

Groenen Serrano

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,910
citations

331670

21
h-index

361022

35
g-index

37
all docs

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docs citations

37
times ranked

2038
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical preparation of peroxodisulfuric acid using boron doped diamond thin film electrodes. <i>Electrochimica Acta</i> , 2002, 48, 431-436.	5.2	286
2	Chemically modified graphite felt as an efficient cathode in electro-Fenton for p-nitrophenol degradation. <i>Electrochimica Acta</i> , 2014, 140, 376-383.	5.2	192
3	On the role of salts for the treatment of wastewaters containing pharmaceuticals by electrochemical oxidation using a boron doped diamond anode. <i>Electrochimica Acta</i> , 2017, 231, 309-318.	5.2	139
4	Electrochemical sensors and devices for heavy metals assay in water: the French groups' contribution. <i>Frontiers in Chemistry</i> , 2014, 2, 19.	3.6	123
5	Electrochemical incineration of cresols: A comparative study between PbO ₂ and boron-doped diamond anodes. <i>Chemosphere</i> , 2009, 74, 1340-1347.	8.2	115
6	Recent updates on electrochemical degradation of bio-refractory organic pollutants using BDD anode: a mini review. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8417-8431.	5.3	93
7	A comparison of electrochemical degradation of phenol on boron doped diamond and lead dioxide anodes. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 329-337.	2.9	89
8	Electrochemical reduction of trivalent uranium ions in molten chlorides. <i>Journal of Applied Electrochemistry</i> , 1999, 29, 497-503.	2.9	84
9	Degradation and mechanism of 2,4-dichlorophenoxyacetic acid (2,4-D) by thermally activated persulfate oxidation. <i>Chemosphere</i> , 2018, 212, 784-793.	8.2	78
10	An experimental and modelling study of the electrochemical oxidation of pharmaceuticals using a boron-doped diamond anode. <i>Chemical Engineering Journal</i> , 2018, 333, 486-494.	12.7	69
11	Indirect electrochemical oxidation of 2,4-dichlorophenoxyacetic acid using electrochemically-generated persulfate. <i>Chemosphere</i> , 2018, 204, 163-169.	8.2	65
12	Electrochemical synthesis of peroxomonophosphate using boron-doped diamond anodes. <i>Journal of Applied Electrochemistry</i> , 2007, 38, 93-100.	2.9	56
13	Study of the degradation of an organophosphorus pesticide using electrogenerated hydroxyl radicals or heat-activated persulfate. <i>Separation and Purification Technology</i> , 2019, 208, 27-33.	7.9	54
14	Role of Hydroxyl Radicals During the Competitive Electrooxidation of Organic Compounds on a Boron-Doped Diamond Anode. <i>Electrocatalysis</i> , 2013, 4, 346-352.	3.0	43
15	A kinetic study of the electrochemical oxidation of maleic acid on boron doped diamond. <i>Journal of Applied Electrochemistry</i> , 2006, 37, 41-47.	2.9	42
16	Electrochemical nucleation of uranium in molten chlorides. <i>Journal of Applied Electrochemistry</i> , 1999, 29, 505-510.	2.9	39
17	Electrochemical mineralization of sodium dodecylbenzenesulfonate at boron doped diamond anodes. <i>Journal of Applied Electrochemistry</i> , 2007, 37, 1337-1344.	2.9	38
18	Electro-precipitation of magnetite nanoparticles: An electrochemical study. <i>Electrochimica Acta</i> , 2009, 55, 155-158.	5.2	30

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19	Nanofiltration performances after membrane bioreactor for hospital wastewater treatment: Fouling mechanisms and the quantitative link between stable fluxes and the water matrix. <i>Water Research</i> , 2018, 146, 77-87.	11.3	29
20	Preparation of uranium by electrolysis in chloride melt. <i>Journal of Nuclear Materials</i> , 2000, 282, 137-145.	2.7	27
21	A critical review on the electrochemical production and use of peroxy-compounds. <i>Current Opinion in Electrochemistry</i> , 2021, 27, 100679.	4.8	24
22	Fouling control using critical, threshold and limiting fluxes concepts for cross-flow NF of a complex matrix: Membrane BioReactor effluent. <i>Journal of Membrane Science</i> , 2017, 524, 288-298.	8.2	22
23	Indirect Electrochemical Oxidation Using Hydroxyl Radical, Active Chlorine, and Peroxodisulfate. , 2018, , 133-164.		19
24	NADH regenerated using immobilized FDH in a continuously supplied reactor “ Application to L-lactate synthesis. <i>Chemical Engineering Journal</i> , 2014, 239, 216-225.	12.7	18
25	Kinetic Study of the Electrochemical Mineralization of m-Cresol on a Boron-Doped Diamond Anode. <i>Current Organic Chemistry</i> , 2012, 16, 1960-1966.	1.6	16
26	New hybrid process combining adsorption on sawdust and electrooxidation using a BDD anode for the treatment of dilute wastewater. <i>Separation and Purification Technology</i> , 2017, 175, 1-8.	7.9	16
27	On the Role of the Cathode for the Electro-Oxidation of Perfluorooctanoic Acid. <i>Catalysts</i> , 2020, 10, 902.	3.5	16
28	Treatment of dilute methylene blue-containing wastewater by coupling sawdust adsorption and electrochemical regeneration. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8565-8572.	5.3	14
29	Feasibility of Micropollutants Treatment by Coupling Nanofiltration and Electrochemical Oxidation: Case of Hospital Wastewater. <i>International Journal of Chemical Reactor Engineering</i> , 2015, 13, 153-159.	1.1	14
30	New electrodes for silver(II) electrogeneration: Comparison between Ti/Pt, Nb/Pt, and Nb/BDD. <i>Chemical Engineering Journal</i> , 2012, 211-212, 53-59.	12.7	13
31	Design and optimization of electrochemical microreactors for continuous electrosynthesis. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 667-677.	2.9	12
32	Electrochemical Degradation of Crystal Violet Using Ti/Pt/SnO ₂ Electrode. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8401.	2.5	12
33	Voltammetric determination of the critical micellar concentration of surfactants by using a boron doped diamond anode. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1845-1851.	2.9	11
34	Boron-Doped Diamond as an All-in-One System for the Mineralization and Detection of Lead in Waters. <i>ChemElectroChem</i> , 2019, 6, 1225-1228.	3.4	7
35	Treatment of Diluted Solutions of Methylene Blue by Adsorption Coupled with Electrochemical Regeneration: A Comparative Study of Three Adsorbants. <i>ECS Transactions</i> , 2014, 59, 495-502.	0.5	2
36	Performance of Ti/Pt and Nb/BDD anodes for dechlorination of nitric acid and regeneration of silver(II) in a tubular reactor for the treatment of solid wastes in nuclear industry. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 779-786.	2.9	2

#	ARTICLE	IF	CITATIONS
37	Wastewater Treatment by Electrogeneration of Strong Oxidants Using Borondoped Diamond (BDD). , 2014, , 2126-2132.		1