

Florence Fourcade

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67
papers

1,776
citations

27
h-index

40
g-index

68
ext. papers

2,031
ext. citations

6.1
avg, IF

4.9
L-index

#	Paper	IF	Citations
67	Removal of tetracycline hydrochloride from water based on direct anodic oxidation (Pb/PbO ₂ electrode) coupled to activated sludge culture. <i>Chemical Engineering Journal</i> , 2013 , 221, 418-425	14.7	92
66	Removal of antibiotics by an integrated process coupling photocatalysis and biological treatment □ Case of tetracycline and tylosin. <i>International Biodeterioration and Biodegradation</i> , 2011 , 65, 997-1003	4.8	91
65	Effective heterogeneous electro-Fenton process for the degradation of a malodorous compound, indole, using iron loaded alginate beads as a reusable catalyst. <i>Applied Catalysis B: Environmental</i> , 2016 , 182, 47-58	21.8	80
64	Degradation of enoxacin antibiotic by the electro-Fenton process: Optimization, biodegradability improvement and degradation mechanism. <i>Journal of Environmental Management</i> , 2016 , 165, 96-105	7.9	73
63	Relevance of an electrochemical process prior to a biological treatment for the removal of an organophosphorous pesticide, phosmet. <i>Journal of Hazardous Materials</i> , 2010 , 181, 617-23	12.8	68
62	Electro-Fenton catalyzed with magnetic chitosan beads for the removal of Chlordimeform insecticide. <i>Applied Catalysis B: Environmental</i> , 2018 , 226, 346-359	21.8	66
61	Electrochemical oxidation of 2,4-Dichlorophenoxyacetic acid: Analysis of by-products and improvement of the biodegradability. <i>Chemical Engineering Journal</i> , 2012 , 195-196, 208-217	14.7	65
60	Tetracycline degradation and mineralization by the coupling of an electro-Fenton pretreatment and a biological process. <i>Journal of Chemical Technology and Biotechnology</i> , 2013 , 88, 1380-1386	3.5	64
59	Biodegradability Improvement of Sulfamethazine Solutions by Means of an electro-Fenton Process. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 2023-2034	2.6	54
58	Combined process for 2,4-Dichlorophenoxyacetic acid treatment □ Coupling of an electrochemical system with a biological treatment. <i>Biochemical Engineering Journal</i> , 2013 , 70, 17-22	4.2	51
57	Feasibility of an electrochemical pre-treatment prior to a biological treatment for tetracycline removal. <i>Separation and Purification Technology</i> , 2011 , 83, 151-156	8.3	49
56	Indirect electroreduction as pretreatment to enhance biodegradability of metronidazole. <i>Journal of Hazardous Materials</i> , 2014 , 278, 172-9	12.8	45
55	Improvement of the activated sludge treatment by its combination with electro Fenton for the mineralization of sulfamethazine. <i>International Biodeterioration and Biodegradation</i> , 2014 , 88, 29-36	4.8	42
54	Selective and quantitative nitrate electroreduction to ammonium using a porous copper electrode in an electrochemical flow cell. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 727, 148-153	4.1	41
53	Electrochemical Pre-Treatment Combined with Biological Treatment for the Degradation of Methylene Blue Dye: Pb/PbO ₂ Electrode and Modeling-Optimization through Central Composite Design. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 14743-14751	3.9	39
52	Photocatalytic degradation of bezacryl yellow in batch reactors—feasibility of the combination of photocatalysis and a biological treatment. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 1-10	2.6	37
51	Heat Attachment Method for the Immobilization of TiO ₂ on Glass Plates: Application to Photodegradation of Basic Yellow Dye and Optimization of Operating Parameters, Using Response Surface Methodology. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 3813-3819	3.9	37

50	Reactive oxygen and iron species monitoring to investigate the electro-Fenton performances. Impact of the electrochemical process on the biodegradability of metronidazole and its by-products. <i>Chemosphere</i> , 2018 , 199, 486-494	8.4	36
49	Metronidazole removal by means of a combined system coupling an electro-Fenton process and a conventional biological treatment: By-products monitoring and performance enhancement. <i>Journal of Hazardous Materials</i> , 2018 , 359, 85-95	12.8	35
48	Response surface methodology for the optimization of the electrochemical degradation of phenol on Pb/PbO ₂ electrode. <i>Environmental Progress and Sustainable Energy</i> , 2012 , 31, 515-523	2.5	34
47	Mineralization of synthetic and industrial pharmaceutical effluent containing trimethoprim by combining electro-Fenton and activated sludge treatment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 53, 58-67	5.3	33
46	Combination of an electrochemical pretreatment with a biological oxidation for the mineralization of nonbiodegradable organic dyes: Basic yellow 28 dye. <i>Environmental Progress and Sustainable Energy</i> , 2014 , 33, 160-169	2.5	33
45	Efficiency of DMSO as hydroxyl radical probe in an Electrochemical Advanced Oxidation Process □ Reactive oxygen species monitoring and impact of the current density. <i>Electrochimica Acta</i> , 2017 , 246, 1-8	6.7	31
44	Photocatalysis as a pre-treatment prior to a biological degradation of cyproconazole. <i>Desalination</i> , 2011 , 281, 61-67	10.3	29
43	Direct and indirect electrochemical reduction prior to a biological treatment for dimetridazole removal. <i>Journal of Hazardous Materials</i> , 2017 , 335, 10-17	12.8	28
42	Relevance of a combined process coupling electro-Fenton and biological treatment for the remediation of sulfamethazine solutions □ Application to an industrial pharmaceutical effluent. <i>Comptes Rendus Chimie</i> , 2015 , 18, 39-44	2.7	28
41	Electro-Fenton pretreatment for the improvement of tylosin biodegradability. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 8534-42	5.1	27
40	Combination of the Electro/Fe/peroxydisulfate (PDS) process with activated sludge culture for the degradation of sulfamethazine. <i>Environmental Toxicology and Pharmacology</i> , 2017 , 53, 34-39	5.8	25
39	Combined electrochemical treatment/biological process for the removal of a commercial herbicide solution, U46D□ . <i>Separation and Purification Technology</i> , 2014 , 132, 704-711	8.3	25
38	A new bipyridyl cobalt complex for reductive dechlorination of pesticides. <i>Electrochimica Acta</i> , 2016 , 207, 313-320	6.7	24
37	Direct electrochemical oxidation of a pesticide, 2,4-dichlorophenoxyacetic acid, at the surface of a graphite felt electrode: Biodegradability improvement. <i>Comptes Rendus Chimie</i> , 2015 , 18, 32-38	2.7	23
36	Preparation of Silver-Modified Nickel Foams by Galvanic Displacement and Their Use as Cathodes for the Reductive Dechlorination of Herbicides. <i>ChemElectroChem</i> , 2016 , 3, 2084-2092	4.3	21
35	Alachlor dechlorination prior to an electro-Fenton process: Influence on the biodegradability of the treated solution. <i>Separation and Purification Technology</i> , 2020 , 232, 115936	8.3	20
34	Removal of herbicidal ionic liquids by electrochemical advanced oxidation processes combined with biological treatment. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 1093-1099	2.6	19
33	Removal of a mixture tetracycline-tylosin from water based on anodic oxidation on a glassy carbon electrode coupled to activated sludge. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 1837-46	2.6	19

32	Combined process for removal of tetracycline antibiotic [Coupling pre-treatment with a nickel-modified graphite felt electrode and a biological treatment. <i>International Biodeterioration and Biodegradation</i> , 2015 , 103, 147-153	4.8	18
31	Relevance of Photocatalysis prior to Biological Treatment of Organic Pollutants [Selection Criteria. <i>Chemical Engineering and Technology</i> , 2012 , 35, 238-246	2	17
30	Integration of photocatalysis and biological treatment for azo dye removal--application to AR183. <i>Environmental Technology (United Kingdom)</i> , 2011 , 32, 507-14	2.6	17
29	The feasibility of combining an electrochemical treatment on a carbon felt electrode and a biological treatment for the degradation of tetracycline and tylosin [Application of the experimental design methodology. <i>Separation Science and Technology</i> , 2018 , 53, 337-348	2.5	15
28	Reductive dehalogenation of 1,3-dichloropropane by a [Ni(tetramethylcyclam)]Br ₂ -Nafion [®] modified electrode. <i>Electrochimica Acta</i> , 2014 , 137, 511-517	6.7	15
27	Flow electrolysis on high surface electrode for biodegradability enhancement of sulfamethazine solutions. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 707, 122-128	4.1	15
26	Electrochemical Reduction Prior to Electro-Fenton Oxidation of Azo Dyes: Impact of the Pretreatment on Biodegradability. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	15
25	Effect of electro-Fenton application on azo dyes biodegradability. <i>Environmental Progress and Sustainable Energy</i> , 2011 , 30, 160-167	2.5	15
24	Reductive dechlorination of a chloroacetanilide herbicide in water by a Co complex-supported catalyst. <i>Molecular Catalysis</i> , 2017 , 432, 8-14	3.3	14
23	Reductive dehalogenation of a chloroacetanilide herbicide in a flow electrochemical cell fitted with Ag-modified Ni foams. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 1572-1578	3.5	14
22	Electrocatalytic reduction of metronidazole using titanocene/Nafion [®] -modified graphite felt electrode. <i>Electrochimica Acta</i> , 2016 , 191, 821-831	6.7	13
21	Ni-coated graphite felt modified with Ag nanoparticles: A new electrode material for electro-reductive dechlorination. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 849, 113357	4.1	13
20	Electrochemical technologies coupled with biological treatments. <i>Current Opinion in Electrochemistry</i> , 2021 , 26, 100668	7.2	11
19	A novel system coupling an electro-Fenton process and an advanced biological process to remove a pharmaceutical compound, metronidazole. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125705	12.8	11
18	Electro Fenton removal of clopyralid in soil washing effluents. <i>Chemosphere</i> , 2019 , 237, 124447	8.4	10
17	Iron oxide nanoparticles as heterogeneous electro-Fenton catalysts for the removal of AR18 azo dye. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 2146-2153	2.6	10
16	Enhancement of the biodegradability of a mixture of dyes (methylene blue and basic yellow 28) using the electrochemical process on a glassy carbon electrode. <i>Desalination and Water Treatment</i> , 2016 , 57, 12316-12323		8
15	Sulfamethazine removal by means of a combined process coupling an oxidation pretreatment and activated sludge culture - preliminary results. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 2684-2690	2.6	7

14	Hybrid electrochemical and biological treatment of herbicidal ionic liquids comprising the MCPA anion. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 181, 172-179	7	7
13	Energetic valorization of ammonium resulting from nitrate electrochemical reduction Feasibility of biohydrogen production. <i>Biochemical Engineering Journal</i> , 2015 , 94, 145-152	4.2	5
12	Enoxacin degradation by photo-Fenton process combined with a biological treatment: optimization and improvement of by-products biodegradability. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 655-666	3.3	5
11	Supported photocatalysis as a pre-treatment prior to biological degradation for the removal of some dyes from aqueous solutions; Acid Red 183, Biebrich Scarlet, Methyl Red Sodium Salt, Orange II. <i>Journal of Chemical Technology and Biotechnology</i> , 2010 , 85, n/a-n/a	3.5	5
10	Integrated Process for Degradation of Amitrole in Wastewaters: Photocatalysis/Biodegradation. <i>International Journal of Chemical Reactor Engineering</i> , 2007 , 5,	1.2	5
9	Bismuth coated graphite felt modified by silver particles for selective electroreduction of CO ₂ into formate in a flow cell. <i>Electrochimica Acta</i> , 2021 , 371, 137821	6.7	5
8	Metallic nanoparticles for electrocatalytic reduction of halogenated organic compounds: A review. <i>Electrochimica Acta</i> , 2021 , 377, 138039	6.7	5
7	Nickel foam as a new material for chlortetracycline electrochemical oxidation: Biodegradability improvement and biological treatment. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 878, 114543	4.1	4
6	Efficient Dechlorination of Halocarbonyl and Haloallyl Pollutants by Electroreduction on Bismuth. <i>Environmental Science & Technology</i> , 2020 , 54, 559-567	10.3	4
5	Electrochemical Processes Coupled to a Biological Treatment for the Removal of Iodinated X-ray Contrast Media Compounds. <i>Frontiers in Chemistry</i> , 2020 , 8, 646	5	3
4	Immobilization of synthetic gold nanoparticles on a three-dimensional porous electrode. <i>Electrochemistry Communications</i> , 2018 , 88, 15-18	5.1	2
3	Electro-reductive deiodination of iohexol catalyzed by vitamin B12 and biodegradability investigation. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 897, 115559	4.1	2
2	Development of a new cathode for the electro-Fenton process combining carbon felt and iron-containing organic/inorganic hybrids. <i>Comptes Rendus Chimie</i> , 2019 , 22, 238-249	2.7	1
1	Improvement of the biodegradability of diatrizoate by electroreduction of its amido groups. <i>Separation and Purification Technology</i> , 2022 , 285, 120317	8.3	0