molecular Characterisation of Food Products. <i>Metabolites</i> , 2021, 11, 74.	2.9	14
7	WO ₃ Fibers/g-C ₃ N ₄ Z-Scheme Heterostructure Photocatalysts for Simultaneous Oxidation/Reduction of Phenol/Cr (VI) in Aquatic Media. <i>Catalysts</i> , 2021, 11, 792.	3.5	19
8	Degradation of dexamethasone in water using BDD anodic oxidation and persulfate: reaction kinetics and pathways. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2451-2460.	3.2	14
9	Highly Efficient Simulated Solar Light-Driven Photocatalytic Degradation of 4-Nitrophenol over CdS/Carbon/MoS ₂ Hybrids. <i>Chemistry - A European Journal</i> , 2021, 27, 15806-15814.	3.3	8
10	Accurate mass screening of pesticide residues in wine by modified QuEChERS and LC-hybrid LTQ/Orbitrap-MS. <i>Food Chemistry</i> , 2021, 360, 130008.	8.2	19
11	g-C ₃ N ₄ /MoS ₂ Heterojunction for Photocatalytic Removal of Phenol and Cr(VI). <i>Photochem</i> , 2021, 1, 358-370.	2.2	13
12	Removal of Emerging Pollutants in Horizontal Subsurface Flow and Vertical Flow Pilot-Scale Constructed Wetlands. <i>Processes</i> , 2021, 9, 2200.	2.8	9
13	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. <i>Environmental Research</i> , 2020, 191, 110152.	7.5	39
14	Perovskite and Spinel Catalysts for Sulfate Radical-Based Advanced Oxidation of Organic Pollutants in Water and Wastewater Systems. <i>Catalysts</i> , 2020, 10, 1299.	3.5	29
15	Activation of persulfate by biochar from spent malt rootlets for the degradation of trimethoprim in the presence of inorganic ions. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2348-2358.	3.2	37
16	Rapid Microwave-Assisted Synthesis of CdS/Graphene/MoS ₂ Tunable Heterojunctions and Their Application in Photocatalysis. <i>Chemistry - A European Journal</i> , 2020, 26, 6643-6651.	3.3	22
17	Photocatalytic degradation of organophosphate flame retardant TBEP: kinetics and identification of transformation products by orbitrap mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 297-309.	3.3	12
18	Effect of biochar on the mobility and photodegradation of metribuzin and metabolites in soil: biochar thin-layer chromatography plates. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 310-327.	3.3	15

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19	A comparative study on the photo-catalytic degradation of Cytarabine anticancer drug under Fe ³⁺ /H ₂ O ₂ , Fe ³⁺ /S ₂ O ₈ ²⁻ , and [Fe(C ₂ O ₄) ₃] ³⁻ /H ₂ O ₂ processes. Kinetics, identification, and in silico toxicity assessment of generated transformation products. <i>Environmental Science and Pollution Research</i> , 2019, 26, 7772-7784.	5.3	23
20	Photocatalytic Treatment of Pharmaceuticals in Real Hospital Wastewaters for Effluent Quality Amelioration. <i>Water (Switzerland)</i> , 2019, 11, 2165.	2.7	36
21	Photocatalytic degradation of saccharin under UV-LED and blacklight irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 269-276.	3.2	21
22	Synthesis, Characterization of g-C ₃ N ₄ /SrTiO ₃ Heterojunctions and Photocatalytic Activity for Organic Pollutants Degradation. <i>Catalysts</i> , 2018, 8, 554.	3.5	72
23	Sonochemical oxidation of piroxicam drug: effect of key operating parameters and degradation pathways. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 28-34.	3.2	32
24	Solar photocatalytic decomposition of ethyl paraben in zinc oxide suspensions. <i>Catalysis Today</i> , 2017, 280, 139-148.	4.4	28
25	Boron-doped diamond oxidation of amoxicillin pharmaceutical formulation: Statistical evaluation of operating parameters, reaction pathways and antibacterial activity. <i>Journal of Environmental Management</i> , 2017, 195, 100-109.	7.8	45
26	Photodegradation of ethyl paraben using simulated solar radiation and Ag ₃ PO ₄ photocatalyst. <i>Journal of Hazardous Materials</i> , 2017, 323, 478-488.	12.4	66
27	The role of acetone in the [omim][BF ₄]-mediated adverse effects on tissues of mussels, human lymphocytes and the fruit fly <i>Drosophila melanogaster</i> . <i>Journal of Hazardous Materials</i> , 2017, 333, 339-347.	12.4	7
28	Removal of antibiotics in a parallel-plate thin-film-photocatalytic reactor: Process modeling and evolution of transformation by-products and toxicity. <i>Journal of Environmental Sciences</i> , 2017, 60, 114-122.	6.1	14
29	Activation of sodium persulfate by magnetic carbon xerogels (CX/CoFe) for the oxidation of bisphenol A: Process variables effects, matrix effects and reaction pathways. <i>Water Research</i> , 2017, 124, 97-107.	11.3	102
30	Soil degradation of metazachlor and quizalofop-ethyl herbicides on TLC plates under natural solar light and dark conditions. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 606-622.	3.3	8
31	Photodegradation of 2-chloropyridine in aqueous solution: Reaction pathways and genotoxicity of intermediate products. <i>Journal of Hazardous Materials</i> , 2017, 321, 753-763.	12.4	8
32	Boron-doped diamond electrooxidation of ethyl paraben: The effect of electrolyte on by-products distribution and mechanisms. <i>Journal of Environmental Management</i> , 2017, 195, 148-156.	7.8	58
33	Degradation of ethyl paraben by heat-activated persulfate oxidation: statistical evaluation of operating factors and transformation pathways. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1073-1084.	5.3	21
34	Oxidation of bisphenol A in water by heat-activated persulfate. <i>Journal of Environmental Management</i> , 2017, 195, 125-132.	7.8	69
35	Dissipation and runoff transport of metazachlor herbicide in rapeseed cultivated and uncultivated plots in field conditions. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20517-20527.	5.3	7
36	Sonochemical degradation of ethyl paraben in environmental samples: Statistically important parameters determining kinetics, by-products and pathways. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 62-70.	8.2	56

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37	Removal of cibacron black commercial dye with heat- or iron-activated persulfate: statistical evaluation of key operating parameters on decolorization and degradation by-products. <i>Desalination and Water Treatment</i> , 2016, 57, 2616-2625.	1.0	6
38	Evaluation of toxicity and genotoxicity of 2-chlorophenol on bacteria, fish and human cells. <i>Science of the Total Environment</i> , 2016, 551-552, 649-655.	8.0	68
39	Photocatalytic degradation and mineralization of tramadol pharmaceutical in aqueous TiO ₂ suspensions: Evaluation of kinetics, mechanisms and ecotoxicity. <i>Applied Catalysis A: General</i> , 2016, 515, 136-143.	4.3	33
40	Coupling of electrochemical and photocatalytic technologies for accelerating degradation of organic pollutants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 317, 100-107.	3.9	28
41	Dissipation and transport of quizalofop-p-ethyl herbicide in sunflower cultivation under field conditions. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3481-3490.	5.3	26
42	Laboratory calibration of twelve pesticides using polar organic chemical integrative samplers. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 1230-1241.	3.3	5
43	Sono-activated persulfate oxidation of bisphenol A: Kinetics, pathways and the controversial role of temperature. <i>Chemical Engineering Journal</i> , 2015, 280, 623-633.	12.7	182
44	Kinetics of ethyl paraben degradation by simulated solar radiation in the presence of N-doped TiO ₂ catalysts. <i>Water Research</i> , 2015, 81, 157-166.	11.3	102
45	A Multidisciplinary Assessment of River Surface Water Quality in Areas Heavily Influenced by Human Activities. <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 208-222.	4.1	28
46	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. <i>Journal of Hazardous Materials</i> , 2015, 294, 57-63.	12.4	36
47	Overview of the Pesticide Residues in Greek Rivers: Occurrence and Environmental Risk Assessment. <i>Handbook of Environmental Chemistry</i> , 2015, , 205-240.	0.4	2
48	Occurrence and removal of transformation products of PPCPs and illicit drugs in wastewaters: A review. <i>Science of the Total Environment</i> , 2015, 505, 905-926.	8.0	478
49	Start-up of a free water surface constructed wetland for treating olive mill wastewater. <i>Hemijiska Industrija</i> , 2015, 69, 577-583.	0.7	10
50	Photocatalytic degradation kinetics and mechanisms of antibacterial triclosan in aqueous TiO ₂ suspensions under simulated solar irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1145-1154.	3.2	51
51	Mechanism of Synergistic Photocatalytic Cr(VI)-reduction and Benzoic Acid Oxidation by Visible Light Active TiO ₂ Photocatalysts. <i>Journal of Advanced Oxidation Technologies</i> , 2014, 17, .	0.5	0
52	Occurrence and removal of emerging pharmaceutical, personal care compounds and caffeine tracer in municipal sewage treatment plant in Western Greece. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2013, 48, 800-813.	1.5	94
53	Occurrence and distribution of selected pharmaceutical compounds on sewage-impacted section of River Acheloos, Western Greece. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 1602-1619.	3.3	13
54	Optimization and Modeling of the Photocatalytic Degradation of the Insect Repellent DEET in Aqueous TiO ₂ Suspensions. <i>Clean - Soil, Air, Water</i> , 2013, 41, 593-600.	1.1	31

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55	QuEChERS and solid phase extraction methods for the determination of energy crop pesticides in soil, plant and runoff water matrices. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 1566-1584.	3.3	40
56	Determination and risk assessment of pesticide residues in lake Amvrakia (W. Greece) after agricultural land use changes in the lake's drainage basin. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 780-799.	3.3	58
57	Spatiotemporal Variation and Risk Assessment of Pesticides in Water of the Lower Catchment Basin of Acheloos River, Western Greece. <i>Scientific World Journal</i> , The, 2013, 2013, 1-16.	2.1	25
58	Simultaneous Photocatalytic Reduction of Cr(VI) and Oxidation of Benzoic Acid in Aqueous N-F-Codoped TiO ₂ Suspensions: Optimization and Modeling Using the Response Surface Methodology. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-10.	2.5	25
59	Evaluation of Mobility and Dissipation of Mefenoxam and Pendimethalin by Application of CSTR Model and Field Experiments Using Bare and Tobacco Tilled Soil Columns. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 1625-1637.	2.4	10
60	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). <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1385-1395.	3.2	50
61	Organochlorine residues in blood of cinereous vultures and Eurasian griffon vultures in a northeastern Mediterranean area of nature conservation. <i>Environmental Monitoring and Assessment</i> , 2011, 183, 259-271.	2.7	16
62	Passive sampling of selected pesticides in aquatic environment using polar organic chemical integrative samplers. <i>Environmental Science and Pollution Research</i> , 2011, 18, 1222-1233.	5.3	44
63	Mechanism of catalytic degradation of 2,4,6-trichlorophenol by a Fe-porphyrin catalyst. <i>Applied Catalysis B: Environmental</i> , 2011, 101, 417-424.	20.2	33
64	Occurrence and removal of fungicides in municipal sewage treatment plant. <i>Journal of Hazardous Materials</i> , 2010, 175, 829-835.	12.4	110
65	On the kinetics and mechanisms of photolytic/TiO ₂ -photocatalytic degradation of substituted pyridines in aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 2010, 95, 100-109.	20.2	51
66	Pesticide inputs from the sewage treatment plant of Agrinio to River Acheloos, western Greece: occurrence and removal. <i>Water Science and Technology</i> , 2010, 62, 1098-1105.	2.5	32
67	Persistence of trifluralin in soil of oilseed rape fields in Western Greece. <i>International Journal of Environmental Analytical Chemistry</i> , 2010, 90, 344-356.	3.3	13
68	2-Hydroxypyridine photolytic degradation by 254nm UV irradiation at different conditions. <i>Chemosphere</i> , 2009, 77, 1099-1105.	8.2	26
69	Photolytic removal and mineralisation of 2-halogenated pyridines. <i>Water Research</i> , 2009, 43, 3964-3973.	11.3	20
70	Monitoring of Pesticides in the Environment. , 2008, , .		0
71	Photocatalytic oxidation of methyl parathion over TiO ₂ and ZnO suspensions. <i>Catalysis Today</i> , 2007, 124, 156-162.	4.4	109
72	Recent developments in headspace microextraction techniques for the analysis of environmental contaminants in different matrices. <i>Journal of Chromatography A</i> , 2007, 1152, 70-96.	3.7	138

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73	The status of pesticide pollution in surface waters (rivers and lakes) of Greece. Part I. Review on occurrence and levels. <i>Environmental Pollution</i> , 2006, 141, 555-570.	7.5	430
74	Coupling of headspace solid phase microextraction with ultrasonic extraction for the determination of chlorinated pesticides in bird livers using gas chromatography. <i>Analytica Chimica Acta</i> , 2006, 573-574, 223-230.	5.4	17
75	Sample pretreatment method for the determination of polychlorinated biphenyls in bird livers using ultrasonic extraction followed by headspace solid-phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1124, 97-105.	3.7	43
76	Persistent Organochlorine Contaminants in Liver and Fat of Birds of Prey from Greece. <i>Archives of Environmental Contamination and Toxicology</i> , 2006, 50, 603-613.	4.1	39
77	ENVIRONMENTAL MONITORING AND ECOLOGICAL RISK ASSESSMENT FOR PESTICIDE CONTAMINATION AND EFFECTS IN LAKE PAMVOTIS, NORTHWESTERN GREECE. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 1548.	4.3	117
78	The quality of drinking water supplies in North-Western Greece: a three-year follow-up. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 217-229.	3.3	5
79	TiO ₂ -assisted photocatalytic degradation of azo dyes in aqueous solution: kinetic and mechanistic investigations. <i>Applied Catalysis B: Environmental</i> , 2004, 49, 1-14.	20.2	3,612
80	Photocatalytic degradation of propachlor in aqueous TiO ₂ suspensions. Determination of the reaction pathway and identification of intermediate products by various analytical methods. <i>Water Research</i> , 2002, 36, 2733-2742.	11.3	70
81	Factors Affecting Multiresidue Determination of Priority Herbicides when Using Solid-Phase Microextraction. <i>Journal of AOAC INTERNATIONAL</i> , 2002, 85, 486-493.	1.5	11
82	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. <i>Chromatographia</i> , 2002, 56, 745-751.	1.3	16
83	Aquatic phototransformation study of the antifouling agent Sea-Nine 211: identification of byproducts and the reaction pathway by gas chromatography-mass spectroscopy. <i>Journal of Chromatography A</i> , 2002, 959, 215-227.	3.7	40
84	Photocatalytic Degradation of Selected s-Triazine Herbicides and Organophosphorus Insecticides over Aqueous TiO ₂ Suspensions. <i>Environmental Science & Technology</i> , 2001, 35, 398-405.	10.0	265
85	Photodegradation of Selected Herbicides in Various Natural Waters and Soils under Environmental Conditions. <i>Journal of Environmental Quality</i> , 2001, 30, 121-130.	2.0	173
86	Photodegradation study of the antifouling booster biocide dichlofluanid in aqueous media by gas chromatographic techniques. <i>Journal of Chromatography A</i> , 2001, 930, 135-144.	3.7	40
87	PCBs and Organochlorine Pesticide Residues in Eggs of Audouin's Gull (<i>Larus audouinii</i>) in the North-Eastern Mediterranean. <i>Marine Pollution Bulletin</i> , 2001, 42, 377-388.	5.0	25
88	Photocatalytic degradation of the herbicides propanil and molinate over aqueous TiO ₂ suspensions: identification of intermediates and the reaction pathway. <i>Applied Catalysis B: Environmental</i> , 2001, 34, 227-239.	20.2	81
89	Determination of fungicides in natural waters using solid-phase microextraction and gas chromatography coupled with electron-capture and mass spectrometric detection. <i>Journal of Chromatography A</i> , 2000, 893, 143-156.	3.7	75
90	Determination of Herbicides in Natural Waters Using Solid Phase Microextraction (SPME) and Gas Chromatography Coupled with Flame Thermionic and Mass Spectrometric Detection. <i>International Journal of Environmental Analytical Chemistry</i> , 2000, 78, 223-240.	3.3	7

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91	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
92	Photochemical Fate of Organic Booster Biocides in the Aquatic Environment. , 0, , 171-200.		6
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