Pablo Canizares CaÃ±izares

List of Publications by Year
in descending order

233 papers	10,215 citations	26630 56 h-index	58581 82 g-index
234 all docs	234 docs citations	234 times ranked	7595 citing authors

#	Article	IF	Citations
1	Disinfection of polymicrobial urines by electrochemical oxidation: Removal of antibiotic-resistant bacteria and genes. Journal of Hazardous Materials, 2022, 426, 128028.	12.4	20
2	High levofloxacin removal in the treatment of synthetic human urine using Ti/MMO/ZnO photo-electrocatalyst. Journal of Environmental Chemical Engineering, 2022, 10, 107317.	6.7	9
3	Electro-Fenton-Based Technologies for Selectively Degrading Antibiotics in Aqueous Media. Catalysts, 2022, 12, 602.	3.5	4
4	Enhancement of UV disinfection of urine matrixes by electrochemical oxidation. Journal of Hazardous Materials, 2021, 410, 124548.	12.4	23
5	Biostimulation versus bioaugmentation for the electro-bioremediation of 2,4-dichlorophenoxyacetic acid polluted soils. Journal of Environmental Management, 2021, 277, 111424.	7.8	11
6	The role of chloramines on the electrodisinfection of Klebsiella pneumoniae in hospital urines. Chemical Engineering Journal, 2021, 409, 128253.	12.7	23
7	Novel Ti/RuO2IrO2 anode to reduce the dangerousness of antibiotic polluted urines by Fenton-based processes. Chemosphere, 2021, 270, 129344.	8.2	24
8	Outstanding performance of the microwave-made MMO-Ti/RuO2IrO2 anode on the removal of antimicrobial activity of Penicillin G by photoelectrolysis. Chemical Engineering Journal, 2021, 420, 129999.	12.7	19
9	Electrochemical systems equipped with 2D and 3D microwave-made anodes for the highly efficient degradation of antibiotics in urine. Electrochimica Acta, 2021, 392, 139012.	5.2	20
10	A review on disinfection technologies for controlling the antibiotic resistance spread. Science of the Total Environment, 2021, 797, 149150.	8.0	37
11	Valorization of high-salinity effluents for CO2 fixation and hypochlorite generation. Chemosphere, 2021, 285, 131359.	8.2	3
12	Electrochemical Technologies to Decrease the Chemical Risk of Hospital Wastewater and Urine. Molecules, 2021, 26, 6813.	3.8	13
13	Selection of anodic material for the combined electrochemical-biological treatment of lindane polluted soil washing effluents. Journal of Hazardous Materials, 2020, 384, 121237.	12.4	11
14	Scaling-up an integrated electrodisinfection-electrocoagulation process for wastewater reclamation. Chemical Engineering Journal, 2020, 380, 122415.	12.7	39
15	Innovative photoelectrochemical cell for the removal of CHCs from soil washing wastes. Separation and Purification Technology, 2020, 230, 115876.	7.9	13
16	Assessing the performance of electrochemical oxidation using DSAÂ® and BDD anodes in the presence of UVC light. Chemosphere, 2020, 238, 124575.	8.2	39
17	Performance of ultrafiltration as a pre-concentration stage for the treatment of oxyfluorfen by electrochemical BDD oxidation. Separation and Purification Technology, 2020, 237, 116366.	7.9	13
18	Scaling up the electrokinetic-assisted phytoremediation of atrazine-polluted soils using reversal of electrode polarity: A mesocosm study. Journal of Environmental Management, 2020, 255, 109806.	7.8	14

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19	Towards the optimization of electro-bioremediation of soil polluted with 2,4-dichlorophenoxyacetic acid. Environmental Technology and Innovation, 2020, 20, 101156.	6.1	3
20	Removal of antibiotic resistant bacteria by electrolysis with diamond anodes: A pretreatment or a tertiary treatment?. Journal of Water Process Engineering, 2020, 38, 101557.	5.6	18
21	On the Degradation of 17-Î² Estradiol Using Boron Doped Diamond Electrodes. Processes, 2020, 8, 710.	2.8	9
22	Electrochemically assisted dewatering for the removal of oxyfluorfen from a coagulation/flocculation sludge. Journal of Environmental Management, 2020, 258, 110015.	7.8	4
23	Improving the biodegradability of hospital urines polluted with chloramphenicol by the application of electrochemical oxidation. Science of the Total Environment, 2020, 725, 138430.	8.0	46
24	Influence of the doping level of boron-doped diamond anodes on the removal of penicillin G from urine matrixes. Science of the Total Environment, 2020, 736, 139536.	8.0	35
25	Anodic oxidation for the remediation of soils polluted with perchloroethylene. Journal of Chemical Technology and Biotechnology, 2019, 94, 288-294.	3.2	9
26	Development of a novel electrochemical coagulant dosing unit for water treatment. Journal of Chemical Technology and Biotechnology, 2019, 94, 216-221.	3.2	7
27	Towards the scale up of a pressurized-jet microfluidic flow-through reactor for cost-effective electro-generation of H2O2. Journal of Cleaner Production, 2019, 211, 1259-1267.	9.3	50
28	Electrobioremediation of Oxyfluorfen-Polluted Soil by Means of a Fixed-Bed Permeable Biological Barrier. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	9
29	Reactor design as a critical input in the electrochemical production of peroxoacetic acid. Journal of Chemical Technology and Biotechnology, 2019, 94, 2955-2960.	3.2	6
30	Fixedâ€bed biological barrier coupled with electrokinetics for the in situ electrobioremediation of 2,4â€dichlorophenoxyacetic acid polluted soil. Journal of Chemical Technology and Biotechnology, 2019, 94, 2684-2692.	3.2	13
31	Removal of methylene blue from aqueous solutions using an Fe2+ catalyst and in-situ H2O2 generated at gas diffusion cathodes. Electrochimica Acta, 2019, 308, 45-53.	5.2	28
32	The Role of Mediated Oxidation on the Electro-irradiated Treatment of Amoxicillin and Ampicillin Polluted Wastewater. Catalysts, 2019, 9, 9.	3.5	19
33	A comparison of the electrolysis of soil washing wastes with active and non-active electrodes. Chemosphere, 2019, 225, 19-26.	8.2	16
34	The Role of the Anode Material in Selective Penicillin G Oxidation in Urine. ChemElectroChem, 2019, 6, 1376-1384.	3.4	31
35	Reproducibility and robustness of microbial fuel cells technology. Journal of Power Sources, 2019, 412, 640-647.	7.8	15
36	Electrochemical production of perchlorate as an alternative for the valorization of brines. Chemosphere, 2019, 220, 637-643.	8.2	9

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37	Competitive Anodic Oxidation of Methyl Paraben and Propylene Glycol: Keys to Understand the Process. ChemElectroChem, 2019, 6, 771-778.	3.4	9
38	Improvement of the electro-bioremediation process of a non-polar herbicide-polluted soil by means of surfactant addition. Science of the Total Environment, 2019, 650, 1961-1968.	8.0	11
39	Coupling Ultrasound to the Electroâ€Oxidation of Methyl Paraben Synthetic Wastewater: Effect of Frequency and Supporting Electrolyte. ChemElectroChem, 2019, 6, 1199-1205.	3.4	21
40	Radiation-assisted electrochemical processes in semi-pilot scale for the removal of clopyralid from soil washing wastes. Separation and Purification Technology, 2019, 208, 100-109.	7.9	27
41	Can electro-bioremediation of polluted soils perform as a self-sustainable process?. Journal of Applied Electrochemistry, 2018, 48, 579-588.	2.9	14
42	Thermally-treated algal suspensions as fuel for microbial fuel cells. Journal of Electroanalytical Chemistry, 2018, 814, 77-82.	3.8	6
43	Degradation of dye Procion Red MX-5B by electrolytic and electro-irradiated technologies using diamond electrodes. Chemosphere, 2018, 199, 445-452.	8.2	45
44	Disinfection of urine by conductive-diamond electrochemical oxidation. Applied Catalysis B: Environmental, 2018, 229, 63-70.	20.2	48
45	Improving biodegradability of soil washing effluents using anodic oxidation. Bioresource Technology, 2018, 252, 1-6.	9.6	32
46	Removal of Procion Red MX-5B dye from wastewater by conductive-diamond electrochemical oxidation. Electrochimica Acta, 2018, 263, 1-7.	5.2	124
47	Exploring the applicability of a combined electrodialysis/electro-oxidation cell for the degradation of 2,4-dichlorophenoxyacetic acid. Electrochimica Acta, 2018, 269, 415-421.	5.2	30
48	Towards the sustainable powering of the electrocoagulation of wastewater through the use of solar-vanadium redox flow battery: A first approach. Electrochimica Acta, 2018, 270, 14-21.	5.2	17
49	Algal biomass as fuel for stackedâ€MFCs for profitable, sustainable and carbon neutral bioenergy generation. Journal of Chemical Technology and Biotechnology, 2018, 93, 287-293.	3.2	9
50	Electrolytic and electro-irradiated technologies for the removal of chloramphenicol in synthetic urine with diamond anodes. Water Research, 2018, 128, 383-392.	11.3	61
51	Effect of sludge age on microbial consortia developed in MFCs. Journal of Chemical Technology and Biotechnology, 2018, 93, 1290-1299.	3.2	14
52	Vanadium redox flow batteries for the storage of electricity produced in wind turbines. International Journal of Energy Research, 2018, 42, 720-730.	4.5	29
53	Removal of pharmaceuticals from the urine of polymedicated patients: A first approach. Chemical Engineering Journal, 2018, 331, 606-614.	12.7	36
54	Optimization of a cell for the electrochemical synergistic production of peroxoacetic acid. Electrochimica Acta, 2018, 260, 177-183.	5.2	7

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55	Removal of 2,4-D herbicide in soils using a combined process based on washing and adsorption electrochemically assisted. Separation and Purification Technology, 2018, 194, 19-25.	7.9	22
56	A Critical View of Microbial Fuel Cells: What Is the Next Stage?. ChemSusChem, 2018, 11, 4183-4192.	6.8	34
57	Driving force of the better performance of metal-doped carbonaceous anodes in microbial fuel cells. Applied Energy, 2018, 225, 52-59.	10.1	27
58	Driving force behind electrochemical performance of microbial fuel cells fed with different substrates. Chemosphere, 2018, 207, 313-319.	8.2	40
59	Improving the catalytic effect of peroxodisulfate and peroxodiphosphate electrochemically generated at diamond electrode by activation with light irradiation. Chemosphere, 2018, 207, 774-780.	8.2	21
60	Biofilm and planktonic population distribution. Key aspects in carbonaceous anodes for microbial fuel cells. Journal of Chemical Technology and Biotechnology, 2018, 93, 3436-3443.	3.2	7
61	Can CabECOÂ® technology be used for the disinfection of highly faecal-polluted surface water?. Chemosphere, 2018, 209, 346-352.	8.2	30
62	Influence of the initial sludge characteristics and acclimation on the long-term performance of double-compartment acetate-fed microbial fuel cells. Journal of Electroanalytical Chemistry, 2018, 825, 1-7.	3.8	6
63	Can electrochemistry enhance the removal of organic pollutants by phytoremediation?. Journal of Environmental Management, 2018, 225, 280-287.	7.8	29
64	Treatment of ex-situ soil-washing fluids polluted with petroleum by anodic oxidation, photolysis, sonolysis and combined approaches. Chemical Engineering Journal, 2017, 310, 581-588.	12.7	61
65	Combining bioadsorption and photoelectrochemical oxidation for the treatment of soilâ€washing effluents polluted with herbicide 2,4â€D. Journal of Chemical Technology and Biotechnology, 2017, 92, 83-89.	3.2	31
66	Treatment of Soil-Washing Effluents Polluted with Herbicide Oxyfluorfen by Combined Biosorptionâ€“Electrolysis. Industrial & Engineering Chemistry Research, 2017, 56, 1903-1910.	3.7	22
67	Electrocoagulation as the Key for an Efficient Concentration and Removal of Oxyfluorfen from Liquid Wastes. Industrial & Engineering Chemistry Research, 2017, 56, 3091-3097.	3.7	24
68	Effect of the polarity reversal frequency in the electrokinetic-biological remediation of oxyfluorfen polluted soil. Chemosphere, 2017, 177, 120-127.	8.2	53
69	Removal of pendimethalin from soil washing effluents using electrolytic and electro-irradiated technologies based on diamond anodes. Applied Catalysis B: Environmental, 2017, 213, 190-197.	20.2	35
70	Is it really important the addition of salts for the electrolysis of soil washing effluents?. Electrochimica Acta, 2017, 246, 372-379.	5.2	40
71	The influence of sludge retention time on mixed culture microbial fuel cell start-ups. Biochemical Engineering Journal, 2017, 123, 38-44.	3.6	17
72	Optimization of the performance of an air-cathode MFC by changing solid retention time. Journal of Chemical Technology and Biotechnology, 2017, 92, 1746-1755.	3.2	16

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73	Highâ€Stability Electrodes for Highâ€Temperature Proton Exchange Membrane Fuel Cells by Using Advanced Nanocarbonaceous Materials. ChemElectroChem, 2017, 4, 3288-3295.	3.4	8
74	Assessing the phytoremediation potential of crop and grass plants for atrazine-spiked soils. Chemosphere, 2017, 185, 119-126.	8.2	64
75	Influence of the Cathode Platinum Loading and of the Implementation of Membranes on the Performance of Air-Breathing Microbial Fuel Cells. Electrocatalysis, 2017, 8, 442-449.	3.0	13
76	Irradiated-assisted electrochemical processes for the removal of persistent pollutants from real wastewater. Separation and Purification Technology, 2017, 175, 428-434.	7.9	28
77	Electrocoagulation as a key technique in the integrated urban water cycle â€“ A case study in the centre of Spain. Urban Water Journal, 2017, 14, 650-654.	2.1	10
78	Enhancement of high temperature PEMFC stability using catalysts based on Pt supported on SiC based materials. Applied Catalysis B: Environmental, 2016, 198, 516-524.	20.2	42
79	Energy recovery from winery wastewater using a dual chamber microbial fuel cell. Journal of Chemical Technology and Biotechnology, 2016, 91, 1802-1808.	3.2	42
80	Photoelectrocatalytic Oxidation of Methyl Orange on a TiO₂ Nanotubular Anode Using a Flow Cell. Chemical Engineering and Technology, 2016, 39, 135-141.	1.5	29
81	Influence of sludge age on the performance of MFC treating winery wastewater. Chemosphere, 2016, 151, 163-170.	8.2	46
82	What happens to inorganic nitrogen species during conductive diamond electrochemical oxidation of real wastewater?. Electrochemistry Communications, 2016, 67, 65-68.	4.7	41
83	Electrokinetic remediation of soil polluted with insoluble organics using biological permeable reactive barriers: Effect of periodic polarity reversal and voltage gradient. Chemical Engineering Journal, 2016, 299, 30-36.	12.7	107
84	Scale-up on electrokinetic remediation: Engineering and technological parameters. Journal of Hazardous Materials, 2016, 315, 135-143.	12.4	55
85	Synergistic integration of sonochemical and electrochemical disinfection with DSA anodes. Chemosphere, 2016, 163, 562-568.	8.2	42
86	Prescale-Up of Electro-Bioremediation Processes. , 2016, , .		2
87	Use of DiaCell modules for the electro-disinfection of secondary-treated wastewater with diamond anodes. Chemical Engineering Journal, 2016, 306, 433-440.	12.7	40
88	Scale-up of electrolytic and photoelectrolytic processes for water reclaiming: a preliminary study. Environmental Science and Pollution Research, 2016, 23, 19713-19722.	5.3	19
89	Life test of a high temperature PEM fuel cell prepared by electrospray. International Journal of Hydrogen Energy, 2016, 41, 20294-20304.	7.1	19
90	Improved Electrodes for High Temperature Proton Exchange Membrane Fuel Cells using Carbon Nanospheres. ChemSusChem, 2016, 9, 1187-1193.	6.8	23

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91	Use of conductive diamond photo-electrochemical oxidation for the removal of pesticide glyphosate. Separation and Purification Technology, 2016, 167, 127-135.	7.9	42
92	Removal of algae from biological cultures: a challenge for electrocoagulation?. Journal of Chemical Technology and Biotechnology, 2016, 91, 82-87.	3.2	15
93	Towards the scaleâ€up of electrolysis with diamond anodes: effect of stacking on the electrochemical oxidation of 2,4 D. Journal of Chemical Technology and Biotechnology, 2016, 91, 742-747.	3.2	19
94	Removal of herbicide glyphosate by conductive-diamond electrochemical oxidation. Applied Catalysis B: Environmental, 2016, 188, 305-312.	20.2	82
95	Removal of oxyfluorfen from ex-situ soil washing fluids using electrolysis with diamond anodes. Journal of Environmental Management, 2016, 171, 260-266.	7.8	33
96	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.	12.4	91
97	Geotechnical behaviour of low-permeability soils in surfactant-enhanced electrokinetic remediation. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 44-51.	1.7	12
98	Oxygen availability effect on the performance of airâ€breathing cathode microbial fuel cell. Biotechnology Progress, 2015, 31, 900-907.	2.6	33
99	The electrolytic treatment of synthetic urine using DSA electrodes. Journal of Electroanalytical Chemistry, 2015, 744, 62-68.	3.8	50
100	Activation by light irradiation of oxidants electrochemically generated during Rhodamine B elimination. Journal of Electroanalytical Chemistry, 2015, 757, 144-149.	3.8	26
101	Feasibility Of Coupling Permeable Bio-Barriers And Electrokinetics For The Treatment Of Diesel Hydrocarbons Polluted Soils. Electrochimica Acta, 2015, 181, 192-199.	5.2	41
102	Combined soil washing and CDEO for the removal of atrazine from soils. Journal of Hazardous Materials, 2015, 300, 129-134.	12.4	75
103	Combination of bioremediation and electrokinetics for the in-situ treatment of diesel polluted soil: A comparison of strategies. Science of the Total Environment, 2015, 533, 307-316.	8.0	60
104	Conductive diamond electrochemical oxidation of caffeine-intensified biologically treated urban wastewater. Chemosphere, 2015, 136, 281-288.	8.2	29
105	The role of particle size on the conductive diamond electrochemical oxidation of soil-washing effluent polluted with atrazine. Electrochemistry Communications, 2015, 55, 26-29.	4.7	64
106	Microporous layer based on SiC for high temperature proton exchange membrane fuel cells. Journal of Power Sources, 2015, 288, 288-295.	7.8	27
107	Irradiation-assisted electrochemical processes for the removal of persistent organic pollutants from wastewater. Journal of Applied Electrochemistry, 2015, 45, 799-808.	2.9	48
108	Removal of nitrates from spiked clay soils by coupling electrokinetic and permeable reactive barrier technologies. Journal of Chemical Technology and Biotechnology, 2015, 90, 1719-1726.	3.2	19

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109	Influence of mediated processes on the removal of Rhodamine with conductive-diamond electrochemical oxidation. Applied Catalysis B: Environmental, 2015, 166-167, 454-459.	20.2	69
110	Treatment of synthetic urine by electrochemical oxidation using conductive-diamond anodes. Environmental Science and Pollution Research, 2015, 22, 6176-6184.	5.3	41
111	Conductive diamond sono-electrochemical disinfection (CDSED) for municipal wastewater reclamation. Ultrasonics Sonochemistry, 2015, 22, 493-498.	8.2	27
112	Characterization of light/dark cycle and long-term performance test in a photosynthetic microbial fuel cell. Fuel, 2015, 140, 209-216.	6.4	50
113	Long-term testing of a high-temperature proton exchange membrane fuel cell short stack operated with improved polybenzimidazole-based composite membranes. Journal of Power Sources, 2015, 274, 177-185.	7.8	74
114	Biological permeable reactive barriers coupled with electrokinetic soil flushing for the treatment of diesel-polluted clay soil. Journal of Hazardous Materials, 2015, 283, 131-139.	12.4	74
115	Use of carbon felt cathodes for the electrochemical reclamation of urban treated wastewaters. Applied Catalysis B: Environmental, 2015, 162, 252-259.	20.2	79
116	Study of a photosynthetic MFC for energy recovery from synthetic industrial fruit juice wastewater. International Journal of Hydrogen Energy, 2014, 39, 21828-21836.	7.1	37
117	Electrochemical removal of dimethyl phthalate with diamond anodes. Journal of Chemical Technology and Biotechnology, 2014, 89, 282-289.	3.2	28
118	Energy recovery of biogas from juice wastewater through a short high temperature PEMFC stack. International Journal of Hydrogen Energy, 2014, 39, 6937-6943.	7.1	13
119	Coupling photo and sono technologies to improve efficiencies in conductive diamond electrochemical oxidation. Applied Catalysis B: Environmental, 2014, 144, 121-128.	20.2	57
120	Effect of bipolar electrode material on the reclamation of urban wastewater by an integrated electrodisinfection/electrocoagulation process. Water Research, 2014, 53, 329-338.	11.3	64
121	Coupling ultraviolet light and ultrasound irradiation with Conductive-Diamond Electrochemical Oxidation for the removal of progesterone. Electrochimica Acta, 2014, 140, 20-26.	5.2	56
122	Using a new photoâ€reactor to promote conductiveâ€diamond electrochemical oxidation of dimethyl phthalate. Journal of Chemical Technology and Biotechnology, 2014, 89, 1251-1258.	3.2	24
123	Effect of a direct electric current on the activity of a hydrocarbon-degrading microorganism culture used as the flushing liquid in soil remediation processes. Separation and Purification Technology, 2014, 124, 217-223.	7.9	38
124	Sono-electrocoagulation of wastewater polluted with Rhodamine 6G. Separation and Purification Technology, 2014, 135, 110-116.	7.9	42
125	Removal of 2,4,6-Trichlorophenol from Spiked Clay Soils by Electrokinetic Soil Flushing Assisted with Granular Activated Carbon Permeable Reactive Barrier. Industrial & Engineering Chemistry Research, 2014, 53, 840-846.	3.7	36
126	Electrochemical conversion/combustion of a model organic pollutant on BDD anode: Role of sp 3 /sp 2 ratio. Electrochemistry Communications, 2014, 47, 37-40.	4.7	96

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127	Neuro-evolutionary approach applied for optimizing the PEMFC performance. International Journal of Hydrogen Energy, 2014, 39, 4037-4043.	7.1	8
128	Durability study of HTPEMFC through current distribution measurements and the application of a model. International Journal of Hydrogen Energy, 2014, 39, 21678-21687.	7.1	17
129	High efficiencies in the electrochemical oxidation of an anthraquinonic dye with conductive-diamond anodes. Environmental Science and Pollution Research, 2014, 21, 8442-8450.	5.3	34
130	Coupling UV irradiation and electrocoagulation for reclamation of urban wastewater. Electrochimica Acta, 2014, 140, 396-403.	5.2	34
131	Lagooning microbial fuel cells: A first approach by coupling electricity-producing microorganisms and algae. Applied Energy, 2013, 110, 220-226.	10.1	96
132	Microbial fuel cell with an algae-assisted cathode: A preliminary assessment. Journal of Power Sources, 2013, 242, 638-645.	7.8	167
133	Optimization of an integrated electrodisinfection/electrocoagulation process with Al bipolar electrodes for urban wastewater reclamation. Water Research, 2013, 47, 1741-1750.	11.3	88
134	Sonoelectrolysis of Wastewaters Polluted with Dimethyl Phthalate. Industrial & Engineering Chemistry Research, 2013, 52, 9674-9682.	3.7	31
135	The Treatment of Actual Industrial Wastewaters Using Electrochemical Techniques. Electrocatalysis, 2013, 4, 252-258.	3.0	19
136	Arsenic Removal from High-Arsenic Water Sources by Coagulation and Electrocoagulation. Separation Science and Technology, 2013, 48, 508-514.	2.5	20
137	Modelling and cost evaluation of electro-coagulation processes for the removal of anions from water. Separation and Purification Technology, 2013, 107, 219-227.	7.9	30
138	Electrochemical Degradation of the Reactive Red 141 Dye Using a Boron-Doped Diamond Anode. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	36
139	On the applications of peroxodiphosphate produced by BDD-electrolyses. Chemical Engineering Journal, 2013, 233, 8-13.	12.7	54
140	Treatment of Cu/Zn wastes by combined PSUâ€“electrodeposition processes. Journal of Environmental Management, 2013, 116, 181-185.	7.8	3
141	Degradation of caffeine by conductive diamond electrochemical oxidation. Chemosphere, 2013, 93, 1720-1725.	8.2	58
142	Neuro-evolutionary modelling of the electrodeposition stage of a polymer-supported ultrafiltrationâ€“electrodeposition process for the recovery of heavy metals. Environmental Modelling and Software, 2013, 42, 133-142.	4.5	7
143	Removal of triclosan by conductiveâ€diamond electrolysis and sonoelectrolysis. Journal of Chemical Technology and Biotechnology, 2013, 88, 823-828.	3.2	43
144	Electrochemical coagulation of treated wastewaters for reuse. Desalination and Water Treatment, 2013, 51, 3381-3388.	1.0	18

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145	Electrokinetic transport of diesel-degrading microorganisms through soils of different textures using electric fields. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 274-279.	1.7	21
146	Production of coagulant reagents for electro-coagulation processes at low current densities. Desalination and Water Treatment, 2012, 45, 256-262.	1.0	6
147	Titanium composite PBI-based membranes for high temperature polymer electrolyte membrane fuel cells. Effect on titanium dioxide amount. RSC Advances, 2012, 2, 1547-1556.	3.6	94
148	Life study of a PBI-PEM fuel cell by current distribution measurement. Journal of Applied Electrochemistry, 2012, 42, 711-718.	2.9	15
149	Use of conductive-diamond electrochemical-oxidation for the disinfection of several actual treated wastewaters. Chemical Engineering Journal, 2012, 211-212, 463-469.	12.7	71
150	Conductive-diamond electrochemical oxidation of chlorpyrifos in wastewater and identification of its main degradation products by LCâ€“TOFMS. Chemosphere, 2012, 89, 1169-1176.	8.2	22
151	Effect of the cathode material on the removal of nitrates by electrolysis in non-chloride media. Journal of Hazardous Materials, 2012, 213-214, 478-484.	12.4	80
152	An easy parameter estimation procedure for modeling a HT-PEMFC. International Journal of Hydrogen Energy, 2012, 37, 11308-11320.	7.1	22
153	Electrochemical dosing of iron and aluminum in continuous processes: A key step to explain electro-coagulation processes. Separation and Purification Technology, 2012, 98, 102-108.	7.9	86
154	Electrochemical denitrificacion with chlorides using DSA and BDD anodes. Chemical Engineering Journal, 2012, 184, 66-71.	12.7	123
155	Influence of the supporting electrolyte on the electrolyses of dyes with conductive-diamond anodes. Chemical Engineering Journal, 2012, 184, 221-227.	12.7	82
156	Removal of heavy metal ions by polymer enhanced ultrafiltration. Desalination, 2012, 286, 193-199.	8.2	55
157	An evaluation of aerobic and anaerobic sludges as start-up material for microbial fuel cell systems. New Biotechnology, 2012, 29, 415-420.	4.4	40
158	Electro-oxidation of As(III) with dimensionally-stable and conductive-diamond anodes. Journal of Hazardous Materials, 2012, 203-204, 22-28.	12.4	25
159	Metoprolol abatement from wastewaters by electrochemical oxidation with boron doped diamond anodes. Journal of Chemical Technology and Biotechnology, 2012, 87, 225-231.	3.2	34
160	Electrolysis of progesterone with conductiveâ€diamond electrodes. Journal of Chemical Technology and Biotechnology, 2012, 87, 1173-1178.	3.2	32
161	Removal of sulfamethoxazole from waters and wastewaters by conductiveâ€diamond electrochemical oxidation. Journal of Chemical Technology and Biotechnology, 2012, 87, 1441-1449.	3.2	56
162	Enhancement of the fuel cell performance of a high temperature proton exchange membrane fuel cell running with titanium composite polybenzimidazole-based membranes. Journal of Power Sources, 2011, 196, 8265-8271.	7.8	78

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163	A novel titanium PBI-based composite membrane for high temperature PEMFCs. Journal of Membrane Science, 2011, 369, 105-111.	8.2	96
164	Removal of nitrates from groundwater by electrocoagulation. Chemical Engineering Journal, 2011, 171, 1012-1017.	12.7	133
165	Electrochemical phosphates removal using iron and aluminium electrodes. Chemical Engineering Journal, 2011, 172, 137-143.	12.7	108
166	Removal of arsenic by iron and aluminium electrochemically assisted coagulation. Separation and Purification Technology, 2011, 79, 15-19.	7.9	67
167	Removal of nitrates by electrolysis in non-chloride media: Effect of the anode material. Separation and Purification Technology, 2011, 80, 592-599.	7.9	62
168	Promising TiOSO₄ Composite Polybenzimidazoleâ€Based Membranes for High Temperature PEMFCs. ChemSusChem, 2011, 4, 1489-1497.	6.8	45
169	Testing PtRu/CNF catalysts for a high temperature polybenzimidazole-based direct ethanol fuel cell. Effect of metal content. Applied Catalysis B: Environmental, 2011, 106, 174-174.	20.2	14
170	Study of flow channel geometry using current distribution measurement in a high temperature polymer electrolyte membrane fuel cell. Journal of Power Sources, 2011, 196, 4209-4217.	7.8	64
171	Scale-up of a high temperature polymer electrolyte membrane fuel cell based on polybenzimidazole. Journal of Power Sources, 2011, 196, 4306-4313.	7.8	34
172	Influence of soil texture on the electrokinetic transport of diesel-degrading microorganisms. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 914-919.	1.7	22
173	Electro-osmotic fluxes in multi-well electro-remediation processes. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1549-1557.	1.7	28
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