

# Salvador Cotillas

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,845  
citations

218381

26  
h-index

276539

41  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1507  
citing authors

#	ARTICLE	IF	CITATIONS
1	Disinfection of polymicrobial urines by electrochemical oxidation: Removal of antibiotic-resistant bacteria and genes. <i>Journal of Hazardous Materials</i> , 2022, 426, 128028.	6.5	20
2	The integration of ZVI-dehalogenation and electrochemical oxidation for the treatment of complex effluents polluted with iodinated compounds. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107587.	3.3	4
3	Enhancement of UV disinfection of urine matrixes by electrochemical oxidation. <i>Journal of Hazardous Materials</i> , 2021, 410, 124548.	6.5	23
4	A tube-in-tube membrane microreactor for tertiary treatment of urban wastewaters by photo-Fenton at neutral pH: A proof of concept. <i>Chemosphere</i> , 2021, 263, 128049.	4.2	17
5	The role of chloramines on the electrodisinfection of <i>Klebsiella pneumoniae</i> in hospital urines. <i>Chemical Engineering Journal</i> , 2021, 409, 128253.	6.6	23
6	Disinfection of urines using an electro-ozonizer. <i>Electrochimica Acta</i> , 2021, 382, 138343.	2.6	12
7	Are we correctly targeting the research on disinfection of antibiotic-resistant bacteria (ARB)? <i>Journal of Cleaner Production</i> , 2021, 320, 128865.	4.6	11
8	A review on disinfection technologies for controlling the antibiotic resistance spread. <i>Science of the Total Environment</i> , 2021, 797, 149150.	3.9	37
9	Electrochemical Technologies to Decrease the Chemical Risk of Hospital Wastewater and Urine. <i>Molecules</i> , 2021, 26, 6813.	1.7	13
10	Scaling-up an integrated electrodisinfection-electrocoagulation process for wastewater reclamation. <i>Chemical Engineering Journal</i> , 2020, 380, 122415.	6.6	39
11	Innovative photoelectrochemical cell for the removal of CHCs from soil washing wastes. <i>Separation and Purification Technology</i> , 2020, 230, 115876.	3.9	13
12	Treatment of mining wastewater polluted with cyanide by coagulation processes: A mechanistic study. <i>Separation and Purification Technology</i> , 2020, 237, 116345.	3.9	46
13	Removal of antibiotic resistant bacteria by electrolysis with diamond anodes: A pretreatment or a tertiary treatment?. <i>Journal of Water Process Engineering</i> , 2020, 38, 101557.	2.6	18
14	Single and combined electrochemical oxidation driven processes for the treatment of slaughterhouse wastewater. <i>Journal of Cleaner Production</i> , 2020, 270, 121858.	4.6	27
15	Improving the biodegradability of hospital urines polluted with chloramphenicol by the application of electrochemical oxidation. <i>Science of the Total Environment</i> , 2020, 725, 138430.	3.9	46
16	Environmental applications of electrochemical technology. What is needed to enable full-scale applications?. <i>Current Opinion in Electrochemistry</i> , 2019, 16, 149-156.	2.5	87
17	Can the substrate of the diamond anodes influence on the performance of the electrosynthesis of oxidants?. <i>Journal of Electroanalytical Chemistry</i> , 2019, 850, 113416.	1.9	19
18	Scaling up Photoelectrocatalytic Reactors: A TiO <sub>2</sub> Nanotube-Coated Disc Compound Reactor Effectively Degrades Acetaminophen. <i>Water (Switzerland)</i> , 2019, 11, 2522.	1.2	19

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19	The Role of the Anode Material in Selective Penicillin G Oxidation in Urine. <i>ChemElectroChem</i> , 2019, 6, 1376-1384.	1.7	31
20	Sono- and photoelectrocatalytic processes for the removal of ionic liquids based on the 1-butyl-3-methylimidazolium cation. <i>Journal of Hazardous Materials</i> , 2019, 372, 77-84.	6.5	16
21	Degradation of dye Procion Red MX-5B by electrolytic and electro-irradiated technologies using diamond electrodes. <i>Chemosphere</i> , 2018, 199, 445-452.	4.2	45
22	Disinfection of urine by conductive-diamond electrochemical oxidation. <i>Applied Catalysis B: Environmental</i> , 2018, 229, 63-70.	10.8	48
23	Electrolysis with diamond anodes: Eventually, there are refractory species!. <i>Chemosphere</i> , 2018, 195, 771-776.	4.2	18
24	Removal of Procion Red MX-5B dye from wastewater by conductive-diamond electrochemical oxidation. <i>Electrochimica Acta</i> , 2018, 263, 1-7.	2.6	124
25	Electrolytic and electro-irradiated technologies for the removal of chloramphenicol in synthetic urine with diamond anodes. <i>Water Research</i> , 2018, 128, 383-392.	5.3	61
26	Influence of the supporting electrolyte on the removal of ionic liquids by electrolysis with diamond anodes. <i>Catalysis Today</i> , 2018, 313, 203-210.	2.2	17
27	Removal of pharmaceuticals from the urine of polymedicated patients: A first approach. <i>Chemical Engineering Journal</i> , 2018, 331, 606-614.	6.6	36
28	Removal of 2,4-D herbicide in soils using a combined process based on washing and adsorption electrochemically assisted. <i>Separation and Purification Technology</i> , 2018, 194, 19-25.	3.9	22
29	Treatment of Soil-Washing Effluents Polluted with Herbicide Oxyfluorfen by Combined Biosorption and Electrolysis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 1903-1910.	1.8	22
30	Removal of pendimethalin from soil washing effluents using electrolytic and electro-irradiated technologies based on diamond anodes. <i>Applied Catalysis B: Environmental</i> , 2017, 213, 190-197.	10.8	35
31	Is it really important the addition of salts for the electrolysis of soil washing effluents?. <i>Electrochimica Acta</i> , 2017, 246, 372-379.	2.6	40
32	Removal of sulfate from mining waters by electrocoagulation. <i>Separation and Purification Technology</i> , 2017, 182, 87-93.	3.9	73
33	Electrocoagulation as a key technique in the integrated urban water cycle – A case study in the centre of Spain. <i>Urban Water Journal</i> , 2017, 14, 650-654.	1.0	10
34	Synergistic integration of sonochemical and electrochemical disinfection with DSA anodes. <i>Chemosphere</i> , 2016, 163, 562-568.	4.2	42
35	Use of DiaCell modules for the electro-disinfection of secondary-treated wastewater with diamond anodes. <i>Chemical Engineering Journal</i> , 2016, 306, 433-440.	6.6	40
36	Scale-up of electrolytic and photoelectrolytic processes for water reclaiming: a preliminary study. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19713-19722.	2.7	19

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37	Use of conductive diamond photo-electrochemical oxidation for the removal of pesticide glyphosate. Separation and Purification Technology, 2016, 167, 127-135.	3.9	42
38	Removal of algae from biological cultures: a challenge for electrocoagulation?. Journal of Chemical Technology and Biotechnology, 2016, 91, 82-87.	1.6	15
39	Removal of herbicide glyphosate by conductive-diamond electrochemical oxidation. Applied Catalysis B: Environmental, 2016, 188, 305-312.	10.8	82
40	Electrolytic and electro-irradiated processes with diamond anodes for the oxidation of persistent pollutants and disinfection of urban treated wastewater. Journal of Hazardous Materials, 2016, 319, 93-101.	6.5	91
41	Activation by light irradiation of oxidants electrochemically generated during Rhodamine B elimination. Journal of Electroanalytical Chemistry, 2015, 757, 144-149.	1.9	26
42	Irradiation-assisted electrochemical processes for the removal of persistent organic pollutants from wastewater. Journal of Applied Electrochemistry, 2015, 45, 799-808.	1.5	48
43	Conductive diamond sono-electrochemical disinfection (CDSSED) for municipal wastewater reclamation. Ultrasonics Sonochemistry, 2015, 22, 493-498.	3.8	27
44	Use of carbon felt cathodes for the electrochemical reclamation of urban treated wastewaters. Applied Catalysis B: Environmental, 2015, 162, 252-259.	10.8	79
45	Effect of bipolar electrode material on the reclamation of urban wastewater by an integrated electrodisinfection/electrocoagulation process. Water Research, 2014, 53, 329-338.	5.3	64
46	Coupling UV irradiation and electrocoagulation for reclamation of urban wastewater. Electrochimica Acta, 2014, 140, 396-403.	2.6	34
47	Novel electrodialysis-electrochlorination integrated process for the reclamation of treated wastewaters. Separation and Purification Technology, 2014, 132, 362-369.	3.9	29
48	Optimization of an integrated electrodisinfection/electrocoagulation process with Al bipolar electrodes for urban wastewater reclamation. Water Research, 2013, 47, 1741-1750.	5.3	88
49	Electrochemical Synthesis of Peroxyacetic Acid Using Conductive Diamond Electrodes. Industrial & Engineering Chemistry Research, 2011, 50, 10889-10893.	1.8	21
50	Improvements in the Electrochemical Production of Ferrates with Conductive Diamond Anodes Using Goethite as Raw Material and Ultrasound. Industrial & Engineering Chemistry Research, 2011, 50, 7073-7076.	1.8	22