

Despo Fatta-Kassinou

List of Publications by Year in descending order

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169
papers

23,245
citations

10979

71
h-index

7944

149
g-index

175
all docs

175
docs citations

175
times ranked

19894
citing authors

#	ARTICLE	IF	CITATIONS
1	Urban wastewater treatment plants as hotspots for antibiotic resistant bacteria and genes spread into the environment: A review. <i>Science of the Total Environment</i> , 2013, 447, 345-360.	3.9	1,784
2	Tackling antibiotic resistance: the environmental framework. <i>Nature Reviews Microbiology</i> , 2015, 13, 310-317.	13.6	1,612
3	Urban wastewater treatment plants as hotspots for the release of antibiotics in the environment: A review. <i>Water Research</i> , 2013, 47, 957-995.	5.3	1,518
4	Removal of residual pharmaceuticals from aqueous systems by advanced oxidation processes. <i>Environment International</i> , 2009, 35, 402-417.	4.8	1,476
5	Occurrence patterns of pharmaceuticals in water and wastewater environments. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1225-1234.	1.9	734
6	Pharmaceutical residues in environmental waters and wastewater: current state of knowledge and future research. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 251-275.	1.9	718
7	Consolidated vs new advanced treatment methods for the removal of contaminants of emerging concern from urban wastewater. <i>Science of the Total Environment</i> , 2019, 655, 986-1008.	3.9	515
8	Pharmaceutical pollution of the world's rivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	495
9	Kinetic and mechanism investigation on the photochemical degradation of atrazine with activated H ₂ O ₂ , S ₂ O ₈ ²⁻ and HSO ₅ ⁻ . <i>Chemical Engineering Journal</i> , 2014, 252, 393-403.	6.6	432
10	Transformation products of pharmaceuticals in surface waters and wastewater formed during photolysis and advanced oxidation processes – Degradation, elucidation of byproducts and assessment of their biological potency. <i>Chemosphere</i> , 2011, 85, 693-709.	4.2	418
11	The potential implications of reclaimed wastewater reuse for irrigation on the agricultural environment: The knowns and unknowns of the fate of antibiotics and antibiotic resistant bacteria and resistance genes – A review. <i>Water Research</i> , 2017, 123, 448-467.	5.3	400
12	Dissolved effluent organic matter: Characteristics and potential implications in wastewater treatment and reuse applications. <i>Water Research</i> , 2015, 77, 213-248.	5.3	388
13	Antibiotic resistance in European wastewater treatment plants mirrors the pattern of clinical antibiotic resistance prevalence. <i>Science Advances</i> , 2019, 5, eaau9124.	4.7	346
14	Antibiotic residues in final effluents of European wastewater treatment plants and their impact on the aquatic environment. <i>Environment International</i> , 2020, 140, 105733.	4.8	338
15	The risks associated with wastewater reuse and xenobiotics in the agroecological environment. <i>Science of the Total Environment</i> , 2011, 409, 3555-3563.	3.9	330
16	Performance of secondary wastewater treatment methods for the removal of contaminants of emerging concern implicated in crop uptake and antibiotic resistance spread: A review. <i>Science of the Total Environment</i> , 2019, 648, 1052-1081.	3.9	328
17	Spatial differences and temporal changes in illicit drug use in Europe quantified by wastewater analysis. <i>Addiction</i> , 2014, 109, 1338-1352.	1.7	319
18	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

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19	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
20	Review on endocrine disrupting-emerging compounds in urban wastewater: occurrence and removal by photocatalysis and ultrasonic irradiation for wastewater reuse. <i>Desalination</i> , 2007, 215, 166-176.	4.0	239
21	Degradation of diclofenac by TiO ₂ photocatalysis: UV absorbance kinetics and process evaluation through a set of toxicity bioassays. <i>Water Research</i> , 2009, 43, 979-988.	5.3	236
22	Degradation kinetics and mechanism of β -lactam antibiotics by the activation of H ₂ O ₂ and Na ₂ S ₂ O ₈ under UV-254nm irradiation. <i>Journal of Hazardous Materials</i> , 2014, 279, 375-383.	6.5	236
23	Significant role of UV and carbonate radical on the degradation of oxytetracycline in UV-AOPs: Kinetics and mechanism. <i>Water Research</i> , 2016, 95, 195-204.	5.3	234
24	Antibiotic resistance genes in treated wastewater and in the receiving water bodies: A pan-European survey of urban settings. <i>Water Research</i> , 2019, 162, 320-330.	5.3	231
25	Environmental side effects of pharmaceutical cocktails: What we know and what we should know. <i>Journal of Hazardous Materials</i> , 2014, 279, 169-189.	6.5	226
26	Continuous ozonation of urban wastewater: Removal of antibiotics, antibiotic-resistant <i>Escherichia coli</i> and antibiotic resistance genes and phytotoxicity. <i>Water Research</i> , 2019, 159, 333-347.	5.3	222
27	Heterogenous photocatalytic degradation kinetics and detoxification of an urban wastewater treatment plant effluent contaminated with pharmaceuticals. <i>Water Research</i> , 2009, 43, 4070-4078.	5.3	214
28	Role of pH on photolytic and photocatalytic degradation of antibiotic oxytetracycline in aqueous solution under visible/solar light: Kinetics and mechanism studies. <i>Applied Catalysis B: Environmental</i> , 2013, 134-135, 83-92.	10.8	214
29	Analytical methods for tracing pharmaceutical residues in water and wastewater. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 515-533.	5.8	213
30	Long-term wastewater irrigation of vegetables in real agricultural systems: Concentration of pharmaceuticals in soil, uptake and bioaccumulation in tomato fruits and human health risk assessment. <i>Water Research</i> , 2017, 109, 24-34.	5.3	213
31	Treatment of winery wastewater by physicochemical, biological and advanced processes: A review. <i>Journal of Hazardous Materials</i> , 2015, 286, 343-368.	6.5	212
32	Solid waste characterization, quantification and management practices in developing countries. A case study: Nablus district " Palestine. <i>Journal of Environmental Management</i> , 2010, 91, 1131-1138.	3.8	199
33	A study on the landfill leachate and its impact on the groundwater quality of the greater area. <i>Environmental Geochemistry and Health</i> , 1999, 21, 175-190.	1.8	195
34	The role of operating parameters and oxidative damage mechanisms of advanced chemical oxidation processes in the combat against antibiotic-resistant bacteria and resistance genes present in urban wastewater. <i>Water Research</i> , 2018, 129, 208-230.	5.3	187
35	Antibiotic resistance in urban aquatic environments: can it be controlled?. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1543-1557.	1.7	169
36	Best available technologies and treatment trains to address current challenges in urban wastewater reuse for irrigation of crops in EU countries. <i>Science of the Total Environment</i> , 2020, 710, 136312.	3.9	167

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37	Sewage analysis as a tool for the COVID-19 pandemic response and management: the urgent need for optimised protocols for SARS-CoV-2 detection and quantification. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104306.	3.3	164
38	Generation and management of construction and demolition waste in Greece – an existing challenge. <i>Resources, Conservation and Recycling</i> , 2003, 40, 81-91.	5.3	162
39	Factors affecting diclofenac decomposition in water by UV-A/TiO ₂ photocatalysis. <i>Chemical Engineering Journal</i> , 2010, 161, 53-59.	6.6	162
40	Solar photo-Fenton process on the abatement of antibiotics at a pilot scale: Degradation kinetics, ecotoxicity and phytotoxicity assessment and removal of antibiotic resistant enterococci. <i>Water Research</i> , 2012, 46, 5621-5634.	5.3	160
41	Spatio-temporal assessment of illicit drug use at large scale: evidence from 7 years of international wastewater monitoring. <i>Addiction</i> , 2020, 115, 109-120.	1.7	154
42	A path to clean water. <i>Science</i> , 2018, 361, 222-224.	6.0	151
43	Demonstration plasma gasification/vitrification system for effective hazardous waste treatment. <i>Journal of Hazardous Materials</i> , 2005, 123, 120-126.	6.5	145
44	Ultrasonic degradation, mineralization and detoxification of diclofenac in water: Optimization of operating parameters. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 179-185.	3.8	144
45	Fate of pharmaceuticals in contaminated urban wastewater effluent under ultrasonic irradiation. <i>Water Research</i> , 2009, 43, 4019-4027.	5.3	133
46	Solar Fenton and solar TiO ₂ catalytic treatment of ofloxacin in secondary treated effluents: Evaluation of operational and kinetic parameters. <i>Water Research</i> , 2010, 44, 5450-5462.	5.3	131
47	Ranking of crop plants according to their potential to uptake and accumulate contaminants of emerging concern. <i>Environmental Research</i> , 2019, 170, 422-432.	3.7	127
48	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
49	Erythromycin oxidation and ERY-resistant <i>Escherichia coli</i> inactivation in urban wastewater by sulfate radical-based oxidation process under UV-C irradiation. <i>Water Research</i> , 2015, 85, 346-358.	5.3	126
50	Proposed transformation pathway and evolution profile of diclofenac and ibuprofen transformation products during (sono)photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 1015-1027.	10.8	120
51	Resource consumption and emissions from olive oil production: a life cycle inventory case study in Cyprus. <i>Journal of Cleaner Production</i> , 2008, 16, 809-821.	4.6	117
52	Sonophotocatalytic treatment of ofloxacin in secondary treated effluent and elucidation of its transformation products. <i>Chemical Engineering Journal</i> , 2013, 224, 96-105.	6.6	113
53	Degradation of diclofenac during sonolysis, ozonation and their simultaneous application. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 790-794.	3.8	96
54	Minimization of the diffuse pollution caused by dairy farms in Cyprus through the development of guidelines for their sustainable operation. <i>Water Science and Technology</i> , 2007, 56, 89-97.	1.2	94

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55	Solar-induced heterogeneous photocatalytic degradation of methyl-paraben. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 2-11.	10.8	94
56	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
57	Solar photo-Fenton oxidation followed by adsorption on activated carbon for the minimisation of antibiotic resistance determinants and toxicity present in urban wastewater. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 871-880.	10.8	93
58	Solar/TiO ₂ photocatalytic decomposition of β -blockers atenolol and propranolol in water and wastewater. <i>Solar Energy</i> , 2011, 85, 1915-1926.	2.9	92
59	Investigation of the potential of a Membrane BioReactor followed by solar Fenton oxidation to remove antibiotic-related microcontaminants. <i>Chemical Engineering Journal</i> , 2017, 310, 491-502.	6.6	90
60	Nickel uptake from a wastewater stream produced in a metal finishing industry by combination of ion-exchange and precipitation methods. <i>Separation and Purification Technology</i> , 2004, 39, 181-188.	3.9	88
61	Treatment efficiency and economic feasibility of biological oxidation, membrane filtration and separation processes, and advanced oxidation for the purification and valorization of olive mill wastewater. <i>Water Research</i> , 2017, 114, 1-13.	5.3	88
62	Solar photo-Fenton oxidation for the removal of ampicillin, total cultivable and resistant <i>E. coli</i> and ecotoxicity from secondary-treated wastewater effluents. <i>Chemical Engineering Journal</i> , 2019, 355, 91-102.	6.6	86
63	Multi-year inter-laboratory exercises for the analysis of illicit drugs and metabolites in wastewater: Development of a quality control system. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 103, 34-43.	5.8	85
64	Transformation products and reaction pathways of carbamazepine during photocatalytic and sonophotocatalytic treatment. <i>Journal of Hazardous Materials</i> , 2013, 263, 177-186.	6.5	84
65	Reducing aquatic micropollutants – Increasing the focus on input prevention and integrated emission management. <i>Science of the Total Environment</i> , 2019, 652, 836-850.	3.9	84
66	Solar photocatalytic treatment of trimethoprim in four environmental matrices at a pilot scale: Transformation products and ecotoxicity evaluation. <i>Science of the Total Environment</i> , 2012, 430, 167-173.	3.9	83
67	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
68	UV-A and Solar Photodegradation of Ibuprofen and Carbamazepine Catalyzed by TiO ₂ . <i>Separation Science and Technology</i> , 2010, 45, 1564-1570.	1.3	79
69	Reduction of clarithromycin and sulfamethoxazole-resistant <i>Enterococcus</i> by pilot-scale solar-driven Fenton oxidation. <i>Science of the Total Environment</i> , 2014, 468-469, 19-27.	3.9	77
70	Stress-related phenomena and detoxification mechanisms induced by common pharmaceuticals in alfalfa (<i>Medicago sativa</i> L.) plants. <i>Science of the Total Environment</i> , 2016, 557-558, 652-664.	3.9	77
71	Light-induced catalytic transformation of ofloxacin by solar Fenton in various water matrices at a pilot plant: Mineralization and characterization of major intermediate products. <i>Science of the Total Environment</i> , 2013, 461-462, 39-48.	3.9	74
72	Can the pharmaceutically active compounds released in agroecosystems be considered as emerging plant stressors?. <i>Environment International</i> , 2018, 114, 360-364.	4.8	73

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73	The environmental footprint of a membrane bioreactor treatment process through Life Cycle Analysis. <i>Science of the Total Environment</i> , 2016, 568, 306-318.	3.9	70
74	Evaluation of chemical and biological contaminants of emerging concern in treated wastewater intended for agricultural reuse. <i>Environment International</i> , 2020, 138, 105597.	4.8	70
75	High Throughput Analysis of Integron Gene Cassettes in Wastewater Environments. <i>Environmental Science & Technology</i> , 2016, 50, 11825-11836.	4.6	68
76	On the contribution of reclaimed wastewater irrigation to the potential exposure of humans to antibiotics, antibiotic resistant bacteria and antibiotic resistance genes – NEREUS COST Action ES1403 position paper. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 102131.	3.3	68
77	Physicochemical and structural characterization of biochar derived from the pyrolysis of biosolids, cattle manure and spent coffee grounds. <i>Journal of the Energy Institute</i> , 2020, 93, 2063-2073.	2.7	66
78	A study on the attitudes and behavioural influence of construction waste management in occupied Palestinian territory. <i>Waste Management and Research</i> , 2012, 30, 122-136.	2.2	65
79	Adsorption and removal of seven antibiotic compounds present in water with the use of biochar derived from the pyrolysis of organic waste feedstocks. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105868.	3.3	65
80	Investigating the impact of UV-C/H ₂ O ₂ and sunlight/H ₂ O ₂ on the removal of antibiotics, antibiotic resistance determinants and toxicity present in urban wastewater. <i>Chemical Engineering Journal</i> , 2020, 388, 124383.	6.6	64
81	Solar photo-Fenton oxidation against the bioresistant fractions of winery wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 703-712.	3.3	63
82	Development and optimization of dark Fenton oxidation for the treatment of textile wastewaters with high organic load. <i>Journal of Hazardous Materials</i> , 2007, 146, 558-563.	6.5	62
83	REMOVAL OF HEAVY METALS FROM SEWAGE SLUDGE BY ACID TREATMENT. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2001, 36, 873-881.	0.9	61
84	Utilizing solar energy for the purification of olive mill wastewater using a pilot-scale photocatalytic reactor after coagulation-flocculation. <i>Water Research</i> , 2014, 60, 28-40.	5.3	61
85	Current status in wastewater treatment, reuse and research in some mediterranean countries. <i>Desalination and Water Treatment</i> , 2015, 53, 2015-2030.	1.0	60
86	Identification of indicator PPCPs in landfill leachates and livestock wastewaters using multi-residue analysis of 70 PPCPs: Analytical method development and application in Yangtze River Delta, China. <i>Science of the Total Environment</i> , 2021, 753, 141653.	3.9	60
87	Existence of Pharmaceutical Compounds in Tertiary Treated Urban Wastewater that is Utilized for Reuse Applications. <i>Water Resources Management</i> , 2011, 25, 1183-1193.	1.9	59
88	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
89	Sequential coagulation–flocculation, solvent extraction and photo-Fenton oxidation for the valorization and treatment of olive mill effluent. <i>Chemical Engineering Journal</i> , 2013, 224, 82-88.	6.6	58
90	Investigating the fate of iodinated X-ray contrast media iohexol and diatrizoate during microbial degradation in an MBBR system treating urban wastewater. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3592-3606.	2.7	56

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91	A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. <i>Environment International</i> , 2020, 144, 106035.	4.8	55
92	Winery wastewater purification by reverse osmosis and oxidation of the concentrate by solar photo-Fenton. <i>Separation and Purification Technology</i> , 2013, 118, 659-669.	3.9	53
93	Pharmaceuticals and illicit drugs in wastewater samples in north-eastern Tunisia. <i>Environmental Science and Pollution Research</i> , 2018, 25, 18226-18241.	2.7	51
94	Making Waves: Collaboration in the time of SARS-CoV-2 - rapid development of an international co-operation and wastewater surveillance database to support public health decision-making. <i>Water Research</i> , 2021, 199, 117167.	5.3	48
95	On the capacity of ozonation to remove antimicrobial compounds, resistant bacteria and toxicity from urban wastewater effluents. <i>Journal of Hazardous Materials</i> , 2017, 323, 414-425.	6.5	47
96	Biodegradation potential of ofloxacin and its resulting transformation products during photolytic and photocatalytic treatment. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1302-1309.	2.7	46
97	Impact assessment of the reuse of two discrete treated wastewaters for the irrigation of tomato crop on the soil geochemical properties, fruit safety and crop productivity. <i>Agriculture, Ecosystems and Environment</i> , 2014, 192, 105-114.	2.5	46
98	The NORMAN Association and the European Partnership for Chemicals Risk Assessment (PARC): let's cooperate!. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	46
99	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
100	Inter-laboratory calibration of quantitative analyses of antibiotic resistance genes. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 102214.	3.3	45
101	Life cycle assessment of household biogas production in Egypt: Influence of digester volume, biogas leakages, and digestate valorization as biofertilizer. <i>Journal of Cleaner Production</i> , 2021, 286, 125468.	4.6	45
102	Organochlorine and organophosphoric insecticides, herbicides and heavy metals residue in industrial wastewaters in Cyprus. <i>Journal of Hazardous Materials</i> , 2007, 145, 169-179.	6.5	44
103	Diclofenac biodegradation by newly isolated <i>Klebsiella</i> sp. KSC: Microbial intermediates and ecotoxicological assessment. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3242-3248.	3.3	44
104	Is the evaluation of "traditional" physicochemical parameters sufficient to explain the potential toxicity of the treated wastewater at sewage treatment plants?. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3516-3528.	2.7	43
105	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
106	Chronic ecotoxic effects to <i>Pseudomonas putida</i> and <i>Vibrio fischeri</i> , and cytostatic and genotoxic effects to the hepatoma cell line (HepG2) of ofloxacin photo(cata)lytically treated solutions. <i>Science of the Total Environment</i> , 2013, 450-451, 356-365.	3.9	42
107	Monitoring of the quality of winery influents/effluents and polishing of partially treated winery flows by homogeneous Fe(II) photo-oxidation. <i>Desalination</i> , 2009, 248, 836-842.	4.0	41
108	Recommendations to derive quality standards for chemical pollutants in reclaimed water intended for reuse in agricultural irrigation. <i>Chemosphere</i> , 2020, 240, 124911.	4.2	41

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109	Removal of Pharmaceuticals from Environmentally Relevant Matrices by Advanced Oxidation Processes (AOPs). <i>Comprehensive Analytical Chemistry</i> , 2013, , 345-407.	0.7	40
110	Development of a multi-function software decision support tool for the promotion of the safe reuse of treated urban wastewater. <i>Desalination</i> , 2007, 215, 90-103.	4.0	39
111	Assessment of long-term wastewater irrigation impacts on the soil geochemical properties and the bioaccumulation of heavy metals to the agricultural products. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 4857-4870.	1.3	39
112	One planet: one health. A call to support the initiative on a global science“policy body on chemicals and waste. <i>Environmental Sciences Europe</i> , 2022, 34, 21.	2.6	39
113	Mineralisation of the antibiotic amoxicillin in pure and surface waters by artificial UVA“and sunlight“induced Fenton oxidation. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1211-1217.	1.6	38
114	Uptake and bioaccumulation of three widely prescribed pharmaceutically active compounds in tomato fruits and mediated effects on fruit quality attributes. <i>Science of the Total Environment</i> , 2019, 647, 1169-1178.	3.9	36
115	Effects of prescription antibiotics on soil- and root-associated microbiomes and resistomes in an agricultural context. <i>Journal of Hazardous Materials</i> , 2020, 400, 123208.	6.5	36
116	Homogeneous oxidation of aqueous solutions of atrazine and fenitrothion through dark and photo-Fenton reactions. <i>Chemosphere</i> , 2009, 74, 866-872.	4.2	35
117	Sonochemical degradation of ofloxacin in aqueous solutions. <i>Water Science and Technology</i> , 2010, 61, 3141-3146.	1.2	33
118	Life cycle assessment of solar“driven oxidation as a polishing step of secondary“treated urban effluents. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1315-1327.	1.6	33
119	Tuning ZnO/GO p-n heterostructure with carbon interlayer supported on clay for visible-light catalysis: Removal of steroid estrogens from water. <i>Chemical Engineering Journal</i> , 2021, 420, 127668.	6.6	31
120	Ultraviolet-activated persulfate oxidation of methyl orange: a comparison between artificial neural networks and factorial design for process modelling. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 528-535.	1.6	29
121	Effects of selective water withdrawal schemes on thermal stratification in Kouris Dam in Cyprus. <i>Lakes and Reservoirs: Research and Management</i> , 2008, 13, 51-61.	0.6	28
122	Photocatalytic degradation of 17“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
123	COST Action ES1403: New and Emerging challenges and opportunities in wastewater REUSe (NEREUS). <i>Environmental Science and Pollution Research</i> , 2015, 22, 7183-7186.	2.7	25
124	Industrial pollution and control measures for a foundry in Cyprus. <i>Journal of Cleaner Production</i> , 2004, 12, 29-36.	4.6	23
125	Dental solid and hazardous waste management and safety practices in developing countries: Nablus district, Palestine. <i>Waste Management and Research</i> , 2010, 28, 436-444.	2.2	23
126	Integrated environmental monitoring and simulation system for use as a management decision support tool in urban areas. <i>Journal of Environmental Management</i> , 2002, 64, 333-343.	3.8	22

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127	Solar Fenton: from pilot to industrial scale application for polishing winery wastewater pretreated by MBR. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1067-1076.	1.6	22
128	Anaerobic co-digestion of potato processing wastewater with pig slurry and abattoir wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1658-1663.	1.6	21
129	Assessing the presence of enrofloxacin and ciprofloxacin in piggery wastewater and their adsorption behaviour onto solid materials, with a newly developed chromatographic method. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23371-23381.	2.7	21
130	Shotgun metagenomics assessment of the resistome, mobilome, pathogen dynamics and their ecological control modes in full-scale urban wastewater treatment plants. <i>Journal of Hazardous Materials</i> , 2021, 418, 126387.	6.5	20
131	Urban Wastewater Treatment and Reclamation for Agricultural Irrigation: The situation in Morocco and Palestine. <i>The Environmentalist</i> , 2004, 24, 227-236.	0.7	19
132	Pesticides, volatile and semivolatile organic compounds in the inland surface waters of Cyprus. <i>Desalination</i> , 2007, 215, 223-236.	4.0	19
133	Simultaneous inactivation of multidrug-resistant <i>Escherichia coli</i> and enterococci by peracetic acid in urban wastewater: Exposure-based kinetics and comparison with chlorine. <i>Water Research</i> , 2021, 202, 117403.	5.3	19
134	Every fifth published metagenome is not available to science. <i>PLoS Biology</i> , 2020, 18, e3000698.	2.6	18
135	Rapid screening procedure to optimise the anaerobic codigestion of industrial biowastes and agricultural livestock wastes in Cyprus. <i>Waste Management</i> , 2009, 29, 712-720.	3.7	16
136	Wastewater reuse applications and contaminants of emerging concern. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3493-3495.	2.7	16
137	Single-route delaminated clay composites for efficient visible-light photo-mineralization of antibiotic-resistant bacteria and associated genes in water. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120143.	10.8	16
138	Direct simulation of the limiting flux: I. Interpretation of the experimental results. <i>Journal of Membrane Science</i> , 2009, 337, 81-91.	4.1	15
139	Applications of advanced oxidation processes in wastewater treatment. <i>Water Research</i> , 2009, 43, 3901-3901.	5.3	15
140	A chemical, microbiological and (eco)toxicological scheme to understand the efficiency of UV-C/H ₂ O ₂ oxidation on antibiotic-related microcontaminants in treated urban wastewater. <i>Science of the Total Environment</i> , 2020, 744, 140835.	3.9	15
141	An Alternative Method for the Treatment of Waste Produced at a Dye and a Metal-Plating Industry Using Natural and/or Waste Materials. <i>Waste Management and Research</i> , 2004, 22, 234-239.	2.2	14
142	Licit and Illicit Drugs in Urban Wastewater in Cyprus. <i>Clean - Soil, Air, Water</i> , 2015, 43, 1272-1278.	0.7	14
143	UV-driven oxidation of ciprofloxacin in conventionally treated urban wastewater: degradation kinetics, ecotoxicity and phytotoxicity assessment and inactivation of ciprofloxacin-resistant <i>Escherichia coli</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1380-1388.	1.6	14
144	Antibiotic resistomes and their chemical residues in aquatic environments in Africa. <i>Environmental Pollution</i> , 2022, 312, 119783.	3.7	13

#	ARTICLE	IF	CITATIONS
145	Sunlight, iron and radicals to tackle the resistant leftovers of biotreated winery wastewater. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 664-670.	1.6	12
146	Development of a qualitative approach to assessing risks associated with the use of treated wastewater in agricultural irrigation. <i>Journal of Hazardous Materials</i> , 2021, 406, 124286.	6.5	12
147	MEDAWARE project for wastewater reuse in the Mediterranean countries: An innovative compact biological wastewater treatment system for promoting wastewater reclamation in Cyprus. <i>Desalination</i> , 2007, 211, 34-47.	4.0	11
148	Effects of wastewater applied with discrete irrigation techniques on strawberry plants' productivity and the safety, quality characteristics and antioxidant capacity of fruits. <i>Agricultural Water Management</i> , 2016, 173, 48-54.	2.4	11
149	Effects of biochar derived from the pyrolysis of either biosolids, manure or spent coffee grounds on the growth, physiology and quality attributes of field-grown lettuce plants. <i>Environmental Technology and Innovation</i> , 2022, 26, 102263.	3.0	10
150	Two important limitations relating to the spiking of environmental samples with contaminants of emerging concern: How close to the real analyte concentrations are the reported recovered values?. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15202-15205.	2.7	9
151	Challenges related to antimicrobial resistance in the framework of urban wastewater reuse. <i>Water Research</i> , 2020, 170, 115308.	5.3	9
152	Examining the Relevance of the Microplastic-Associated Additive Fraction in Environmental Compartments. <i>ACS ES&T Water</i> , 2022, 2, 405-413.	2.3	9
153	Novel approach to fast determination of cholesterol oxidation products in Cypriot foodstuffs using ultra-performance liquid chromatography-tandem mass spectrometry. <i>Electrophoresis</i> , 2016, 37, 1101-1108.	1.3	8
154	Development of guidelines on best practices for the slaughter of animals in Cyprus. <i>Waste Management</i> , 2003, 23, 157-165.	3.7	5
155	Superiority of solar Fenton oxidation over TiO ₂ photocatalysis for the degradation of trimethoprim in secondary treated effluents. <i>Water Science and Technology</i> , 2013, 67, 1260-1271.	1.2	4
156	Cytostatic Drug Residues in Wastewater Treatment Plants: Sources, Removal Efficiencies and Current Challenges. , 2020, , 103-138.		4
157	Assessing the Accuracy of Wall Concentration Estimation Based on Averaged Permeate Velocity in Spacer-Filled Reverse Osmosis (RO) Membrane Systems. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 8134-8144.	1.8	3
158	Sustainable and cost-effective municipal wastewater reclamation: treated effluent reuse in agricultural production. <i>International Journal of Environment and Pollution</i> , 2006, 28, 2.	0.2	3
159	Assessing the Impact of Concentration-Dependent Fluid Properties on Concentration Polarization in Crossflow Membrane Systems. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 1636-1649.	1.8	3
160	Assessing the potential of pharmaceuticals and their transformation products to cause mutagenic effects: Implications for gene expression profiling. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2753-2764.	2.2	3
161	Can solar water-treatment really help in the fight against water shortages?. <i>Europhysics News</i> , 2017, 48, 26-30.	0.1	3
162	Editorial - "Urban wastewater reuse and chemical contaminants of emerging concern". <i>Chemosphere</i> , 2020, 248, 126052.	4.2	3

#	ARTICLE	IF	CITATIONS
163	The water profile and the policies that need to be developed for the promotion of wastewater reuse in the Mediterranean countries: the case of Cyprus, Jordan and Lebanon. <i>International Journal of Environment and Pollution</i> , 2006, 28, 45.	0.2	2
164	Development and validation of a UPLC-MS/MS method for studying the degradation kinetics of ofloxacin and trimethoprim during the application of solar Fenton process in secondary treated sewage. <i>Water Science and Technology</i> , 2012, 66, 1574-1581.	1.2	2
165	CHAPTER 3. Solar Photocatalytic Disinfection of Water. <i>RSC Energy and Environment Series</i> , 2016, , 72-91.	0.2	2
166	Implementation of the European IPPC Directiveâ€™BAT guidelines for the cement industry in Cyprus. <i>The Environmentalist</i> , 2001, 21, 115-127.	0.7	1
167	Wastewater Reuse, Risk Assessment, Decision-Makingâ€™A Three-Ended Narrative Subject. , 2007, , 193-204.		1
168	Simultaneous Decontamination of Seven Residual Antibiotics in Secondary Treated Effluents by Solar Photo-Fenton and Solar TiO ₂ Catalytic Processes. <i>Advances in Science, Technology and Innovation</i> , 2018, , 1517-1518.	0.2	1
169	Editorial. <i>Environmental Pollution</i> , 2010, 158, 3016.	3.7	0