

Manuel A Rodrigo

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

529
papers

21,398
citations

72
h-index

120
g-index

543
ext. papers

23,975
ext. citations

7.7
avg, IF

7.39
L-index

#	Paper	IF	Citations
529	Electrochemical advanced oxidation processes: today and tomorrow. A review. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 8336-67	5.1	1191
528	Single and Coupled Electrochemical Processes and Reactors for the Abatement of Organic Water Pollutants: A Critical Review. <i>Chemical Reviews</i> , 2015 , 115, 13362-407	68.1	946
527	Electrogeneration of Hydroxyl Radicals on Boron-Doped Diamond Electrodes. <i>Journal of the Electrochemical Society</i> , 2003 , 150, D79	3.9	726
526	Removal of residual anti-inflammatory and analgesic pharmaceuticals from aqueous systems by electrochemical advanced oxidation processes. A review. <i>Chemical Engineering Journal</i> , 2013 , 228, 944-964	14.7	367
525	Electrochemically assisted remediation of pesticides in soils and water: a review. <i>Chemical Reviews</i> , 2014 , 114, 8720-45	68.1	364
524	Oxidation of 4-Chlorophenol at Boron-Doped Diamond Electrode for Wastewater Treatment. <i>Journal of the Electrochemical Society</i> , 2001 , 148, D60	3.9	344
523	Electrochemical oxidation of phenolic wastes with boron-doped diamond anodes. <i>Water Research</i> , 2005 , 39, 2687-703	12.5	323
522	New perspectives for Advanced Oxidation Processes. <i>Journal of Environmental Management</i> , 2017 , 195, 93-99	7.9	295
521	Costs of the electrochemical oxidation of wastewaters: a comparison with ozonation and Fenton oxidation processes. <i>Journal of Environmental Management</i> , 2009 , 90, 410-20	7.9	276
520	Influence of the anode materials on the electrochemical oxidation efficiency. Application to oxidative degradation of the pharmaceutical amoxicillin. <i>Chemical Engineering Journal</i> , 2015 , 262, 286-294	14.7	243
519	Improved polybenzimidazole films for H ₃ PO ₄ -doped PBI-based high temperature PEMFC. <i>Journal of Membrane Science</i> , 2007 , 306, 47-55	9.6	193
518	Production of electricity from the treatment of urban waste water using a microbial fuel cell. <i>Journal of Power Sources</i> , 2007 , 169, 198-204	8.9	188
517	Electrochemical Treatment of 4-Nitrophenol-Containing Aqueous Wastes Using Boron-Doped Diamond Anodes. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 1944-1951	3.9	186
516	Coagulation and electrocoagulation of wastes polluted with dyes. <i>Environmental Science & Technology</i> , 2006 , 40, 6418-24	10.3	181
515	Operation of a horizontal subsurface flow constructed wetland--microbial fuel cell treating wastewater under different organic loading rates. <i>Water Research</i> , 2013 , 47, 6731-8	12.5	178
514	Synthesis and characterisation of poly[2,2-(m-phenylene)-5,5-benzimidazole] as polymer electrolyte membrane for high temperature PEMFCs. <i>Journal of Membrane Science</i> , 2006 , 280, 351-362	9.6	176
513	Electrodissolution of Aluminum Electrodes in Electrocoagulation Processes. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 4178-4185	3.9	172

512	Synthesis of novel oxidants by electrochemical technology. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 2143-2149	2.6	167
511	Electrochemical oxidation of hydroquinone, resorcinol, and catechol on boron-doped diamond anodes. <i>Environmental Science & Technology</i> , 2005 , 39, 7234-9	10.3	163
510	Coagulation and electrocoagulation of oil-in-water emulsions. <i>Journal of Hazardous Materials</i> , 2008 , 151, 44-51	12.8	160
509	Study of the Electrocoagulation Process Using Aluminum and Iron Electrodes. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 6189-6195	3.9	148
508	Advanced oxidation processes for the treatment of olive-oil mills wastewater. <i>Chemosphere</i> , 2007 , 67, 832-8	8.4	144
507	Microbial fuel cell with an algae-assisted cathode: A preliminary assessment. <i>Journal of Power Sources</i> , 2013 , 242, 638-645	8.9	142
506	Electrochemical production of perchlorates using conductive diamond electrolyses. <i>Chemical Engineering Journal</i> , 2011 , 166, 710-714	14.7	138
505	PBI-based polymer electrolyte membranes fuel cells. <i>Electrochimica Acta</i> , 2007 , 52, 3910-3920	6.7	133
504	Study of the influence of the amount of PBI/3PO4 in the catalytic layer of a high temperature PEMFC. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 1347-1355	6.7	131
503	Use of conductive-diamond electrochemical oxidation for wastewater treatment. <i>Catalysis Today</i> , 2010 , 151, 173-177	5.3	125
502	Advanced oxidation processes for the treatment of wastes polluted with azoic dyes. <i>Electrochimica Acta</i> , 2006 , 52, 325-331	6.7	121
501	Electrochemical oxidation of several chlorophenols on diamond electrodes Part I. Reaction mechanism. <i>Journal of Applied Electrochemistry</i> , 2003 , 33, 917-927	2.6	119
500	Renewable energies driven electrochemical wastewater/soil decontamination technologies: A critical review of fundamental concepts and applications. <i>Applied Catalysis B: Environmental</i> , 2020 , 270, 118857	21.8	111
499	The pH as a key parameter in the choice between coagulation and electrocoagulation for the treatment of wastewaters. <i>Journal of Hazardous Materials</i> , 2009 , 163, 158-64	12.8	111
498	Electrochemical Oxidation of Azoic Dyes with Conductive-Diamond Anodes. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 3468-3473	3.9	110
497	Short-term effects of temperature and COD in a microbial fuel cell. <i>Applied Energy</i> , 2013 , 101, 213-217	10.7	109
496	Removal of nitrates from groundwater by electrocoagulation. <i>Chemical Engineering Journal</i> , 2011 , 171, 1012-1017	14.7	108
495	Electrochemical treatment of 2,4-dinitrophenol aqueous wastes using boron-doped diamond anodes. <i>Electrochimica Acta</i> , 2004 , 49, 4641-4650	6.7	108

494	Electrochemical denitrification with chlorides using DSA and BDD anodes. <i>Chemical Engineering Journal</i> , 2012 , 184, 66-71	14.7	104
493	Influence of the Teflon loading in the gas diffusion layer of PBI-based PEM fuel cells. <i>Journal of Applied Electrochemistry</i> , 2008 , 38, 793-802	2.6	100
492	Three-dimensional model of a 50 cm ² high temperature PEM fuel cell. Study of the flow channel geometry influence. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 5510-5520	6.7	98
491	Electrochemical oxidation of several chlorophenols on diamond electrodes: Part II. Influence of waste characteristics and operating conditions. <i>Journal of Applied Electrochemistry</i> , 2004 , 34, 87-94	2.6	98
490	Electrochemical Synthesis of Peroxodiphosphate Using Boron-Doped Diamond Anodes. <i>Journal of the Electrochemical Society</i> , 2005 , 152, D191	3.9	97
489	Electrochemical Oxidation of Aqueous Carboxylic Acid Wastes Using Diamond Thin-Film Electrodes. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 956-962	3.9	97
488	Oxidation of enrofloxacin with conductive-diamond electrochemical oxidation, ozonation and Fenton oxidation: a comparison. <i>Water Research</i> , 2009 , 43, 2131-8	12.5	92
487	Measurement of Mass-Transfer Coefficients by an Electrochemical Technique. <i>Journal of Chemical Education</i> , 2006 , 83, 1204	2.4	92
486	Electrochemical incineration of dyes using a boron-doped diamond anode. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 82, 575-581	3.5	89
485	Electrochemical Oxidation of Aqueous Phenol Wastes Using Active and Nonactive Electrodes. <i>Journal of the Electrochemical Society</i> , 2002 , 149, D118	3.9	89
484	Electrochemical phosphates removal using iron and aluminium electrodes. <i>Chemical Engineering Journal</i> , 2011 , 172, 137-143	14.7	88
483	Removal of Procion Red MX-5B dye from wastewater by conductive-diamond electrochemical oxidation. <i>Electrochimica Acta</i> , 2018 , 263, 1-7	6.7	86
482	A novel titanium PBI-based composite membrane for high temperature PEMFCs. <i>Journal of Membrane Science</i> , 2011 , 369, 105-111	9.6	85
481	The use of a combined process of surfactant-aided soil washing and coagulation for PAH-contaminated soils treatment. <i>Separation and Purification Technology</i> , 2012 , 88, 46-51	8.3	84
480	Highlights during the development of electrochemical engineering. <i>Chemical Engineering Research and Design</i> , 2013 , 91, 1998-2020	5.5	83
479	Lagooning microbial fuel cells: A first approach by coupling electricity-producing microorganisms and algae. <i>Applied Energy</i> , 2013 , 110, 220-226	10.7	81
478	Electrokinetic remediation of soil polluted with insoluble organics using biological permeable reactive barriers: Effect of periodic polarity reversal and voltage gradient. <i>Chemical Engineering Journal</i> , 2016 , 299, 30-36	14.7	80
477	Electrochemical Oxidation of Aqueous Phenol Wastes on Synthetic Diamond Thin-Film Electrodes. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 4187-4194	3.9	79

476	Electrolytic and electro-irradiated processes with diamond anodes for the oxidation of persistent pollutants and disinfection of urban treated wastewater. <i>Journal of Hazardous Materials</i> , 2016 , 319, 93-101	12.8	78
475	Electrochemical technologies for the regeneration of urban wastewaters. <i>Electrochimica Acta</i> , 2010 , 55, 8160-8164	6.7	78
474	Break-up of oil-in-water emulsions by electrochemical techniques. <i>Journal of Hazardous Materials</i> , 2007 , 145, 233-40	12.8	78
473	Treatment of Fenton-refractory olive oil mill wastes by electrochemical oxidation with boron-doped diamond anodes. <i>Journal of Chemical Technology and Biotechnology</i> , 2006 , 81, 1331-1337	3.5	78
472	Effect of the catalytic ink preparation method on the performance of high temperature polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2006 , 157, 284-292	8.9	78
471	Electrochemical Oxidation of Polyhydroxybenzenes on Boron-Doped Diamond Anodes. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 6629-6637	3.9	78
470	Electrochemical jet-cell for the in-situ generation of hydrogen peroxide. <i>Electrochemistry Communications</i> , 2016 , 71, 65-68	5.1	78
469	Understanding active chlorine species production using boron doped diamond films with lower and higher sp ³ /sp ² ratio. <i>Electrochemistry Communications</i> , 2015 , 55, 34-38	5.1	77
468	Optimization of an integrated electrodisinfection/electrocoagulation process with Al bipolar electrodes for urban wastewater reclamation. <i>Water Research</i> , 2013 , 47, 1741-50	12.5	77
467	Effect of the Operating Conditions on the Oxidation Mechanisms in Conductive-Diamond Electrolyses. <i>Journal of the Electrochemical Society</i> , 2007 , 154, E37	3.9	77
466	Electrochemical treatment of the effluent of a fine chemical manufacturing plant. <i>Journal of Hazardous Materials</i> , 2006 , 138, 173-81	12.8	77
465	Electrochemical conversion/combustion of a model organic pollutant on BDD anode: Role of sp ³ /sp ² ratio. <i>Electrochemistry Communications</i> , 2014 , 47, 37-40	5.1	76
464	Titanium composite PBI-based membranes for high temperature polymer electrolyte membrane fuel cells. Effect on titanium dioxide amount. <i>RSC Advances</i> , 2012 , 2, 1547-1556	3.7	76
463	Electrochemical oxidation of alcohols and carboxylic acids with diamond anodes: A comparison with other advanced oxidation processes. <i>Electrochimica Acta</i> , 2008 , 53, 2144-2153	6.7	76
462	Electrocatalytic properties of diamond in the oxidation of a persistent pollutant. <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 645-650	21.8	74
461	Electrochemical disinfection of simulated ballast water on conductive diamond electrodes. <i>Chemical Engineering Journal</i> , 2013 , 223, 516-523	14.7	73
460	Effect of the Current Intensity in the Electrochemical Oxidation of Aqueous Phenol Wastes at an Activated Carbon and Steel Anode. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 3779-3785	3.9	73
459	Enhancement of the fuel cell performance of a high temperature proton exchange membrane fuel cell running with titanium composite polybenzimidazole-based membranes. <i>Journal of Power Sources</i> , 2011 , 196, 8265-8271	8.9	72

458	Adsorption equilibrium of phenol onto chemically modified activated carbon F400. <i>Journal of Hazardous Materials</i> , 2006 , 131, 243-8	12.8	72
457	Modeling of Wastewater Electro-oxidation Processes Part I. General Description and Application to Inactive Electrodes. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 1915-1922	3.9	72
456	Performance of a Vapor-Fed Polybenzimidazole (PBI)-Based Direct Methanol Fuel Cell. <i>Energy & Fuels</i> , 2008 , 22, 3335-3345	4.1	71
455	Influence of the supporting electrolyte on the electrolyses of dyes with conductive-diamond anodes. <i>Chemical Engineering Journal</i> , 2012 , 184, 221-227	14.7	70
454	Comparison of the Aluminum Speciation in Chemical and Electrochemical Dosing Processes. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 8749-8756	3.9	70
453	Bacterial-fungal interactions enhance power generation in microbial fuel cells and drive dye decolourisation by an ex situ and in situ electro-Fenton process. <i>Bioresource Technology</i> , 2013 , 148, 39-46 ¹¹		66
452	Combined soil washing and CDEO for the removal of atrazine from soils. <i>Journal of Hazardous Materials</i> , 2015 , 300, 129-134	12.8	65
451	Removal of herbicide glyphosate by conductive-diamond electrochemical oxidation. <i>Applied Catalysis B: Environmental</i> , 2016 , 188, 305-312	21.8	65
450	Preparation of biodiesel from <i>Jatropha curcas</i> L. oil produced by two-phase solvent extraction. <i>Bioresource Technology</i> , 2010 , 101, 7036-42	11	65
449	Electrochemical degradation of the dimethyl phthalate ester on a fluoride-doped Ti/PbO ₂ anode. <i>Chemosphere</i> , 2014 , 109, 187-94	8.4	64
448	Use of carbon felt cathodes for the electrochemical reclamation of urban treated wastewaters. <i>Applied Catalysis B: Environmental</i> , 2015 , 162, 252-259	21.8	63
447	Electroremediation of a natural soil polluted with phenanthrene in a pilot plant. <i>Journal of Hazardous Materials</i> , 2014 , 265, 142-50	12.8	63
446	Influence of mediated processes on the removal of Rhodamine with conductive-diamond electrochemical oxidation. <i>Applied Catalysis B: Environmental</i> , 2015 , 166-167, 454-459	21.8	62
445	Long-term testing of a high-temperature proton exchange membrane fuel cell short stack operated with improved polybenzimidazole-based composite membranes. <i>Journal of Power Sources</i> , 2015 , 274, 177-185	8.9	62
444	Biological permeable reactive barriers coupled with electrokinetic soil flushing for the treatment of diesel-polluted clay soil. <i>Journal of Hazardous Materials</i> , 2015 , 283, 131-9	12.8	62
443	Use of conductive-diamond electrochemical-oxidation for the disinfection of several actual treated wastewaters. <i>Chemical Engineering Journal</i> , 2012 , 211-212, 463-469	14.7	62
442	Electrochemical dosing of iron and aluminum in continuous processes: A key step to explain electro-coagulation processes. <i>Separation and Purification Technology</i> , 2012 , 98, 102-108	8.3	62
441	Study of the acclimation stage and of the effect of the biodegradability on the performance of a microbial fuel cell. <i>Bioresource Technology</i> , 2009 , 100, 4704-10	11	61

440	Study of the Catalytic Layer in Polybenzimidazole-based High Temperature PEMFC: Effect of Platinum Content on the Carbon Support. <i>Fuel Cells</i> , 2010 , 10, 312-319	2.9	61
439	Continuous Electrocoagulation of Synthetic Colloid-Polluted Wastes. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 8171-8177	3.9	60
438	Removal of arsenic by iron and aluminium electrochemically assisted coagulation. <i>Separation and Purification Technology</i> , 2011 , 79, 15-19	8.3	58
437	Electrochemical oxidation of Acid Yellow 1 using diamond anode. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 2285-2289	2.6	57
436	Remediation of soils polluted with lindane using surfactant-aided soil washing and electrochemical oxidation. <i>Journal of Hazardous Materials</i> , 2017 , 339, 232-238	12.8	56
435	Effect of the cathode material on the removal of nitrates by electrolysis in non-chloride media. <i>Journal of Hazardous Materials</i> , 2012 , 213-214, 478-84	12.8	56
434	The role of particle size on the conductive diamond electrochemical oxidation of soil-washing effluent polluted with atrazine. <i>Electrochemistry Communications</i> , 2015 , 55, 26-29	5.1	55
433	Study of flow channel geometry using current distribution measurement in a high temperature polymer electrolyte membrane fuel cell. <i>Journal of Power Sources</i> , 2011 , 196, 4209-4217	8.9	55
432	Electrochemical degradation of an anionic surfactant on boron-doped diamond anodes. <i>Journal of Hazardous Materials</i> , 2008 , 158, 430-7	12.8	55
431	Environmental applications of electrochemical technology. What is needed to enable full-scale applications?. <i>Current Opinion in Electrochemistry</i> , 2019 , 16, 149-156	7.2	53
430	Synergy of electrochemical oxidation using boron-doped diamond (BDD) electrodes and ozone (O ₃) in industrial wastewater treatment. <i>Electrochemistry Communications</i> , 2013 , 27, 34-37	5.1	52
429	Removal of nitrates by electrolysis in non-chloride media: Effect of the anode material. <i>Separation and Purification Technology</i> , 2011 , 80, 592-599	8.3	51
428	Electrolytic and electro-irradiated technologies for the removal of chloramphenicol in synthetic urine with diamond anodes. <i>Water Research</i> , 2018 , 128, 383-392	12.5	50
427	Effect of bipolar electrode material on the reclamation of urban wastewater by an integrated electrodisinfection/electrocoagulation process. <i>Water Research</i> , 2014 , 53, 329-38	12.5	50
426	Degradation of caffeine by conductive diamond electrochemical oxidation. <i>Chemosphere</i> , 2013 , 93, 1720-1725	8.4	50
425	Electrochemical treatment of diluted cyanide aqueous wastes. <i>Journal of Chemical Technology and Biotechnology</i> , 2005 , 80, 565-573	3.5	50
424	Removal of sulfamethoxazole from waters and wastewaters by conductive-diamond electrochemical oxidation. <i>Journal of Chemical Technology and Biotechnology</i> , 2012 , 87, 1441-1449	3.5	49
423	Coupling photo and sono technologies to improve efficiencies in conductive diamond electrochemical oxidation. <i>Applied Catalysis B: Environmental</i> , 2014 , 144, 121-128	21.8	49

422	Effect of the nature of the supporting electrolyte on the treatment of soluble oils by electrocoagulation. <i>Desalination</i> , 2010 , 255, 15-20	10.3	49
421	Remediation of soils polluted with 2,4-D by electrokinetic soil flushing with facing rows of electrodes: A case study in a pilot plant. <i>Chemical Engineering Journal</i> , 2016 , 285, 128-136	14.7	48
420	Improving the Efficiency of Carbon Cloth for the Electrogeneration of H ₂ O ₂ : Role of Polytetrafluoroethylene and Carbon Black Loading. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 12588-12595	3.9	48
419	Coupling ultraviolet light and ultrasound irradiation with Conductive-Diamond Electrochemical Oxidation for the removal of progesterone. <i>Electrochimica Acta</i> , 2014 , 140, 20-26	6.7	48
418	Use of a combined electrocoagulation- O_3 process as a pre-treatment for industrial wastewater. <i>Desalination</i> , 2010 , 250, 144-149	10.3	48
417	Treatment of ex-situ soil-washing fluids polluted with petroleum by anodic oxidation, photolysis, sonolysis and combined approaches. <i>Chemical Engineering Journal</i> , 2017 , 310, 581-588	14.7	47
416	Scale-up on electrokinetic remediation: Engineering and technological parameters. <i>Journal of Hazardous Materials</i> , 2016 , 315, 135-43	12.8	47
415	Effect of the electron-acceptors on the performance of a MFC. <i>Bioresource Technology</i> , 2010 , 101, 7025-21	9.1	46
414	Electrochemical treatment of the pollutants generated in an ink-manufacturing process. <i>Journal of Hazardous Materials</i> , 2007 , 146, 552-7	12.8	46
413	Electrochemical synthesis of peroxomonophosphate using boron-doped diamond anodes. <i>Journal of Applied Electrochemistry</i> , 2007 , 38, 93-100	2.6	46
412	The effect of the sp ³ /sp ² carbon ratio on the electrochemical oxidation of 2,4-D with p-Si BDD anodes. <i>Electrochimica Acta</i> , 2016 , 187, 119-124	6.7	45
411	Effect of pressure on the electrochemical generation of hydrogen peroxide in undivided cells on carbon felt electrodes. <i>Electrochimica Acta</i> , 2017 , 248, 169-177	6.7	45
410	Use of low current densities in electrolyses with conductive-diamond electrochemical oxidation to disinfect treated wastewaters for reuse. <i>Electrochemistry Communications</i> , 2011 , 13, 1268-1270	5.1	44
409	Influence of the characteristics of p-Si BDD anodes on the efficiency of peroxodiphosphate electrosynthesis process. <i>Electrochemistry Communications</i> , 2008 , 10, 602-606	5.1	44
408	Modeling of Wastewater Electro-oxidation Processes Part II. Application to Active Electrodes. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 1923-1931	3.9	44
407	Removal of sulfate from mining waters by electrocoagulation. <i>Separation and Purification Technology</i> , 2017 , 182, 87-93	8.3	43
406	Combination of bioremediation and electrokinetics for the in-situ treatment of diesel polluted soil: A comparison of strategies. <i>Science of the Total Environment</i> , 2015 , 533, 307-16	10.2	43
405	Solar-powered electrokinetic remediation for the treatment of soil polluted with the herbicide 2,4-D. <i>Electrochimica Acta</i> , 2016 , 190, 371-377	6.7	43

404	Production of oxidants via electrolysis of carbonate solutions with conductive-diamond anodes. <i>Chemical Engineering Journal</i> , 2013 , 230, 272-278	14.7	43
403	Electrochemical synthesis of ferrate using boron doped diamond anodes. <i>Electrochemistry Communications</i> , 2007 , 9, 2286-2290	5.1	43
402	A multi-layered view of chemical and biochemical engineering. <i>Chemical Engineering Research and Design</i> , 2020 , 155, A133-A145	5.5	43
401	Treatment of real effluents from the pharmaceutical industry: A comparison between Fenton oxidation and conductive-diamond electro-oxidation. <i>Journal of Environmental Management</i> , 2017 , 195, 216-223	7.9	42
400	Electrochemical Degradation of a Real Pharmaceutical Effluent. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 2685-2694	2.6	42
399	Multiphysics Implementation of Electrokinetic Remediation Models for Natural Soils and Porewaters. <i>Electrochimica Acta</i> , 2017 , 225, 93-104	6.7	41
398	Scale-up of the electrokinetic fence technology for the removal of pesticides. Part II: Does size matter for removal of herbicides?. <i>Chemosphere</i> , 2017 , 166, 549-555	8.4	41
397	Promising TiOSO ₄ composite polybenzimidazole-based membranes for high temperature PEMFCs. <i>ChemSusChem</i> , 2011 , 4, 1489-97	8.3	41
396	A comparison between conductive-diamond electrochemical oxidation and other advanced oxidation processes for the treatment of synthetic melanoidins. <i>Journal of Hazardous Materials</i> , 2009 , 164, 120-5	12.8	41
395	The electrolytic treatment of synthetic urine using DSA electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 744, 62-68	4.1	40
394	Removal of triclosan by conductive-diamond electrolysis and sonoelectrolysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2013 , 88, 823-828	3.5	40
393	The neural networks based modeling of a polybenzimidazole-based polymer electrolyte membrane fuel cell: Effect of temperature. <i>Journal of Power Sources</i> , 2009 , 192, 190-194	8.9	40
392	Irradiation-assisted electrochemical processes for the removal of persistent organic pollutants from wastewater. <i>Journal of Applied Electrochemistry</i> , 2015 , 45, 799-808	2.6	39
391	Effect of electric field on the performance of soil electro-bioremediation with a periodic polarity reversal strategy. <i>Chemosphere</i> , 2016 , 146, 300-7	8.4	39
390	Reversible electrokinetic adsorption barriers for the removal of atrazine and oxyfluorfen from spiked soils. <i>Journal of Hazardous Materials</i> , 2017 , 322, 413-420	12.8	39
389	Ten steps modeling of electrolysis processes by using neural networks. <i>Environmental Modelling and Software</i> , 2010 , 25, 74-81	5.2	39
388	Isobaric Vapor-Liquid Equilibria of the Water + 2-Propanol System at 30, 60, and 100 kPa. <i>Journal of Chemical & Engineering Data</i> , 1996 , 41, 608-611	2.8	39
387	Effect of the polarity reversal frequency in the electrokinetic-biological remediation of oxyfluorfen polluted soil. <i>Chemosphere</i> , 2017 , 177, 120-127	8.4	38

386	Treatment of actual effluents produced in the manufacturing of atrazine by a photo-electrolytic process. <i>Chemosphere</i> , 2017 , 172, 185-192	8.4	38
385	Electrochemically assisted fences for the electroremediation of soils polluted with 2,4-D: A case study in a pilot plant. <i>Separation and Purification Technology</i> , 2015 , 156, 234-241	8.3	38
384	Use of conductive diamond photo-electrochemical oxidation for the removal of pesticide glyphosate. <i>Separation and Purification Technology</i> , 2016 , 167, 127-135	8.3	38
383	An evaluation of aerobic and anaerobic sludges as start-up material for microbial fuel cell systems. <i>New Biotechnology</i> , 2012 , 29, 415-20	6.4	38
382	Electrosynthesis of ferrates with diamond anodes. <i>AIChE Journal</i> , 2008 , 54, 1600-1607	3.6	38
381	Treatment of synthetic urine by electrochemical oxidation using conductive-diamond anodes. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 6176-84	5.1	37
380	Application of electrokinetic soil flushing to four herbicides: A comparison. <i>Chemosphere</i> , 2016 , 153, 205-11	8.4	37
379	Removal of phenanthrene from synthetic kaolin soils by electrokinetic soil flushing. <i>Separation and Purification Technology</i> , 2014 , 132, 33-40	8.3	37
378	Electrooxidation of Brown-Colored Molasses Wastewater. Effect of the Electrolyte Salt on the Process Efficiency. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 1298-1301	3.9	37
377	Optimisation of the Microporous Layer for a Polybenzimidazole-Based High Temperature PEMFC □ Effect of Carbon Content. <i>Fuel Cells</i> , 2010 , 10, 770-777	2.9	37
376	Electrochemical Oxidation of Wastewaters Polluted with Aromatics and Heterocyclic Compounds. <i>Journal of the Electrochemical Society</i> , 2007 , 154, E165	3.9	37
375	Electrochemically Assisted Coagulation of Wastes Polluted with Eriochrome Black T. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 3474-3480	3.9	37
374	Is it really important the addition of salts for the electrolysis of soil washing effluents?. <i>Electrochimica Acta</i> , 2017 , 246, 372-379	6.7	36
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372	Disinfection of urine by conductive-diamond electrochemical oxidation. <i>Applied Catalysis B: Environmental</i> , 2018 , 229, 63-70	21.8	36
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