

# Carmen María Domínguez Torre

## List of Publications by Year in descending order

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55  
papers

2,294  
citations

172457

29  
h-index

214800

47  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2111  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diuron abatement using activated persulphate: Effect of pH, Fe(II) and oxidant dosage. <i>Chemical Engineering Journal</i> , 2010, 162, 257-265.	12.7	199
2	Kinetic study of diuron oxidation and mineralization by persulphate: Effects of temperature, oxidant concentration and iron dosage method. <i>Chemical Engineering Journal</i> , 2011, 170, 127-135.	12.7	140
3	Lindane degradation by electrooxidation process: Effect of electrode materials on oxidation and mineralization kinetics. <i>Water Research</i> , 2018, 135, 220-230.	11.3	111
4	Highly efficient application of activated carbon as catalyst for wet peroxide oxidation. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 663-670.	20.2	91
5	Abatement of chlorinated compounds in groundwater contaminated by HCH wastes using ISCO with alkali activated persulfate. <i>Science of the Total Environment</i> , 2018, 615, 1070-1077.	8.0	89
6	Removal of lindane wastes by advanced electrochemical oxidation. <i>Chemosphere</i> , 2018, 202, 400-409.	8.2	80
7	Soil remediation by Fenton-like process: Phenol removal and soil organic matter modification. <i>Chemical Engineering Journal</i> , 2011, 170, 36-43.	12.7	71
8	Optimization of electro-Fenton process for effective degradation of organochlorine pesticide lindane. <i>Catalysis Today</i> , 2018, 313, 196-202.	4.4	66
9	Ionic liquids breakdown by Fenton oxidation. <i>Catalysis Today</i> , 2015, 240, 16-21.	4.4	64
10	Use of Fenton reagent combined with humic acids for the removal of PFOA from contaminated water. <i>Science of the Total Environment</i> , 2016, 563-564, 657-663.	8.0	57
11	Supported gold nanoparticle catalysts for wet peroxide oxidation. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 81-89.	20.2	56
12	Methanol-enhanced degradation of carbon tetrachloride by alkaline activation of persulfate: Kinetic model. <i>Science of the Total Environment</i> , 2019, 666, 631-640.	8.0	55
13	Graphite and carbon black materials as catalysts for wet peroxide oxidation. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 599-606.	20.2	54
14	Degradation of imidazolium-based ionic liquids in aqueous solution by Fenton oxidation. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1197-1202.	3.2	53
15	Selective removal of chlorinated organic compounds from lindane wastes by combination of nonionic surfactant soil flushing and Fenton oxidation. <i>Chemical Engineering Journal</i> , 2019, 376, 120009.	12.7	52
16	Remediation of soil contaminated by lindane wastes using alkaline activated persulfate: Kinetic model. <i>Chemical Engineering Journal</i> , 2020, 393, 124646.	12.7	50
17	Kinetic of oxidation and mineralization of priority and emerging pollutants by activated persulfate. <i>Chemical Engineering Journal</i> , 2012, 213, 225-234.	12.7	49
18	Remediation of a biodiesel blend-contaminated soil by using a modified Fenton process. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12198-12207.	5.3	49

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19	Etherification of Glycerol by <i>tert</i> -Butyl Alcohol: Kinetic Model. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 9500-9509.	3.7	45
20	Treatment of real winery wastewater by wet oxidation at mild temperature. <i>Separation and Purification Technology</i> , 2014, 129, 121-128.	7.9	45
21	Thermally activated persulfate for the chemical oxidation of chlorinated organic compounds in groundwater. <i>Journal of Environmental Management</i> , 2020, 261, 110240.	7.8	44
22	The use of cyclic voltammetry to assess the activity of carbon materials for hydrogen peroxide decomposition. <i>Carbon</i> , 2013, 60, 76-83.	10.3	43
23	Abatement of dichloromethane using persulfate activated by alkali: A kinetic study. <i>Separation and Purification Technology</i> , 2020, 241, 116679.	7.9	42
24	Remediation of soil polluted with herbicides by Fenton-like reaction: Kinetic model of diuron degradation. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 252-260.	20.2	37
25	Degradation of HCHs by thermally activated persulfate in soil system: Effect of temperature and oxidant concentration. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105668.	6.7	37
26	Role of the chemical structure of ionic liquids in their ecotoxicity and reactivity towards Fenton oxidation. <i>Separation and Purification Technology</i> , 2015, 150, 252-256.	7.9	36
27	Kinetics of wet peroxide oxidation of phenol with a gold/activated carbon catalyst. <i>Chemical Engineering Journal</i> , 2014, 253, 486-492.	12.7	34
28	Partitioning of chlorinated organic compounds from dense non-aqueous phase liquids and contaminated soils from lindane production wastes to the aqueous phase. <i>Chemosphere</i> , 2020, 239, 124798.	8.2	34
29	Kinetics of Lindane Dechlorination by Zerovalent Iron Microparticles: Effect of Different Salts and Stability Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 12776-12785.	3.7	32
30	Remediation of HCHs-contaminated sediments by chemical oxidation treatments. <i>Science of the Total Environment</i> , 2021, 751, 141754.	8.0	32
31	Diuron abatement in contaminated soil using Fenton-like process. <i>Chemical Engineering Journal</i> , 2012, 183, 357-364.	12.7	31
32	Degradation of Hexachlorocyclohexanes (HCHs) by Stable Zero Valent Iron (ZVI) Microparticles. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	30
33	Compatibility of nonionic and anionic surfactants with persulfate activated by alkali in the abatement of chlorinated organic compounds in aqueous phase. <i>Science of the Total Environment</i> , 2021, 751, 141782.	8.0	30
34	Removal of organochlorine pesticides from lindane production wastes by electrochemical oxidation. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34985-34994.	5.3	29
35	Application of Chelating Agents to Enhance Fenton Process in Soil Remediation: A Review. <i>Catalysts</i> , 2021, 11, 722.	3.5	28
36	Remediation of real soil polluted with hexachlorocyclohexanes ( $\hat{1}$ -HCH and $\hat{2}$ -HCH) using combined thermal and alkaline activation of persulfate: Optimization of the operating conditions. <i>Separation and Purification Technology</i> , 2021, 270, 118795.	7.9	27

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37	In situ chemical reduction of chlorinated organic compounds from lindane production wastes by zero valent iron microparticles. <i>Journal of Water Process Engineering</i> , 2018, 26, 146-155.	5.6	26
38	Comparison of real wastewater oxidation with Fenton/Fenton-like and persulfate activated by NaOH and Fe(II). <i>Journal of Environmental Management</i> , 2020, 255, 109926.	7.8	25
39	Etherification of Glycerol with Benzyl Alcohol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 14545-14555.	3.7	23
40	Remediation of soil contaminated by <scp>NAPLs</scp> using modified Fenton reagent: application to gasoline type compounds. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 754-764.	3.2	23
41	Phenol abatement using persulfate activated by nZVI, H <sub>2</sub> O <sub>2</sub> and NaOH and development of a kinetic model for alkaline activation. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 35-43.	2.2	23
42	Improved Etherification of Glycerol with Tert-Butyl Alcohol by the Addition of Dibutyl Ether as Solvent. <i>Catalysts</i> , 2019, 9, 378.	3.5	21
43	Degradation of imidazolium-based ionic liquids by catalytic wet peroxide oxidation with carbon and magnetic iron catalysts. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2882-2887.	3.2	18
44	Abatement of chlorobenzenes in aqueous phase by persulfate activated by alkali enhanced by surfactant addition. <i>Journal of Environmental Management</i> , 2022, 306, 114475.	7.8	18
45	Glycerol etherification over acid ion exchange resins: effect of catalyst concentration and reusability. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 2027-2038.	3.2	17
46	Humic acids extracted from compost as amendments for Fenton treatment of diesel-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2020, 27, 22225-22234.	5.3	17
47	Abatement of 1,2,4-Trichlorobenzene by Wet Peroxide Oxidation Catalysed by Goethite and Enhanced by Visible LED Light at Neutral pH. <i>Catalysts</i> , 2021, 11, 139.	3.5	16
48	Wet Peroxide Oxidation of Chlorobenzenes Catalyzed by Goethite and Promoted by Hydroxylamine. <i>Catalysts</i> , 2019, 9, 553.	3.5	15
49	Soil flushing pilot test in a landfill polluted with liquid organic wastes from lindane production. <i>Heliyon</i> , 2019, 5, e02875.	3.2	13
50	Kinetics of imidazolium-based ionic liquids degradation in aqueous solution by Fenton oxidation. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34811-34817.	5.3	10
51	Regeneration of Granulated Spent Activated Carbon with 1,2,4-Trichlorobenzene Using Thermally Activated Persulfate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 9611-9620.	3.7	5
52	Non-Ionic Surfactant Recovery in Surfactant Enhancement Aquifer Remediation Effluent with Chlorobenzenes by Semivolatile Chlorinated Organic Compounds Volatilization. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7547.	2.6	2
53	Special Issue on "Green Catalysts: Application to Waste and Groundwater Treatment". <i>Catalysts</i> , 2021, 11, 1043.	3.5	0
54	Exploring the application of chemical oxidation treatments for the remediation of HCHs-contaminated soil. <i>Á, O, , .</i>		0

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55	Abatement of Naphthalene by Persulfate Activated by Goethite and Visible LED Light at Neutral pH: Effect of Common Ions and Organic Matter. <i>Catalysts</i> , 2022, 12, 732.	3.5	0