

Ana Agã¼era

List of Publications by Year in descending order

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159
papers

13,608
citations

15504

65
h-index

22166

113
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163
all docs

163
docs citations

163
times ranked

11553
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence of emerging pollutants in urban wastewater and their removal through biological treatment followed by ozonation. <i>Water Research</i> , 2010, 44, 578-588.	11.3	799
2	Pilot survey monitoring pharmaceuticals and related compounds in a sewage treatment plant located on the Mediterranean coast. <i>Chemosphere</i> , 2007, 66, 993-1002.	8.2	472
3	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.	11.3	400
4	Occurrence and persistence of organic emerging contaminants and priority pollutants in five sewage treatment plants of Spain: Two years pilot survey monitoring. <i>Environmental Pollution</i> , 2012, 164, 267-273.	7.5	374
5	Overcoming matrix effects using the dilution approach in multiresidue methods for fruits and vegetables. <i>Journal of Chromatography A</i> , 2011, 1218, 7634-7639.	3.7	361
6	Photo-Fenton Degradation of Diclofenac: Identification of Main Intermediates and Degradation Pathway. <i>Environmental Science & Technology</i> , 2005, 39, 8300-8306.	10.0	349
7	Degradation of sulfamethoxazole in water by solar photo-Fenton. Chemical and toxicological evaluation. <i>Water Research</i> , 2009, 43, 3922-3931.	11.3	308
8	Photocatalytic treatment of water-soluble pesticides by photo-Fenton and TiO ₂ using solar energy. <i>Catalysis Today</i> , 2002, 76, 209-220.	4.4	293
9	Degradation of fifteen emerging contaminants at 10 ⁻⁴ g/L initial concentrations by mild solar photo-Fenton in MWTP effluents. <i>Water Research</i> , 2010, 44, 545-554.	11.3	293
10	Degradation of the antibiotic amoxicillin by photo-Fenton process – Chemical and toxicological assessment. <i>Water Research</i> , 2011, 45, 1394-1402.	11.3	289
11	Application of Liquid Chromatography/Quadrupole-Linear Ion Trap Mass Spectrometry and Time-of-Flight Mass Spectrometry to the Determination of Pharmaceuticals and Related Contaminants in Wastewater. <i>Analytical Chemistry</i> , 2007, 79, 9372-9384.	6.5	279
12	Photodegradation of sulfamethoxazole in various aqueous media: Persistence, toxicity and photoproducts assessment. <i>Chemosphere</i> , 2009, 77, 1292-1298.	8.2	255
13	Application of solar AOPs and ozonation for elimination of micropollutants in municipal wastewater treatment plant effluents. <i>Water Research</i> , 2013, 47, 1521-1528.	11.3	254
14	Wastewater Treatment by Advanced Oxidation Process and Their Worldwide Research Trends. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 170.	2.6	244
15	Decontamination industrial pharmaceutical wastewater by combining solar photo-Fenton and biological treatment. <i>Water Research</i> , 2009, 43, 661-668.	11.3	243
16	Photo-Fenton and modified photo-Fenton at neutral pH for the treatment of emerging contaminants in wastewater treatment plant effluents: A comparison. <i>Water Research</i> , 2013, 47, 833-840.	11.3	238
17	Treatment of emerging contaminants in wastewater treatment plants (WWTP) effluents by solar photocatalysis using low TiO ₂ concentrations. <i>Journal of Hazardous Materials</i> , 2012, 211-212, 131-137.	12.4	199
18	Application of time-of-flight mass spectrometry to the analysis of phototransformation products of diclofenac in water under natural sunlight. <i>Journal of Mass Spectrometry</i> , 2005, 40, 908-915.	1.6	186

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19	Degradation of Imidacloprid in Water by Photo-Fenton and TiO ₂ Photocatalysis at a Solar Pilot Plant: A Comparative Study. <i>Environmental Science & Technology</i> , 2001, 35, 4359-4366.	10.0	184
20	Evidence of 2,7/2,8-dibenzodichloro-p-dioxin as a photodegradation product of triclosan in water and wastewater samples. <i>Analytica Chimica Acta</i> , 2004, 524, 241-247.	5.4	178
21	Effect of water-matrix composition on Trimethoprim solar photodegradation kinetics and pathways. <i>Water Research</i> , 2010, 44, 2735-2744.	11.3	171
22	Application of Photo-Fenton as a Tertiary Treatment of Emerging Contaminants in Municipal Wastewater.. <i>Environmental Science & Technology</i> , 2010, 44, 1792-1798.	10.0	166
23	Liquid chromatography-high-resolution mass spectrometry for pesticide residue analysis in fruit and vegetables: Screening and quantitative studies. <i>Journal of Chromatography A</i> , 2013, 1287, 24-37.	3.7	159
24	Evaluation of triclosan and biphenylol in marine sediments and urban wastewaters by pressurized liquid extraction and solid phase extraction followed by gas chromatography mass spectrometry and liquid chromatography mass spectrometry. <i>Analytica Chimica Acta</i> , 2003, 480, 193-205.	5.4	153
25	Removal of pharmaceuticals and kinetics of mineralization by O ₃ /H ₂ O ₂ in a biotreated municipal wastewater. <i>Water Research</i> , 2008, 42, 3719-3728.	11.3	150
26	Effects of ozone pre-treatment on diclofenac: Intermediates, biodegradability and toxicity assessment. <i>Science of the Total Environment</i> , 2009, 407, 3572-3578.	8.0	147
27	Treatment of Municipal Wastewater Treatment Plant Effluents with Modified Photo-Fenton As a Tertiary Treatment for the Degradation of Micro Pollutants and Disinfection. <i>Environmental Science & Technology</i> , 2012, 46, 2885-2892.	10.0	146
28	Photocatalytic Treatment of Diuron by Solar Photocatalysis: A Evaluation of Main Intermediates and Toxicity. <i>Environmental Science & Technology</i> , 2003, 37, 2516-2524.	10.0	140
29	Decomposition of diclofenac by solar driven photocatalysis at pilot plant scale. <i>Catalysis Today</i> , 2005, 101, 219-226.	4.4	138
30	Toxicity assays: a way for evaluating AOPs efficiency. <i>Water Research</i> , 2002, 36, 4255-4262.	11.3	136
31	Chemical evaluation of contaminants in wastewater effluents and the environmental risk of reusing effluents in agriculture. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 676-694.	11.4	136
32	Degradation of emerging contaminants at low concentrations in MWTPs effluents with mild solar photo-Fenton and TiO ₂ . <i>Catalysis Today</i> , 2009, 144, 124-130.	4.4	126
33	New trends in the analytical determination of emerging contaminants and their transformation products in environmental waters. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3496-3515.	5.3	125
34	A new gas chromatography/mass spectrometry method for the simultaneous analysis of target and non-target organic contaminants in waters. <i>Journal of Chromatography A</i> , 2009, 1216, 4071-4082.	3.7	119
35	Comparative study of analytical methods involving gas chromatography-mass spectrometry after derivatization and gas chromatography-tandem mass spectrometry for the determination of selected endocrine disrupting compounds in wastewaters. <i>Journal of Chromatography A</i> , 2004, 1047, 129-135.	3.7	115
36	Photocatalytic degradation of pesticide pirimiphos-methyl. <i>Catalysis Today</i> , 1999, 54, 353-367.	4.4	113

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37	Photodegradation of malachite green under natural sunlight irradiation: Kinetic and toxicity of the transformation products. <i>Chemosphere</i> , 2008, 70, 2068-2075.	8.2	113
38	Chemical and toxicological evolution of the antibiotic sulfamethoxazole under ozone treatment in water solution. <i>Journal of Hazardous Materials</i> , 2011, 192, 18-25.	12.4	112
39	Determination of imidacloprid in vegetables by high-performance liquid chromatography with diode-array detection. <i>Journal of Chromatography A</i> , 1996, 721, 97-105.	3.7	110
40	Photodegradation study of three dipyrone metabolites in various water systems: Identification and toxicity of their photodegradation products. <i>Water Research</i> , 2008, 42, 2698-2706.	11.3	110
41	Determination of malachite green residues in fish using molecularly imprinted solid-phase extraction followed by liquid chromatography-linear ion trap mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 665, 47-54.	5.4	109
42	Fast determination of pesticides and other contaminants of emerging concern in treated wastewater using direct injection coupled to highly sensitive ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1507, 84-94.	3.7	100
43	Application of passive sampling devices for screening of micro-pollutants in marine aquaculture using LC-MS/MS. <i>Talanta</i> , 2009, 77, 1518-1527.	5.5	99
44	LC-MS analysis of basic pharmaceuticals (beta-blockers and anti-ulcer agents) in wastewater and surface water. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 581-594.	11.4	98
45	Degradation of caffeine and identification of the transformation products generated by ozonation. <i>Chemosphere</i> , 2009, 74, 825-831.	8.2	94
46	Comparison of various sample handling and analytical procedures for the monitoring of pesticides and metabolites in ground waters. <i>Journal of Chromatography A</i> , 1998, 823, 35-47.	3.7	90
47	Transformation products and reaction kinetics in simulated solar light photocatalytic degradation of propranolol using Ce-doped TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2013, 129, 13-29.	20.2	90
48	Application of ultra performance liquid chromatography-tandem mass spectrometry to the analysis of priority pesticides in groundwater. <i>Journal of Chromatography A</i> , 2006, 1109, 222-227.	3.7	89
49	Paracetamol degradation intermediates and toxicity during photo-Fenton treatment using different iron species. <i>Water Research</i> , 2012, 46, 5374-5380.	11.3	83
50	Combination of nanofiltration and ozonation for the remediation of real municipal wastewater effluents: Acute and chronic toxicity assessment. <i>Journal of Hazardous Materials</i> , 2017, 323, 442-451.	12.4	79
51	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.	8.0	77
52	Assessment of solar raceway pond reactors for removal of contaminants of emerging concern by photo-Fenton at circumneutral pH from very different municipal wastewater effluents. <i>Chemical Engineering Journal</i> , 2019, 366, 141-149.	12.7	77
53	Simultaneous analysis of neutral and acidic pharmaceuticals as well as related compounds by gas chromatography-tandem mass spectrometry in wastewater. <i>Talanta</i> , 2007, 73, 314-320.	5.5	76
54	Multiresidue method for the analysis of multiclass pesticides in agricultural products by gas chromatography-tandem mass spectrometry. <i>Analyst</i> , 2002, 127, 347.	3.5	75

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55	Environmental and human health risk assessment of organic micro-pollutants occurring in a Spanish marine fish farm. <i>Environmental Pollution</i> , 2010, 158, 1809-1816.	7.5	75
56	Behavior of amoxicillin in wastewater and river water: identification of its main transformation products by liquid chromatography/electrospray quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 731-742.	1.5	75
57	Strategies for reducing cost by using solar photo-Fenton treatment combined with nanofiltration to remove microcontaminants in real municipal effluents: Toxicity and economic assessment. <i>Chemical Engineering Journal</i> , 2017, 318, 161-170.	12.7	75
58	Liquid chromatography/time-of-flight mass spectrometric analyses for the elucidation of the photodegradation products of triclosan in wastewater samples. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 443-450.	1.5	74
59	Use of an accurate-mass database for the systematic identification of transformation products of organic contaminants in wastewater effluents. <i>Journal of Chromatography A</i> , 2011, 1218, 8002-8012.	3.7	72
60	Modified photo-Fenton for degradation of emerging contaminants in municipal wastewater effluents. <i>Catalysis Today</i> , 2011, 161, 241-246.	4.4	72
61	Effect of solar photo-Fenton process in raceway pond reactors at neutral pH on antibiotic resistance determinants in secondary treated urban wastewater. <i>Journal of Hazardous Materials</i> , 2019, 378, 120737.	12.4	71
62	Determination of Imidacloprid and Benzimidazole Residues in Fruits and Vegetables by Liquid Chromatography-Mass Spectrometry after Ethyl Acetate Multiresidue Extraction. <i>Journal of AOAC INTERNATIONAL</i> , 2000, 83, 748-755.	1.5	70
63	Determination of pesticide levels in wastewater from an agro-food industry: Target, suspect and transformation product analysis.. <i>Chemosphere</i> , 2019, 232, 152-163.	8.2	70
64	One-year routine application of a new method based on liquid chromatography-tandem mass spectrometry to the analysis of 16 multiclass pesticides in vegetable samples. <i>Journal of Chromatography A</i> , 2004, 1045, 125-135.	3.7	69
65	Degradation of dipyrone and its main intermediates by solar AOPs. <i>Catalysis Today</i> , 2007, 129, 207-214.	4.4	67
66	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.	11.3	67
67	Solar Photo-Fenton as Finishing Step for Biological Treatment of a Pharmaceutical Wastewater. <i>Environmental Science & Technology</i> , 2009, 43, 1185-1191.	10.0	66
68	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.	12.7	64
69	Evaluation of various liquid chromatography-quadrupole-linear ion trap-mass spectrometry operation modes applied to the analysis of organic pollutants in wastewaters. <i>Journal of Chromatography A</i> , 2009, 1216, 5995-6002.	3.7	62
70	Solar photocatalytic mineralization of commercial pesticides: acrinathrin. <i>Chemosphere</i> , 2000, 40, 403-409.	8.2	60
71	Ozonation, photocatalysis and photocatalytic ozonation of diuron. Intermediates identification. <i>Chemical Engineering Journal</i> , 2016, 292, 72-81.	12.7	60
72	LC-MS analysis and environmental risk of lipid regulators. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1269-1285.	3.7	59

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73	Solid-phase extraction followed by liquid chromatographyâ€“time-of-flightâ€“mass spectrometry to evaluate pharmaceuticals in effluents. A pilot monitoring study. <i>Journal of Environmental Monitoring</i> , 2007, 9, 718-729.	2.1	58
74	Photocatalytic degradation of pesticideâ€“acaricide formetanate in aqueous suspension of TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2001, 34, 241-252.	20.2	57
75	Cross-Contamination of Residual Emerging Contaminants and Antibiotic Resistant Bacteria in Lettuce Crops and Soil Irrigated with Wastewater Treated by Sunlight/H ₂ O ₂ . <i>Environmental Science & Technology</i> , 2015, 49, 11096-11104.	10.0	57
76	Gas chromatographic determination of organochlorine and pyrethroid pesticides of horticultural concern. <i>Journal of Chromatography A</i> , 1994, 686, 263-274.	3.7	56
77	Degradation and monitoring of acetamiprid, thiabendazole and their transformation products in an agro-food industry effluent during solar photo-Fenton treatment in a raceway pond reactor. <i>Chemosphere</i> , 2015, 130, 73-81.	8.2	55
78	Photocatalytic Pilot Scale Degradation Study of Pyrimethanil and of Its Main Degradation Products in Waters by Means of Solid-Phase Extraction Followed by Gas and Liquid Chromatography with Mass Spectrometry Detection. <i>Environmental Science & Technology</i> , 2000, 34, 1563-1571.	10.0	54
79	Gas chromatographic determination of pesticides in vegetable samples by sequential positive and negative chemical ionization and tandem mass spectrometric fragmentation using an ion trap analyser. <i>Analyst, The</i> , 2001, 126, 46-51.	3.5	53
80	Effect of residence time on micropollutant removal in WWTP secondary effluents by continuous solar photo-Fenton process in raceway pond reactors. <i>Chemical Engineering Journal</i> , 2017, 316, 1114-1121.	12.7	52
81	Gas chromatographic analysis of organophosphorus pesticides of horticultural concern. <i>Journal of Chromatography A</i> , 1993, 655, 293-300.	3.7	51
82	Benefits and pitfalls of the application of screening methods for the analysis of pesticide residues in fruits and vegetables. <i>Journal of Chromatography A</i> , 2011, 1218, 7615-7626.	3.7	51
83	Validation and application of a multiresidue method based on liquid chromatography-tandem mass spectrometry for evaluating the plant uptake of 74 microcontaminants in crops irrigated with treated municipal wastewater. <i>Journal of Chromatography A</i> , 2018, 1534, 10-21.	3.7	51
84	Fate of thiabendazole through the treatment of a simulated agro-food industrial effluent by combined MBR/Fenton processes at 1/4g/L scale. <i>Water Research</i> , 2014, 51, 55-63.	11.3	50
85	Advanced treatment of urban wastewater by UV-C/free chlorine process: Micro-pollutants removal and effect of UV-C radiation on trihalomethanes formation. <i>Water Research</i> , 2020, 169, 115220.	11.3	46
86	Splitless large-volume GC-MS injection for the analysis of organophosphorus and organochlorine pesticides in vegetables using a miniaturised ethyl acetate extraction. <i>Analyst, The</i> , 2000, 125, 1397-1402.	3.5	45
87	Solar photo-Fenton degradation of nalidixic acid in waters and wastewaters of different composition. Analytical assessment by LCâ€“TOF-MS. <i>Water Research</i> , 2011, 45, 1736-1744.	11.3	45
88	Identification and monitoring of thiabendazole transformation products in water during Fenton degradation by LC-QTOF-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5323-5337.	3.7	43
89	Determination of organic microcontaminants in agricultural soils irrigated with reclaimed wastewater: Target and suspect approaches. <i>Analytica Chimica Acta</i> , 2018, 1030, 115-124.	5.4	43
90	Solar photo-Fenton optimization for the treatment of MWTP effluents containing emerging contaminants. <i>Catalysis Today</i> , 2013, 209, 188-194.	4.4	42

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91	Combined toxicity of graphene oxide and wastewater to the green alga <i>Chlamydomonas reinhardtii</i> . <i>Environmental Science: Nano</i> , 2018, 5, 1729-1744.	4.3	41
92	Is the combination of nanofiltration membranes and AOPs for removing microcontaminants cost effective in real municipal wastewater effluents?. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 511-520.	2.4	40
93	Ecotoxicity evaluation of a WWTP effluent treated by solar photo-Fenton at neutral pH in a raceway pond reactor. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1093-1104.	5.3	40
94	Multiresidue method for the analysis of five antifouling agents in marine and coastal waters by gas chromatography-mass spectrometry with large-volume injection. <i>Journal of Chromatography A</i> , 2000, 889, 261-269.	3.7	39
95	Photochemical degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions under solar radiation. <i>Water Research</i> , 2018, 128, 61-70.	11.3	39
96	Photo-Fenton decomposition of chlorfenvinphos: Determination of reaction pathway. <i>Water Research</i> , 2009, 43, 441-449.	11.3	38
97	Determination of pesticides in sewage sludge from an agro-food industry using QuEChERS extraction followed by analysis with liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6181-6193.	3.7	37
98	Photolytic and photocatalytic degradation of quinclorac in ultrapure and paddy field water: Identification of transformation products and pathways. <i>Chemosphere</i> , 2012, 87, 838-844.	8.2	36
99	Identification of opioids in surface and wastewaters by LC/QTOF-MS using retrospective data analysis. <i>Science of the Total Environment</i> , 2019, 664, 874-884.	8.0	36
100	Determination of traces of five antifouling agents in water by gas chromatography with positive/negative chemical ionisation and tandem mass spectrometric detection. <i>Journal of Chromatography A</i> , 2001, 938, 103-111.	3.7	34
101	Determination of pesticides in milk-based infant formulas by pressurized liquid extraction followed by gas chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 1833-1840.	3.7	34
102	Hydrogen peroxide automatic dosing based on dissolved oxygen concentration during solar photo-Fenton. <i>Catalysis Today</i> , 2011, 161, 247-254.	4.4	34
103	Removal of contaminants of emerging concern by continuous flow solar photo-Fenton process at neutral pH in open reactors. <i>Journal of Environmental Management</i> , 2020, 261, 110265.	7.8	33
104	Use of porous graphitic carbon coupled with mass detection for the analysis of polar phenolic compounds by liquid chromatography. <i>Journal of Chromatography A</i> , 2001, 937, 21-29.	3.7	32
105	Solar photocatalytic treatment of quinolones: intermediates and toxicity evaluation. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 644-651.	2.9	31
106	Photolysis of flumequine: Identification of the major phototransformation products and toxicity measures. <i>Chemosphere</i> , 2012, 88, 627-634.	8.2	31
107	Removal of microcontaminants from MWTP effluents by combination of membrane technologies and solar photo-Fenton at neutral pH. <i>Catalysis Today</i> , 2015, 252, 78-83.	4.4	30
108	Determination of imidacloprid and benzimidazole residues in fruits and vegetables by liquid chromatography-mass spectrometry after ethyl acetate multiresidue extraction. <i>Journal of AOAC INTERNATIONAL</i> , 2000, 83, 748-55.	1.5	30

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109	Screening of antifouling pesticides in sea water samples at low ppt levels by GC-MS and LC-MS. <i>Chromatographia</i> , 2000, 52, 631-638.	1.3	29
110	Optimization of mild solar TiO ₂ photocatalysis as a tertiary treatment for municipal wastewater treatment plant effluents. <i>Applied Catalysis B: Environmental</i> , 2012, 128, 119-125.	20.2	29
111	Organic Microcontaminants in Tomato Crops Irrigated with Reclaimed Water Grown under Field Conditions: Occurrence, Uptake, and Health Risk Assessment. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6930-6939.	5.2	29
112	Formation of chlorinated by-products during photo-Fenton degradation of pyrimethanil under saline conditions. Influence on toxicity and biodegradability. <i>Journal of Hazardous Materials</i> , 2012, 217-218, 217-223.	12.4	28
113	Opioid occurrence in environmental water samples – A review. <i>Trends in Environmental Analytical Chemistry</i> , 2018, 20, e00059.	10.3	28
114	Identification of transformation products of carbamazepine in lettuce crops irrigated with Ultraviolet-C treated water. <i>Environmental Pollution</i> , 2019, 247, 1009-1019.	7.5	27
115	Ozone-Based Technologies in Water and Wastewater Treatment. <i>Handbook of Environmental Chemistry</i> , 2008, , 127-175.	0.4	27
116	Determination of methyl tert.-butyl ether and tert.-butyl alcohol in seawater samples using purge-and-trap enrichment coupled to gas chromatography with atomic emission and mass spectrometric detection. <i>Journal of Chromatography A</i> , 2003, 999, 81-90.	3.7	25
117	Oxidation by-products and ecotoxicity assessment during the photodegradation of fenofibric acid in aqueous solution with UV and UV/H ₂ O ₂ . <i>Journal of Hazardous Materials</i> , 2011, 194, 30-41.	12.4	24
118	Advanced evaluation of landfill leachate treatments by low and high-resolution mass spectrometry focusing on microcontaminant removal. <i>Journal of Hazardous Materials</i> , 2020, 384, 121372.	12.4	24
119	Does micropollutant removal by solar photo-Fenton reduce ecotoxicity in municipal wastewater? A comprehensive study at pilot scale open reactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2114-2122.	3.2	23
120	Reclamation of Real Urban Wastewater Using Solar Advanced Oxidation Processes: An Assessment of Microbial Pathogens and 74 Organic Microcontaminants Uptake in Lettuce and Radish. <i>Environmental Science & Technology</i> , 2019, 53, 9705-9714.	10.0	23
121	GC-MS and LC-MS evaluation of pesticide degradation products generated through advanced oxidation processes: An overview. <i>Analisis - European Journal of Analytical Chemistry</i> , 1998, 26, 123-130.	0.4	23
122	Nanofiltration retentate treatment from urban wastewater secondary effluent by solar electrochemical oxidation processes. <i>Separation and Purification Technology</i> , 2021, 254, 117614.	7.9	21
123	A new method for monitoring oestrogens, N-octylphenol, and bisphenol A in wastewater treatment plants by solid-phase extraction – gas chromatography – tandem mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2006, 86, 3-13.	3.3	20
124	Ozone-Based Technologies in Water and Wastewater Treatment. , 2008, , 127-175.		20
125	Evaluation of Relevant Time-of-Flight-MS Parameters Used in HPLC/MS Full-Scan Screening Methods for Pesticide Residues. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 1674-1684.	1.5	20
126	Application of GC-MS and GC-AED to the evaluation of by-products formed by solar photo-fenton degradation of Methyltert-butyl ether in water. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 149-159.	3.3	19

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127	Cork boiling wastewater treatment and reuse through combination of advanced oxidation technologies. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6317-6328.	5.3	19
128	Aluminized surface to improve solar light absorption in open reactors: Application for micropollutants removal in effluents from municipal wastewater treatment plants. <i>Science of the Total Environment</i> , 2021, 755, 142624.	8.0	18
129	Polystyrene nanoplastics and wastewater displayed antagonistic toxic effects due to the sorption of wastewater micropollutants. <i>Science of the Total Environment</i> , 2022, 819, 153063.	8.0	18
130	Fate of micropollutants during sewage sludge disintegration by low-frequency ultrasound. <i>Chemical Engineering Journal</i> , 2015, 280, 575-587.	12.7	17
131	Reverse Trojan-horse effect decreased wastewater toxicity in the presence of inorganic nanoparticles. <i>Environmental Science: Nano</i> , 2017, 4, 1273-1282.	4.3	17
132	Application of liquid chromatography quadrupole time-of-flight mass spectrometry to the identification of acetamiprid transformation products generated under oxidative processes in different water matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2549-2558.	3.7	16
133	Assessment of the presence of transformation products of pharmaceuticals in agricultural environments irrigated with reclaimed water by wide-scope LC-QTOF-MS suspect screening. <i>Journal of Hazardous Materials</i> , 2021, 412, 125080.	12.4	14
134	Application of a fast and sensitive method for the determination of contaminants of emerging concern in wastewater using a quick, easy, cheap, effective, rugged and safe-based extraction and liquid chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1653, 462396.	3.7	13
135	Chromatography-mass spectrometry and toxicity evaluation of selected contaminants in seawater. <i>Chromatographia</i> , 2002, 56, 199-206.	1.3	12
136	Application of gas chromatography-hybrid chemical ionization mass spectrometry to the analysis of diclofenac in wastewater samples. <i>Journal of Chromatography A</i> , 2006, 1133, 287-292.	3.7	12
137	Application of HPLC-TOF-MS and HPLC-QTOF-MS/MS for Pesticide Residues Analysis in Fruit and Vegetable Matrices. <i>Comprehensive Analytical Chemistry</i> , 2012, 58, 1-60.	1.3	11
138	Efficiency Evaluation of the Main Multiresidue Methods Used in Europe for the Analysis of Amitraz and Its Major Metabolites. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 380-388.	1.5	10
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