Manuel A Rodrigo

List of Publications by Year
in descending order

536	26,988	7096	12272
papers	citations	78 h-index	133 g-index

546	546	546	13407
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Can the green energies improve the sustainability of electrochemically-assisted soil remediation processes?. Science of the Total Environment, 2022, 803, 149991.	8.0	3
2	Adapting the low-cost pre-disinfection column PREDICO for simultaneous softening and disinfection of pore water. Chemosphere, 2022, 287, 132334.	8.2	1
3	Electrochemical degradation of a methyl paraben and propylene glycol mixture: Interference effect of competitive oxidation and pH stability. Chemosphere, 2022, 287, 132229.	8.2	9
4	Exploring the pressurized heterogeneous electro-Fenton process and modelling the system. Chemical Engineering Journal, 2022, 431, 133280.	12.7	8
5	Toward real applicability of electro-ozonizers: Paying attention to the gas phase using actual commercial PEM electrolyzers technology. Chemosphere, 2022, 289, 133141.	8.2	8
6	Bisphenol-S removal via photoelectro-fenton/H2O2 process using Co-porphyrin/Printex L6 gas diffusion electrode. Separation and Purification Technology, 2022, 285, 120299.	7.9	18
7	Scale-up of Ru-based mesh anodes for the degradation of synthetic hospital wastewater. Separation and Purification Technology, 2022, 285, 120260.	7.9	3
8	Characterization of PBI/Graphene Oxide Composite Membranes for the SO2 Depolarized Electrolysis at High Temperature. Membranes, 2022, 12, 116.	3.0	9
9	Achievement and electrochemical responsiveness of advanced boron-doped ultrananocrystalline diamond on highly ordered titanium dioxide nanotubes. Diamond and Related Materials, 2022, 121, 108793.	3.9	6
10	Improving stability of chloralkaline high-temperature PBI-PEMFCs. Journal of Electroanalytical Chemistry, 2022, 904, 115940.	3.8	1
11	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
12	Electrospray Deposition of Catalyst Layers with Ultralow Pt Loading for Cost-Effective H₂ Production by SO₂ Electrolysis. ACS Applied Energy Materials, 2022, 5, 2138-2149.	5.1	8
13	Electrochemical Production of Hydrogen Peroxide in Perchloric Acid Supporting Electrolytes for the Synthesis of Chlorine Dioxide. Industrial & Engineering Chemistry Research, 2022, 61, 3263-3271.	3.7	8
14	Full and Sustainable Electrochemical Production of Chlorine Dioxide. Catalysts, 2022, 12, 315.	3.5	4
15	Towards the production of chlorine dioxide from electrochemically <scp>inâ€situ</scp> produced solutions of chlorate. Journal of Chemical Technology and Biotechnology, 2022, 97, 2024-2031.	3.2	6
16	Electrolytic removal of volatile organic compounds: Keys to understand the process. Journal of Electroanalytical Chemistry, 2022, 912, 116259.	3.8	11
17	The integration of ZVI-dehalogenation and electrochemical oxidation for the treatment of complex effluents polluted with iodinated compounds. Journal of Environmental Chemical Engineering, 2022, 10, 107587.	6.7	4
18	On the way to raising the technology readiness level of diamond electrolysis. Current Opinion in Electrochemistry, 2022, 33, 100928.	4.8	1

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19	Enhancing soil vapor extraction with EKSF for the removal of HCHs. Chemosphere, 2022, 296, 134052.	8.2	9
20	Production of value-added substances from the electrochemical oxidation of volatile organic compounds in methanol medium. Chemical Engineering Journal, 2022, 440, 135803.	12.7	12
21	Using solar power regulation to electrochemically capture carbon dioxide: Process integration and case studies. Energy Reports, 2022, 8, 4957-4963.	5.1	5
22	Influence of current density and inlet gas flow in the treatment of gaseous streams polluted with benzene by electro-absorption. Electrochimica Acta, 2022, 423, 140610.	5.2	5
23	Removal of lindane using electrokinetic soil flushing coupled with air stripping. Journal of Applied Electrochemistry, 2022, 52, 1317-1326.	2.9	10
24	Electro-Fenton-Based Technologies for Selectively Degrading Antibiotics in Aqueous Media. Catalysts, 2022, 12, 602.	3.5	4
25	Combination of granular activated carbon adsorption and electrochemical oxidation processes in methanol medium for benzene removal. Electrochimica Acta, 2022, 425, 140681.	5.2	7
26	Enhancement of SO2 high temperature depolarized electrolysis by means of graphene oxide composite polybenzimidazole membranes. Journal of Cleaner Production, 2022, 363, 132372.	9.3	7
27	Highly Efficient Electrochemical Production of Hydrogen Peroxide Using the GDE Technology. Industrial & Engineering Chemistry Research, 2022, 61, 10660-10669.	3.7	12
28	Microwave-prepared Ti/RuO2-IrO2 anodes: Influence of IrO2 content on atrazine removal. Electrochimica Acta, 2022, 426, 140782.	5.2	6
29	Improving sustainability of electrolytic wastewater treatment processes by green powering. Science of the Total Environment, 2021, 754, 142230.	8.0	17
30	Enhancement of UV disinfection of urine matrixes by electrochemical oxidation. Journal of Hazardous Materials, 2021, 410, 124548.	12.4	23
31	Biostimulation versus bioaugmentation for the electro-bioremediation of 2,4-dichlorophenoxyacetic acid polluted soils. Journal of Environmental Management, 2021, 277, 111424.	7.8	11
32	Does intensification with UV light and US improve the sustainability of electrolytic waste treatment processes?. Journal of Environmental Management, 2021, 279, 111597.	7.8	9
33	Improving the degradation of low concentration of microcystin-LR with PEM electrolyzers and photo-electrolyzers. Separation and Purification Technology, 2021, 259, 118189.	7.9	8
34	Photocatalytic performance of Ti/MMO/ZnO at degradation of levofloxacin: Effect of pH and chloride anions. Journal of Electroanalytical Chemistry, 2021, 880, 114894.	3.8	20
35	Bio-electrocatalytic dechlorination of 2,4-dichlorophenol. Effect of pH and operational configuration. Electrochimica Acta, 2021, 367, 137456.	5.2	6
36	A tube-in-tube membrane microreactor for tertiary treatment of urban wastewaters by photo-Fenton at neutral pH: A proof of concept. Chemosphere, 2021, 263, 128049.	8.2	17

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37	Assessing the viability of electro-absorption and photoelectro-absorption for the treatment of gaseous perchloroethylene. Environmental Science and Pollution Research, 2021, 28, 23657-23666.	5.3	4
38	Fundamental of Electrokinetic Processes. Environmental Pollution, 2021, , 29-41.	0.4	1
39	Promoting the formation of Co (III) electrocatalyst with diamond anodes. Journal of Electroanalytical Chemistry, 2021, 882, 115007.	3.8	6
40	Electrochemically Assisted Soil Washing for the Remediation of Non-polar and Volatile Pollutants. Current Pollution Reports, 2021, 7, 180-193.	6.6	3
41	Modelling of the treatment of wastewater by photovoltaic solar electrochemical oxidation (PSEO) assisted by redox-flow batteries. Journal of Water Process Engineering, 2021, 40, 101974.	5.6	9
42	Understanding ozone generation in electrochemical cells at mild pHs. Electrochimica Acta, 2021, 376, 138033.	5.2	27
43	The role of chloramines on the electrodisinfection of Klebsiella pneumoniae in hospital urines. Chemical Engineering Journal, 2021, 409, 128253.	12.7	23
44	Towards a higher photostability of ZnO photo-electrocatalysts in the degradation of organics by using MMO substrates. Chemosphere, 2021, 271, 129451.	8.2	13
45	Toward more sustainable photovoltaic solar electrochemical oxidation treatments: Influence of hydraulic and electrical distribution. Journal of Environmental Management, 2021, 285, 112064.	7.8	16
46	Novel Ti/RuO2IrO2 anode to reduce the dangerousness of antibiotic polluted urines by Fenton-based processes. Chemosphere, 2021, 270, 129344.	8.2	24
47	Relevance of gaseous flows in electrochemically assisted soil thermal remediation. Current Opinion in Electrochemistry, 2021, 27, 100698.	4.8	4
48	A review on the electrochemical production of chlorine dioxide from chlorates and hydrogen peroxide. Current Opinion in Electrochemistry, 2021, 27, 100685.	4.8	18
49	Disinfection of urines using an electro-ozonizer. Electrochimica Acta, 2021, 382, 138343.	5.2	12
50	New insights about the electrochemical production of ozone. Current Opinion in Electrochemistry, 2021, 27, 100697.	4.8	28
51	Electro-oxidation of tetracycline in methanol media on DSAÂ®-Cl2. Chemosphere, 2021, 273, 129696.	8.2	18
52	Management of solar energy to power electrochemical wastewater treatments. Journal of Water Process Engineering, 2021, 41, 102056.	5.6	10
53	Electrochemically-based hybrid oxidative technologies for the treatment of micropollutants in drinking water. Chemical Engineering Journal, 2021, 414, 128531.	12.7	19
54	Electrochemical generation of ozone using a PEM electrolyzer at acidic pHs. Separation and Purification Technology, 2021, 267, 118672.	7.9	21

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55	Ultra-fast synthesis of Ti/Ru0.3Ti0.7O2 anodes with superior electrochemical properties using an ionic liquid and laser calcination. Chemical Engineering Journal, 2021, 416, 129011.	12.7	9
56	Platinum Recovery Techniques for a Circular Economy. Catalysts, 2021, 11, 937.	3.5	17
57	Continuous electro-scrubbers for the removal of perchloroethylene: Keys for selection. Journal of Electroanalytical Chemistry, 2021, 892, 115267.	3.8	3
58	Electroscrubbers for removing volatile organic compounds and odorous substances from polluted gaseous streams. Current Opinion in Electrochemistry, 2021, 28, 100718.	4.8	4
59	Towards a more realistic heterogeneous electro-Fenton. Journal of Electroanalytical Chemistry, 2021, 895, 115475.	3.8	14
60	First approaches for hydrogen production by the depolarized electrolysis of SO2 using phosphoric acid doped polybenzimidazole membranes. International Journal of Hydrogen Energy, 2021, 46, 29763-29773.	7.1	8
61	Chloralkali low temperature PEM reversible electrochemical cells. Electrochimica Acta, 2021, 387, 138542.	5.2	5
62	Treatment of toluene gaseous streams using packed column electro-scrubbers and cobalt mediators. Journal of Electroanalytical Chemistry, 2021, 895, 115500.	3.8	5
63	On the production of ozone, hydrogen peroxide and peroxone in pressurized undivided electrochemical cells. Electrochimica Acta, 2021, 390, 138878.	5.2	13
64	Evaluation of Goethite as a Catalyst for the Thermal Stage of the Westinghouse Process for Hydrogen Production. Catalysts, 2021, 11, 1145.	3.5	1
65	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
66	Platinum: A key element in electrode composition for reversible chloralkaline electrochemical cells. International Journal of Hydrogen Energy, 2021, 46, 32602-32611.	7.1	4
67	Scale-up of electrokinetic permeable reactive barriers for the removal of organochlorine herbicide from spiked soils. Journal of Hazardous Materials, 2021, 417, 126078.	12.4	15
68	Cobalt mediated electro-scrubbers for the degradation of gaseous perchloroethylene. Chemosphere, 2021, 279, 130525.	8.2	4
69	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
70	Comparison of the performance of packed column and jet electro-scrubbers for the removal of toluene. Journal of Environmental Chemical Engineering, 2021, 9, 106114.	6.7	6
71	Are we correctly targeting the research on disinfection of antibiotic-resistant bacteria (ARB)?. Journal of Cleaner Production, 2021, 320, 128865.	9.3	11
72	A review on disinfection technologies for controlling the antibiotic resistance spread. Science of the Total Environment, 2021, 797, 149150.	8.0	37

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73	Is ozone production able to explain the good performance of CabECOÂ® technology in wastewater treatment?. Electrochimica Acta, 2021, 396, 139262.	5.2	6
74	Photoelectrocatalytic treatment of levofloxacin using Ti/MMO/ZnO electrode. Chemosphere, 2021, 284, 131303.	8.2	10
75	Valorization of high-salinity effluents for CO2 fixation and hypochlorite generation. Chemosphere, 2021, 285, 131359.	8.2	3
76	Pressurized electro-Fenton for the reduction of the environmental impact of antibiotics. Separation and Purification Technology, 2021, 276, 119398.	7.9	27
77	Electrochemical treatment of soil-washing effluent with boron-doped diamond electrodes: A review. Current Opinion in Solid State and Materials Science, 2021, 25, 100962.	11.5	17
78	Modelling electro-scrubbers for removal of VOCs. Separation and Purification Technology, 2021, 277, 119419.	7.9	2
79	Towards the Electrochemical Retention of CO₂: Is it Worth it?. ChemElectroChem, 2021, 8, 3947-3953.	3.4	4
80	Electrochemical Technologies to Decrease the Chemical Risk of Hospital Wastewater and Urine. Molecules, 2021, 26, 6813.	3.8	13
81	Production of Chlorine Dioxide Using Hydrogen Peroxide and Chlorates. Catalysts, 2021, 11, 1478.	3.5	8
82	Impact of carbonaceous particles concentration in a nanofluidic electrolyte for vanadium redox flow batteries. Carbon, 2020, 156, 287-298.	10.3	19
83	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
84	A comparison between flow-through cathode and mixed tank cells for the electro-Fenton process with conductive diamond anode. Chemosphere, 2020, 238, 124854.	8.2	19
85	Testing different strategies for the remediation of soils polluted with lindane. Chemical Engineering Journal, 2020, 381, 122674.	12.7	25
86	A mesocosm study of electrokinetic-assisted phytoremediation of atrazine-polluted soils. Separation and Purification Technology, 2020, 233, 116044.	7.9	29
87	Improving photolytic treatments with electrochemical technology. Separation and Purification Technology, 2020, 235, 116229.	7.9	9
88	Scaling-up an integrated electrodisinfection-electrocoagulation process for wastewater reclamation. Chemical Engineering Journal, 2020, 380, 122415.	12.7	39
89	Improved electrolysis of colloid-polluted wastes using ultrasounds and electrocoagulation. Separation and Purification Technology, 2020, 231, 115926.	7.9	20
90	Innovative photoelectrochemical cell for the removal of CHCs from soil washing wastes. Separation and Purification Technology, 2020, 230, 115876.	7.9	13

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91	Assessing the performance of electrochemical oxidation using DSAÂ® and BDD anodes in the presence of UVC light. Chemosphere, 2020, 238, 124575.	8.2	39
92	Removal of oxyfluorfen from polluted effluents by combined bio-electro processes. Chemosphere, 2020, 240, 124912.	8.2	10
93	A multi-layered view of chemical and biochemical engineering. Chemical Engineering Research and Design, 2020, 155, A133-A145.	5.6	58
94	New laser-based method for the synthesis of stable and active Ti/SnO2â€“Sb anodes. Electrochimica Acta, 2020, 332, 135478.	5.2	31
95	Synthesis and characterization of Pt on novel catalyst supports for the H2 production in the Westinghouse cycle. International Journal of Hydrogen Energy, 2020, 45, 25672-25680.	7.1	11
96	Prediction and management of solar energy to power electrochemical processes for the treatment of wastewater effluents. Electrochimica Acta, 2020, 335, 135594.	5.2	13
97	Is it worth using the coupled electrodialysis/electro-oxidation system for the removal of pesticides? Process modelling and role of the pollutant. Chemosphere, 2020, 246, 125781.	8.2	10
98	Understanding the electrolytic generation of sulfate and chlorine oxidative species with different boron-doped diamond anodes. Journal of Electroanalytical Chemistry, 2020, 857, 113756.	3.8	46
99	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
100	Biodegradability improvement and toxicity reduction of soil washing effluents polluted with atrazine by means of electrochemical pre-treatment: Influence of the anode material. Journal of Environmental Management, 2020, 255, 109895.	7.8	17
101	Photoelectrolysis of clopyralid wastes with a novel laser-prepared MMO-RuO2TiO2 anode. Chemosphere, 2020, 244, 125455.	8.2	27
102	Treatment of mining wastewater polluted with cyanide by coagulation processes: A mechanistic study. Separation and Purification Technology, 2020, 237, 116345.	7.9	46
103	Towards the optimization of electro-bioremediation of soil polluted with 2,4-dichlorophenoxyacetic acid. Environmental Technology and Innovation, 2020, 20, 101156.	6.1	3
104	Jet electro-absorbers for the treatment of gaseous perchloroethylene wastes. Chemical Engineering Journal, 2020, 395, 125096.	12.7	13
105	Recent Progress in Catalysts for Hydrogen-Chlorine Regenerative Fuel Cells. Catalysts, 2020, 10, 1263.	3.5	16
106	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
107	Degradation of endosulfan by a coupled treatments in a batch reactor with three electrodes. Fuel, 2020, 281, 118741.	6.4	10
108	Microwave synthesis of Ti/(RuO2)0.5(IrO2)0.5 anodes: Improved electrochemical properties and stability. Journal of Electroanalytical Chemistry, 2020, 874, 114460.	3.8	30

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109	Electrocatalytic dechlorination of 2,4-dichlorophenol in bioelectrochemical systems. Journal of Electroanalytical Chemistry, 2020, 876, 114731.	3.8	8
110	Storage of energy using a gas-liquid H2/Cl2 fuel cell: A first approach to electrochemically-assisted absorbers. Chemosphere, 2020, 254, 126795.	8.2	13
111	Electro-disinfection with BDD-electrodes featuring PEM technology. Separation and Purification Technology, 2020, 248, 117081.	7.9	28
112	How to avoid the formation of hazardous chlorates and perchlorates during electro-disinfection with diamond anodes?. Journal of Environmental Management, 2020, 265, 110566.	7.8	11
113	Biodegradability improvement of clopyralid wastes through electrolysis using different diamond anodes. Environmental Research, 2020, 188, 109747.	7.5	8
114	Testing the role of electrode materials on the electro-Fenton and photoelectro-Fenton degradation of clopyralid. Journal of Electroanalytical Chemistry, 2020, 871, 114291.	3.8	23
115	Effect of the anode composition on the performance of reversible chlor-alkali electro-absorption cells. Separation and Purification Technology, 2020, 248, 117017.	7.9	9
116	Testing and scaling-up of a novel Ti/Ru0.7Ti0.3O2 mesh anode in a microfluidic flow-through reactor. Chemical Engineering Journal, 2020, 398, 125568.	12.7	21
117	On the Degradation of 17-Î² Estradiol Using Boron Doped Diamond Electrodes. Processes, 2020, 8, 710.	2.8	9
118	Importance of Electrode Tailoring in the Coupling of Electrolysis with Renewable Energy. ChemElectroChem, 2020, 7, 2925-2932.	3.4	4
119	Improving biodegradability of clopyralid wastes by photoelectrolysis: The role of the anode material. Journal of Electroanalytical Chemistry, 2020, 864, 114084.	3.8	15
120	Renewable energies driven electrochemical wastewater/soil decontamination technologies: A critical review of fundamental concepts and applications. Applied Catalysis B: Environmental, 2020, 270, 118857.	20.2	196
121	Enhancement of wastewater treatment using novel laser-made Ti/SnO2â€“Sb anodes with improved electrocatalytic properties. Chemosphere, 2020, 259, 127475.	8.2	22
122	Electro-Absorbers: A Comparison on Their Performance with Jet-Absorbers and Absorption Columns. Catalysts, 2020, 10, 653.	3.5	14
123	Electro-ozonizers: A new approach for an old problem. Separation and Purification Technology, 2020, 241, 116701.	7.9	26
124	Clopyralid degradation by AOPs enhanced with zero valent iron. Journal of Hazardous Materials, 2020, 392, 122282.	12.4	19
125	Electro-oxidation of methyl paraben on DSAÂ®-Cl2: UV irradiation, mechanistic aspects and energy consumption. Electrochimica Acta, 2020, 338, 135901.	5.2	24
126	Improving biotreatability of hazardous effluents combining ZVI, electrolysis and photolysis. Science of the Total Environment, 2020, 713, 136647.	8.0	9

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127	Electrochemically assisted dewatering for the removal of oxyfluorfen from a coagulation/flocculation sludge. Journal of Environmental Management, 2020, 258, 110015.	7.8	4
128	Electrokinetic-Fenton for the remediation low hydraulic conductivity soil contaminated with petroleum. Chemosphere, 2020, 248, 126029.	8.2	41
129	Testing the use of cells equipped with solid polymer electrolytes for electro-disinfection. Science of the Total Environment, 2020, 725, 138379.	8.0	26
130	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
131	Improvement of electrochemical oxidation efficiency through combination with adsorption processes. Journal of Environmental Management, 2020, 262, 110364.	7.8	23
132	Donnan-ion hydration model to estimate the electroosmotic permeability of clays. Electrochimica Acta, 2020, 355, 136758.	5.2	15
133	Strategies for powering electrokinetic soil remediation: A way to optimize performance of the environmental technology. Journal of Environmental Management, 2020, 267, 110665.	7.8	24
134	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
135	Operating the CabECOÂ® membrane electrolytic technology in continuous mode for the direct disinfection of highly fecal-polluted water. Separation and Purification Technology, 2019, 208, 110-115.	7.9	30
136	Anodic oxidation for the remediation of soils polluted with perchloroethylene. Journal of Chemical Technology and Biotechnology, 2019, 94, 288-294.	3.2	9
137	Development of a novel electrochemical coagulant dosing unit for water treatment. Journal of Chemical Technology and Biotechnology, 2019, 94, 216-221.	3.2	7
138	Electro-irradiated technologies for clopyralid removal from soil washing effluents. Separation and Purification Technology, 2019, 227, 115728.	7.9	14
139	Combined electrochemical processes for the efficient degradation of non-polar organochlorine pesticides. Journal of Environmental Management, 2019, 248, 109289.	7.8	21
140	Environmental applications of electrochemical technology. What is needed to enable full-scale applications?. Current Opinion in Electrochemistry, 2019, 16, 149-156.	4.8	87
141	Can the substrate of the diamond anodes influence on the performance of the electrosynthesis of oxidants?. Journal of Electroanalytical Chemistry, 2019, 850, 113416.	3.8	19
142	Dehalogenation of 2,4-Dichlorophenoxyacetic acid by means of bioelectrochemical systems. Journal of Electroanalytical Chemistry, 2019, 854, 113564.	3.8	10
143	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
144	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

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145	Enhancing the removal of atrazine from soils by electrokinetic-assisted phytoremediation using ryegrass (Lolium perenne L.). Chemosphere, 2019, 232, 204-212.	8.2	47
146	Enhanced electrolytic treatment for the removal of clopyralid and lindane. Chemosphere, 2019, 234, 132-138.	8.2	27
147	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
148	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
149	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
150	Powering with Solar Energy the Anodic Oxidation of Wastewater Polluted with Pesticides. ACS Sustainable Chemistry and Engineering, 2019, 7, 8303-8309.	6.7	24
151	Effects of ultrasound irradiation on the electrochemical treatment of wastes containing micelles. Applied Catalysis B: Environmental, 2019, 248, 108-114.	20.2	19
152	The Role of Mediated Oxidation on the Electro-irradiated Treatment of Amoxicillin and Ampicillin Polluted Wastewater. Catalysts, 2019, 9, 9.	3.5	19
153	Electrolysis with diamond anodes of the effluents of a combined soil washing â€“ ZVI dechlorination process. Journal of Hazardous Materials, 2019, 369, 577-583.	12.4	9
154	A comparison of the electrolysis of soil washing wastes with active and non-active electrodes. Chemosphere, 2019, 225, 19-26.	8.2	16
155	Effects of coupling hybrid processes on the treatment of wastewater containing a commercial mixture of diuron and hexazinone herbicides. Electrochimica Acta, 2019, 328, 135013.	5.2	20
156	The Role of the Anode Material in Selective Penicillin G Oxidation in Urine. ChemElectroChem, 2019, 6, 1376-1384.	3.4	31
157	Reproducibility and robustness of microbial fuel cells technology. Journal of Power Sources, 2019, 412, 640-647.	7.8	15
158	Electrochemical production of perchlorate as an alternative for the valorization of brines. Chemosphere, 2019, 220, 637-643.	8.2	9
159	Assessing the impact of design factors on the performance of two miniature microbial fuel cells. Electrochimica Acta, 2019, 297, 297-306.	5.2	17
160	Calcite buffer effects in electrokinetic remediation of clopyralid-polluted soils. Separation and Purification Technology, 2019, 212, 376-387.	7.9	30
161	A new electrochemically-based process for the removal of perchloroethylene from gaseous effluents. Chemical Engineering Journal, 2019, 361, 609-614.	12.7	15
162	Review of Anodic Catalysts for SO2 Depolarized Electrolysis for â€œGreen Hydrogenâ€•Production. Catalysts, 2019, 9, 63.	3.5	44

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163	Competitive Anodic Oxidation of Methyl Paraben and Propylene Glycol: Keys to Understand the Process. ChemElectroChem, 2019, 6, 771-778.	3.4	9
164	Techno-economic analysis of the scale-up process of electrochemically-assisted soil remediation. Journal of Environmental Management, 2019, 231, 570-575.	7.8	19
165	Electrochemical dewatering for the removal of hazardous species from sludge. Journal of Environmental Management, 2019, 233, 768-773.	7.8	8
166	Strategies for the electrobioremediation of oxyfluorfen polluted soils. Electrochimica Acta, 2019, 297, 137-144.	5.2	21
167	Integrating ZVI-dehalogenation into an electrolytic soil-washing cell. Separation and Purification Technology, 2019, 211, 28-34.	7.9	11
168	Electrokinetic-assisted phytoremediation of atrazine: Differences between electrode and interelectrode soil sections. Separation and Purification Technology, 2019, 211, 19-27.	7.9	23
169	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
170	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
171	Sono- and photoelectrocatalytic processes for the removal of ionic liquids based on the 1-butyl-3-methylimidazolium cation. Journal of Hazardous Materials, 2019, 372, 77-84.	12.4	16
172	Effect of the electrolyte on the electrolysis and photoelectrolysis of synthetic methyl paraben polluted wastewater. Separation and Purification Technology, 2019, 208, 201-207.	7.9	32
173	On the design of a jet-aerated microfluidic flow-through reactor for wastewater treatment by electro-Fenton. Separation and Purification Technology, 2019, 208, 123-129.	7.9	40
174	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
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