

# 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	Role of sunlight and oxygen on the performance of photo-Fenton process at near neutral pH using organic fertilizers as iron chelates. <i>Science of the Total Environment</i> , 2022, 803, 149873.	8.0	12
2	Evaluation of the main active species involved in the TiO <sub>2</sub> photocatalytic degradation of ametryn herbicide and its by-products. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105109.	6.7	16
3	Coagulation-flocculation followed by catalytic ozonation processes for enhanced primary treatment during wet weather conditions. <i>Journal of Environmental Management</i> , 2021, 283, 111975.	7.8	9
4	Can ozone inactivate SARS-CoV-2? A review of mechanisms and performance on viruses. <i>Journal of Hazardous Materials</i> , 2021, 415, 125658.	12.4	65
5	Nano-TiO <sub>2</sub> Phototoxicity in Fresh and Seawater: <i>Daphnia magna</i> and <i>Artemia</i> sp. as Proxies. <i>Water (Switzerland)</i> , 2021, 13, 55.	2.7	10
6	Continuous versus single H <sub>2</sub> O <sub>2</sub> addition in peroxone process: Performance improvement and modelling in wastewater effluents. <i>Journal of Hazardous Materials</i> , 2020, 387, 121993.	12.4	27
7	Characterization and fate of EfOM during ozonation applied for effective abatement of recalcitrant micropollutants. <i>Separation and Purification Technology</i> , 2020, 237, 116468.	7.9	8
8	Removal of Pharmaceutically Active Compounds (PhACs) in Wastewater by Ozone and Advanced Oxidation Processes. <i>Handbook of Environmental Chemistry</i> , 2020, , 269-298.	0.4	1
9	Photocatalytic degradation of sulfamethoxazole using TiO <sub>2</sub> in simulated seawater: Evidence for direct formation of reactive halogen species and halogenated by-products. <i>Science of the Total Environment</i> , 2020, 736, 139605.	8.0	26
10	Pesticide prioritization approaches and limitations in environmental monitoring studies: From Europe to Latin America and the Caribbean. <i>Environment International</i> , 2020, 143, 105917.	10.0	19
11	Catalytic ozonation by metal ions for municipal wastewater disinfection and simultaneous micropollutants removal. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118104.	20.2	42
12	Performance and kinetic modelling of photolytic and photocatalytic ozonation for enhanced micropollutants removal in municipal wastewaters. <i>Applied Catalysis B: Environmental</i> , 2019, 249, 211-217.	20.2	49
13	Sunlight and UVC-254 irradiation induced photodegradation of organophosphorus pesticide dichlorvos in aqueous matrices. <i>Science of the Total Environment</i> , 2019, 649, 592-600.	8.0	59
14	Abatement of ozone-recalcitrant micropollutants during municipal wastewater ozonation: Kinetic modelling and surrogate-based control strategies. <i>Chemical Engineering Journal</i> , 2019, 360, 1092-1100.	12.7	52
15	Identification of intermediates, acute toxicity removal, and kinetics investigation to the Ametryn treatment by direct photolysis (UV254), UV254/H <sub>2</sub> O <sub>2</sub> , Fenton, and photo-Fenton processes. <i>Environmental Science and Pollution Research</i> , 2019, 26, 4348-4366.	5.3	19
16	Long-term evaluation of a forward osmosis-nanofiltration demonstration plant for wastewater reuse in agriculture. <i>Chemical Engineering Journal</i> , 2018, 338, 383-391.	12.7	55
17	Role of oxygen and DOM in sunlight induced photodegradation of organophosphorous flame retardants in river water. <i>Journal of Hazardous Materials</i> , 2017, 323, 242-249.	12.4	94
18	Accelerated degradation of iopamidol in iron activated persulfate systems: Roles of complexing agents. <i>Chemical Engineering Journal</i> , 2017, 316, 288-295.	12.7	85

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19	Priority pesticides abatement by advanced water technologies: The case of acetamiprid removal by ozonation. <i>Science of the Total Environment</i> , 2017, 599-600, 1454-1461.	8.0	69
20	Evaluation of draw solutions and commercially available forward osmosis membrane modules for wastewater reclamation at pilot scale. <i>Chemical Engineering Journal</i> , 2017, 326, 1-8.	12.7	61
21	Study of the contribution of homogeneous catalysis on heterogeneous Fe(III)/alginate mediated photo-Fenton process. <i>Chemical Engineering Journal</i> , 2017, 318, 272-280.	12.7	55
22	Biological and photochemical degradation of cytostatic drugs under laboratory conditions. <i>Journal of Hazardous Materials</i> , 2017, 323, 319-328.	12.4	62
23	The roles of conjugations of graphene and Ag in Ag <sub>3</sub> PO <sub>4</sub> -based photocatalysts for degradation of sulfamethoxazole. <i>Catalysis Science and Technology</i> , 2016, 6, 5972-5981.	4.1	29
24	Promoted discoloration of methyl orange in H <sub>2</sub> O <sub>2</sub> /Fe(III) Fenton system: Effects of gallic acid on iron cycling. <i>Separation and Purification Technology</i> , 2016, 171, 144-150.	7.9	72
25	Can activated sludge treatments and advanced oxidation processes remove organophosphorus flame retardants?. <i>Environmental Research</i> , 2016, 144, 11-18.	7.5	84
26	Catalytic studies for the abatement of emerging contaminants by ozonation. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1611-1618.	3.2	23
27	Oestrogenicity assessment of s-triazines by-products during ozonation. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 1538-1546.	2.2	5
28	Degradation kinetics and pathways of three calcium channel blockers under UV irradiation. <i>Water Research</i> , 2015, 86, 9-16.	11.3	33
29	BAC filtration to mitigate micropollutants and EfOM content in reclamation reverse osmosis brines. <i>Chemical Engineering Journal</i> , 2015, 279, 589-596.	12.7	22
30	Removal of organophosphate esters from municipal secondary effluent by ozone and UV/H <sub>2</sub> O <sub>2</sub> treatments. <i>Separation and Purification Technology</i> , 2015, 156, 1028-1034.	7.9	71
31	Ozone/H <sub>2</sub> O <sub>2</sub> Performance on the Degradation of Sulfamethoxazole. <i>Ozone: Science and Engineering</i> , 2015, 37, 509-517.	2.5	26
32	High salinity effect on bioremediation of pretreated pesticide lixiviates from greenhouses. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 3221-3231.	2.2	1
33	Photochemical oxidation of municipal secondary effluents at low H <sub>2</sub> O <sub>2</sub> dosage: Study of hydroxyl radical scavenging and process performance. <i>Chemical Engineering Journal</i> , 2014, 237, 268-276.	12.7	40
34	Application of bioassay panel for assessing the impact of advanced oxidation processes on the treatment of reverse osmosis brine. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1168-1174.	3.2	14
35	Fosetyl-Al photo-Fenton degradation and its endogenous catalyst inhibition. <i>Journal of Hazardous Materials</i> , 2014, 265, 177-184.	12.4	11
36	Enhancement of pesticide photo-Fenton oxidation at high salinities. <i>Applied Catalysis B: Environmental</i> , 2013, 132-133, 162-169.	20.2	29

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37	Bacterial community characterization of a sequencing batch reactor treating pre-ozonized sulfamethoxazole in water. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 1583-1591.	2.2	18
38	Pharmaceuticals and organic pollution mitigation in reclamation osmosis brines by UV/H <sub>2</sub> O <sub>2</sub> and ozone. <i>Journal of Hazardous Materials</i> , 2013, 263, 268-274.	12.4	99
39	Characterization and fate of effluent organic matter treated with UV/H <sub>2</sub> O <sub>2</sub> and ozonation. <i>Chemical Engineering Journal</i> , 2013, 226, 402-408.	12.7	54
40	Evaluation of <math>UV/H_2O_2</math> for the disinfection and treatment of municipal secondary effluents for water reuse. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1697-1706.	3.2	25
41	Application of advanced oxidation for the removal of micropollutants in secondary effluents. <i>Journal of Water Reuse and Desalination</i> , 2012, 2, 121-126.	2.3	6
42	Ozonation of Propranolol: Transformation, Biodegradability, and Toxicity Assessment. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 754-759.	1.4	26
43	Ozonation of NSAID: A Biodegradability and Toxicity Study. <i>Ozone: Science and Engineering</i> , 2010, 32, 91-98.	2.5	24
44	Experimental design applied to photo-Fenton treatment of highly methomyl-concentrated water. <i>Water Science and Technology</i> , 2010, 62, 2066-2074.	2.5	10
45	Characterization and Control Strategies of an Integrated Chemical~Biological System for the Remediation of Toxic Pollutants in Wastewater: A Case of Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 6972-6976.	3.7	3
46	Comparison between Ozonation and Photo-Fenton Processes for Pesticide Methomyl Removal in Advanced Greenhouses. <i>Ozone: Science and Engineering</i> , 2010, 32, 259-264.	2.5	10
47	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
48	Performance of a Sequencing Batch Biofilm Reactor for the treatment of pre-oxidized Sulfamethoxazole solutions. <i>Water Research</i> , 2009, 43, 2149-2158.	11.3	38
49	Application of solar advanced oxidation processes to the degradation of the antibiotic sulfamethoxazole. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1032-1039.	2.9	32
50	Comparison of Emerging NSAID Pollutants Degradation in Aqueous Media by O <sub>3</sub> /UV-VIS Processes. <i>Journal of Advanced Oxidation Technologies</i> , 2009, 12, .	0.5	0
51	Assessment of Cationic Surfactants Mineralization by Ozonation and Photo~Fenton Process. <i>Water Environment Research</i> , 2009, 81, 201-205.	2.7	11
52	Sulfamethoxazole abatement by means of ozonation. <i>Journal of Hazardous Materials</i> , 2008, 150, 790-794.	12.4	239
53	Abatement of 4-Chlorophenol in Aqueous Phase by Ozonation Coupled with a Sequencing Batch Biofilm Reactor (SBBR). <i>Ozone: Science and Engineering</i> , 2008, 30, 447-455.	2.5	4
54	Combination of photo-Fenton and biological SBBR processes for sulfamethoxazole remediation. <i>Water Science and Technology</i> , 2008, 58, 1707-1713.	2.5	5

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55	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
56	Coupled photochemical-biological system to treat biorecalcitrant wastewater. Water Science and Technology, 2007, 55, 95-100.	2.5	31
57	Bezafibrate removal by means of ozonation: Primary intermediates, kinetics, and toxicity assessment. Water Research, 2007, 41, 2525-2532.	11.3	123
58	Sulfamethoxazole abatement by photo-Fenton. Journal of Hazardous Materials, 2007, 146, 459-464.	12.4	193
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	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
61	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
62	A comparative study of the advanced oxidation of 2,4-dichlorophenol. Journal of Hazardous Materials, 2004, 107, 123-129.	12.4	92
63	Nitrification, denitrification and biological phosphorus removal in piggery wastewater using a sequencing batch reactor. Bioresource Technology, 2003, 87, 103-111.	9.6	193
64	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
65	Acidogenic fermentation of organic urban wastes in a plug-flow reactor under thermophilic conditions. Bioresource Technology, 1995, 54, 105-110.	9.6	40
66	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
67	Monitoring a fast thermophilic re-start of a digester treating the organic fraction of municipal solid waste. Environmental Technology (United Kingdom), 1993, 14, 517-530.	2.2	3
68	Chemicals production from wastes. Environmental Technology (United Kingdom), 1992, 13, 1033-1041.	2.2	13
69	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
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. , 0, , .		0
72	Photo-Fenton treatment for the removal of contaminants of emerging concern in wastewaters. , 0, , .		0