Carme Sans

List of Publications by Year
in descending order

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Version: 2024-02-01

72 papers	3,061 citations	147801 31 h-index	161849 54 g-index
72 all docs	72 docs citations	72 times ranked	3636 citing authors

#	Article	IF	Citations
1	Sulfamethoxazole abatement by means of ozonation. Journal of Hazardous Materials, 2008, 150, 790-794.	12.4	239
2	Nitrification, denitrification and biological phosphorus removal in piggery wastewater using a sequencing batch reactor. Bioresource Technology, 2003, 87, 103-111.	9.6	193
3	Sulfamethoxazole abatement by photo-Fenton. Journal of Hazardous Materials, 2007, 146, 459-464.	12.4	193
4	Contribution of the ozonation pre-treatment to the biodegradation of aqueous solutions of 2,4-dichlorophenol. Water Research, 2003, 37, 3164-3171.	11.3	167
5	Effects of ozone pre-treatment on diclofenac: Intermediates, biodegradability and toxicity assessment. Science of the Total Environment, 2009, 407, 3572-3578.	8.0	147
6	Bezafibrate removal by means of ozonation: Primary intermediates, kinetics, and toxicity assessment. Water Research, 2007, 41, 2525-2532.	11.3	123
7	Pharmaceuticals and organic pollution mitigation in reclamation osmosis brines by UV/H2O2 and ozone. Journal of Hazardous Materials, 2013, 263, 268-274.	12.4	99
8	Role of oxygen and DOM in sunlight induced photodegradation of organophosphorous flame retardants in river water. Journal of Hazardous Materials, 2017, 323, 242-249.	12.4	94
9	A comparative study of the advanced oxidation of 2,4-dichlorophenol. Journal of Hazardous Materials, 2004, 107, 123-129.	12.4	92
10	Accelerated degradation of iopamidol in iron activated persulfate systems: Roles of complexing agents. Chemical Engineering Journal, 2017, 316, 288-295.	12.7	85
11	Can activated sludge treatments and advanced oxidation processes remove organophosphorus flame retardants?. Environmental Research, 2016, 144, 11-18.	7.5	84
12	Promoted discoloration of methyl orange in H2O2/Fe(III) Fenton system: Effects of gallic acid on iron cycling. Separation and Purification Technology, 2016, 171, 144-150.	7.9	72
13	Removal of organophosphate esters from municipal secondary effluent by ozone and UV/H2O2 treatments. Separation and Purification Technology, 2015, 156, 1028-1034.	7.9	71
14	Priority pesticides abatement by advanced water technologies: The case of acetamiprid removal by ozonation. Science of the Total Environment, 2017, 599-600, 1454-1461.	8.0	69
15	Can ozone inactivate SARS-CoV-2? A review of mechanisms and performance on viruses. Journal of Hazardous Materials, 2021, 415, 125658.	12.4	65
16	Biological and photochemical degradation of cytostatic drugs under laboratory conditions. Journal of Hazardous Materials, 2017, 323, 319-328.	12.4	62
17	Evaluation of draw solutions and commercially available forward osmosis membrane modules for wastewater reclamation at pilot scale. Chemical Engineering Journal, 2017, 326, 1-8.	12.7	61
18	Sunlight and UVC-254 irradiation induced photodegradation of organophosphorus pesticide dichlorvos in aqueous matrices. Science of the Total Environment, 2019, 649, 592-600.	8.0	59

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19	Study of the contribution of homogeneous catalysis on heterogeneous Fe(III)/alginate mediated photo-Fenton process. Chemical Engineering Journal, 2017, 318, 272-280.	12.7	55
20	Long-term evaluation of a forward osmosis-nanofiltration demonstration plant for wastewater reuse in agriculture. Chemical Engineering Journal, 2018, 338, 383-391.	12.7	55
21	Volatile fatty acids production by mesophilic fermentation of mechanically-sorted urban organic wastes in a plug-flow reactor. Bioresource Technology, 1995, 51, 89-96.	9.6	54
22	Characterization and fate of effluent organic matter treated with UV/H2O2 and ozonation. Chemical Engineering Journal, 2013, 226, 402-408.	12.7	54
23	Abatement of ozone-recalcitrant micropollutants during municipal wastewater ozonation: Kinetic modelling and surrogate-based control strategies. Chemical Engineering Journal, 2019, 360, 1092-1100.	12.7	52
24	Performance and kinetic modelling of photolytic and photocatalytic ozonation for enhanced micropollutants removal in municipal wastewaters. Applied Catalysis B: Environmental, 2019, 249, 211-217.	20.2	49
25	Catalytic ozonation by metal ions for municipal wastewater disinfection and simulataneous micropollutants removal. Applied Catalysis B: Environmental, 2019, 259, 118104.	20.2	42
26	Acidogenic fermentation of organic urban wastes in a plug-flow reactor under thermophilic conditions. Bioresource Technology, 1995, 54, 105-110.	9.6	40
27	Photochemical oxidation of municipal secondary effluents at low H2O2 dosage: Study of hydroxyl radical scavenging and process performance. Chemical Engineering Journal, 2014, 237, 268-276.	12.7	40
28	Performance of a Sequencing Batch Biofilm Reactor for the treatment of pre-oxidized Sulfamethoxazole solutions. Water Research, 2009, 43, 2149-2158.	11.3	38
29	Combining photo-Fenton process with biological sequencing batch reactor for 2,4-dichlorophenol degradation. Water Science and Technology, 2004, 49, 293-298.	2.5	35
30	Degradation kinetics and pathways of three calcium channel blockers under UV irradiation. Water Research, 2015, 86, 9-16.	11.3	33
31	Application of solar advanced oxidation processes to the degradation of the antibiotic sulfamethoxazole. Photochemical and Photobiological Sciences, 2009, 8, 1032-1039.	2.9	32
32	Coupled photochemical-biological system to treat biorecalcitrant wastewater. Water Science and Technology, 2007, 55, 95-100.	2.5	31
33	Enhancement of pesticide photo-Fenton oxidation at high salinities. Applied Catalysis B: Environmental, 2013, 132-133, 162-169.	20.2	29
34	The roles of conjugations of graphene and Ag in Ag₃PO₄-based photocatalysts for degradation of sulfamethoxazole. Catalysis Science and Technology, 2016, 6, 5972-5981.	4.1	29
35	Continuous versus single H2O2 addition in peroxone process: Performance improvement and modelling in wastewater effluents. Journal of Hazardous Materials, 2020, 387, 121993.	12.4	27
36	Ozonation of Propranolol: Transformation, Biodegradability, and Toxicity Assessment. Journal of Environmental Engineering, ASCE, 2011, 137, 754-759.	1.4	26

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37	Ozone/H2O2Performance on the Degradation of Sulfamethoxazole. Ozone: Science and Engineering, 2015, 37, 509-517.	2.5	26
38	Photocatalytic degradation of sulfamethoxazole using TiO2 in simulated seawater: Evidence for direct formation of reactive halogen species and halogenated by-products. Science of the Total Environment, 2020, 736, 139605.	8.0	26
39	Evaluation of <scp>UV</scp>/<scp>H₂O₂</scp> for the disinfection and treatment of municipal secondary effluents for water reuse. Journal of Chemical Technology and Biotechnology, 2013, 88, 1697-1706.	3.2	25
40	Ozonation of NSAID: A Biodegradability and Toxicity Study. Ozone: Science and Engineering, 2010, 32, 91-98.	2.5	24
41	Catalytic studies for the abatement of emerging contaminants by ozonation. Journal of Chemical Technology and Biotechnology, 2015, 90, 1611-1618.	3.2	23
42	BAC filtration to mitigate micropollutants and EfOM content in reclamation reverse osmosis brines. Chemical Engineering Journal, 2015, 279, 589-596.	12.7	22
43	Identification of intermediates, acute toxicity removal, and kinetics investigation to the Ametryn treatment by direct photolysis (UV254), UV254/H2O2, Fenton, and photo-Fenton processes. Environmental Science and Pollution Research, 2019, 26, 4348-4366.	5.3	19
44	Pesticide prioritization approaches and limitations in environmental monitoring studies: From Europe to Latin America and the Caribbean. Environment International, 2020, 143, 105917.	10.0	19
45	Bacterial community characterization of a sequencing batch reactor treating pre-ozonized sulfamethoxazole in water. Environmental Technology (United Kingdom), 2013, 34, 1583-1591.	2.2	18
46	Evaluation of the main active species involved in the TiO2 photocatalytic degradation of ametryn herbicide and its by-products. Journal of Environmental Chemical Engineering, 2021, 9, 105109.	6.7	16
47	Application of bioassay panel for assessing the impact of advanced oxidation processes on the treatment of reverse osmosis brine. Journal of Chemical Technology and Biotechnology, 2014, 89, 1168-1174.	3.2	14
48	Chemicals production from wastes. Environmental Technology (United Kingdom), 1992, 13, 1033-1041.	2.2	13
49	Role of sunlight and oxygen on the performance of photo-Fenton process at near neutral pH using organic fertilizers as iron chelates. Science of the Total Environment, 2022, 803, 149873.	8.0	12
50	Assessment of Cationic Surfactants Mineralization by Ozonation and Photoâ€Fenton Process. Water Environment Research, 2009, 81, 201-205.	2.7	11
51	Fosetyl-Al photo-Fenton degradation and its endogenous catalyst inhibition. Journal of Hazardous Materials, 2014, 265, 177-184.	12.4	11
52	Experimental design applied to photo-Fenton treatment of highly methomyl-concentrated water. Water Science and Technology, 2010, 62, 2066-2074.	2.5	10
53	Comparison between Ozonation and Photo-Fenton Processes for Pesticide Methomyl Removal in Advanced Greenhouses. Ozone: Science and Engineering, 2010, 32, 259-264.	2.5	10
54	Nano-TiO2 Phototoxicity in Fresh and Seawater: Daphnia magna and Artemia sp. as Proxies. Water (Switzerland), 2021, 13, 55.	2.7	10

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55	Coagulation-flocculation followed by catalytic ozonation processes for enhanced primary treatment during wet weather conditions. Journal of Environmental Management, 2021, 283, 111975.	7.8	9
56	Characterization and fate of EfOM during ozonation applied for effective abatement of recalcitrant micropollutants. Separation and Purification Technology, 2020, 237, 116468.	7.9	8
57	Application of advanced oxidation for the removal of micropollutants in secondary effluents. Journal of Water Reuse and Desalination, 2012, 2, 121-126.	2.3	6
58	Biodegradability Improvement of Aqueous 2,4-Dichlorophenol And Nitrobenzene Solutions By Means of Single Ozonation. Ozone: Science and Engineering, 2005, 27, 381-387.	2.5	5
59	Degradation of 2,4-Dichlorophenol by Combining Photo-Assisted Fenton Reaction and Biological Treatment. Water Environment Research, 2006, 78, 590-597.	2.7	5
60	Combination of photo-Fenton and biological SBBR processes for sulfamethoxazole remediation. Water Science and Technology, 2008, 58, 1707-1713.	2.5	5
61	Oestrogenicity assessment of s-triazines by-products during ozonation. Environmental Technology (United Kingdom), 2015, 36, 1538-1546.	2.2	5
62	Abatement of 4-Chlorophenol in Aqueous Phase by Ozonation Coupled with a Sequencing Batch Biofilm Reactor (SBBR). Ozone: Science and Engineering, 2008, 30, 447-455.	2.5	4
63	Monitoring a fast thermophilic reâ€startâ€up of a digester treating the organic fraction of municipal solid waste. Environmental Technology (United Kingdom), 1993, 14, 517-530.	2.2	3
64	Characterization and Control Strategies of an Integrated Chemicalâ^'Biological System for the Remediation of Toxic Pollutants in Wastewater: A Case of Study. Industrial & Engineering Chemistry Research, 2010, 49, 6972-6976.	3.7	3
65	High salinity effect on bioremediation of pretreated pesticide lixiviates from greenhouses. Environmental Technology (United Kingdom), 2015, 36, 3221-3231.	2.2	1
66	Removal of Pharmaceutically Active Compounds (PhACs) in Wastewater by Ozone and Advanced Oxidation Processes. Handbook of Environmental Chemistry, 2020, , 269-298.	0.4	1
67	Application of solar-based oxidation to the management of empty pesticide container rinse water in Bolivia. Open Research Europe, 0, 1, 70.	2.0	1
68	Biodegradation of Photo-Fenton Pre-Treated Solutions of Sulfamethoxazole by Aerobic Communities. Molecular Biology Techniques Applied to the Determination of Existing Strains. Journal of Advanced Oxidation Technologies, 2008, 11, .	0.5	0
69	Comparison of Emerging NSAID Pollutants Degradation in Aqueous Media by O3/UV-VIS Processes. Journal of Advanced Oxidation Technologies, 2009, 12, .	0.5	0
70	New insights in photo-Fenton process at neutral pH: organic fertilizer as an iron complex for agricultural irrigation reuse.. , 0, , .		0
71	TiO2 photocatalyst reactivity in highly saline water under simulated sunlight irradiation Â. , 0, , .		0
72	Photo-Fenton treatment for the removal of contaminants of emerging concern in wastewaters. , 0, , .		0