

Manuel A Rodrigo

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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	Characterization of PBI/Graphene Oxide Composite Membranes for the SO Depolarized Electrolysis at High Temperature.. <i>Membranes</i> , 2022 , 12,	3.8	4
528	Achievement and electrochemical responsiveness of advanced boron-doped ultrananocrystalline diamond on highly ordered titanium dioxide nanotubes. <i>Diamond and Related Materials</i> , 2022 , 121, 108793	3.5	1
527	Improving stability of chloralkaline high-temperature PBI-PEMFCs. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 904, 115940	4.1	
526	High levofloxacin removal in the treatment of synthetic human urine using Ti/MMO/ZnO photo-electrocatalyst. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 107317	6.8	2
525	Electrospray Deposition of Catalyst Layers with Ultralow Pt Loading for Cost-Effective H Production by SO Electrolysis.. <i>ACS Applied Energy Materials</i> , 2022 , 5, 2138-2149	6.1	1
524	Bisphenol-S removal via photoelectro-fenton/H ₂ O ₂ process using Co-porphyrin/Printex L6 gas diffusion electrode. <i>Separation and Purification Technology</i> , 2022 , 285, 120299	8.3	1
523	Scale-up of Ru-based mesh anodes for the degradation of synthetic hospital wastewater. <i>Separation and Purification Technology</i> , 2022 , 285, 120260	8.3	1
522	Can the green energies improve the sustainability of electrochemically-assisted soil remediation processes?. <i>Science of the Total Environment</i> , 2022 , 803, 149991	10.2	1
521	Adapting the low-cost pre-disinfection column PREDICO for simultaneous softening and disinfection of pore water. <i>Chemosphere</i> , 2022 , 287, 132334	8.4	
520	Electrochemical degradation of a methyl paraben and propylene glycol mixture: Interference effect of competitive oxidation and pH stability. <i>Chemosphere</i> , 2022 , 287, 132229	8.4	1
519	Electrochemical Production of Hydrogen Peroxide in Perchloric Acid Supporting Electrolytes for the Synthesis of Chlorine Dioxide.. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 3263-3271	3.9	0
518	Full and Sustainable Electrochemical Production of Chlorine Dioxide. <i>Catalysts</i> , 2022 , 12, 315	4	0
517	Electrolytic removal of volatile organic compounds: Keys to understand the process. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 912, 116259	4.1	1
516	The integration of ZVI-dehalogenation and electrochemical oxidation for the treatment of complex effluents polluted with iodinated compounds. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107587	6.8	1
515	On the way to raising the technology readiness level of diamond electrolysis. <i>Current Opinion in Electrochemistry</i> , 2022 , 33, 100928	7.2	
514	Enhancing soil vapor extraction with EKSF for the removal of HCHs.. <i>Chemosphere</i> , 2022 , 296, 134052	8.4	1
513	Production of value-added substances from the electrochemical oxidation of volatile organic compounds in methanol medium. <i>Chemical Engineering Journal</i> , 2022 , 440, 135803	14.7	1

512	Using solar power regulation to electrochemically capture carbon dioxide: Process integration and case studies. <i>Energy Reports</i> , 2022 , 8, 4957-4963	4.6	0
511	Influence of current density and inlet gas flow in the treatment of gaseous streams polluted with benzene by electro-absorption. <i>Electrochimica Acta</i> , 2022 , 423, 140610	6.7	0
510	Electro-Fenton-Based Technologies for Selectively Degrading Antibiotics in Aqueous Media. <i>Catalysts</i> , 2022 , 12, 602	4	0
509	Combination of granular activated carbon adsorption and electrochemical oxidation processes in methanol medium for benzene removal. <i>Electrochimica Acta</i> , 2022 , 140681	6.7	0
508	Enhancement of SO ₂ high temperature depolarized electrolysis by means of graphene oxide composite polybenzimidazole membranes. <i>Journal of Cleaner Production</i> , 2022 , 363, 132372	10.3	0
507	Exploring the pressurized heterogeneous electro-Fenton process and modelling the system. <i>Chemical Engineering Journal</i> , 2021 , 431, 133280	14.7	1
506	Electrochemical Technologies to Decrease the Chemical Risk of Hospital Wastewater and Urine. <i>Molecules</i> , 2021 , 26,	4.8	3
505	Toward real applicability of electro-ozonizers: Paying attention to the gas phase using actual commercial PEM electrolyzers technology. <i>Chemosphere</i> , 2021 , 289, 133141	8.4	0
504	Towards the Electrochemical Retention of CO ₂ : Is it Worth it?. <i>ChemElectroChem</i> , 2021 , 8, 3947-3953	4.3	2
503	Electrochemically Assisted Soil Washing for the Remediation of Non-polar and Volatile Pollutants. <i>Current Pollution Reports</i> , 2021 , 7, 180-193	7.6	0
502	Modelling of the treatment of wastewater by photovoltaic solar electrochemical oxidation (PSEO) assisted by redox-flow batteries. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101974	6.7	3
501	Understanding ozone generation in electrochemical cells at mild pHs. <i>Electrochimica Acta</i> , 2021 , 376, 138033	6.7	10
500	The role of chloramines on the electrodisinfection of <i>Klebsiella pneumoniae</i> in hospital urines. <i>Chemical Engineering Journal</i> , 2021 , 409, 128253	14.7	10
499	Towards a higher photostability of ZnO photo-electrocatalysts in the degradation of organics by using MMO substrates. <i>Chemosphere</i> , 2021 , 271, 129451	8.4	8
498	Toward more sustainable photovoltaic solar electrochemical oxidation treatments: Influence of hydraulic and electrical distribution. <i>Journal of Environmental Management</i> , 2021 , 285, 112064	7.9	6
497	Novel Ti/RuO _{1.5} anode to reduce the dangerousness of antibiotic polluted urines by Fenton-based processes. <i>Chemosphere</i> , 2021 , 270, 129344	8.4	12
496	Relevance of gaseous flows in electrochemically assisted soil thermal sremediation. <i>Current Opinion in Electrochemistry</i> , 2021 , 27, 100698	7.2	1
495	A review on the electrochemical production of chlorine dioxide from chlorates and hydrogen peroxide. <i>Current Opinion in Electrochemistry</i> , 2021 , 27, 100685	7.2	11

494	Disinfection of urines using an electro-ozonizer. <i>Electrochimica Acta</i> , 2021 , 382, 138343	6.7	5
493	New insights about the electrochemical production of ozone. <i>Current Opinion in Electrochemistry</i> , 2021 , 27, 100697	7.2	15
492	Electro-oxidation of tetracycline in methanol media on DSA \square -Cl. <i>Chemosphere</i> , 2021 , 273, 129696	8.4	4
491	Management of solar energy to power electrochemical wastewater treatments. <i>Journal of Water Process Engineering</i> , 2021 , 41, 102056	6.7	3
490	Electrochemically-based hybrid oxidative technologies for the treatment of micropollutants in drinking water. <i>Chemical Engineering Journal</i> , 2021 , 414, 128531	14.7	9
489	Electrochemical generation of ozone using a PEM electrolyzer at acidic pHs. <i>Separation and Purification Technology</i> , 2021 , 267, 118672	8.3	7
488	Improving sustainability of electrolytic wastewater treatment processes by green powering. <i>Science of the Total Environment</i> , 2021 , 754, 142230	10.2	8
487	Enhancement of UV disinfection of urine matrixes by electrochemical oxidation. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124548	12.8	10
486	Biostimulation versus bioaugmentation for the electro-bioremediation of 2,4-dichlorophenoxyacetic acid polluted soils. <i>Journal of Environmental Management</i> , 2021 , 277, 111424	7.9	5
485	Does intensification with UV light and US improve the sustainability of electrolytic waste treatment processes?. <i>Journal of Environmental Management</i> , 2021 , 279, 111597	7.9	5
484	Improving the degradation of low concentration of microcystin-LR with PEM electrolyzers and photo-electrolyzers. <i>Separation and Purification Technology</i> , 2021 , 259, 118189	8.3	3
483	Photocatalytic performance of Ti/MMO/ZnO at degradation of levofloxacin: Effect of pH and chloride anions. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 880, 114894	4.1	8
482	Bio-electrocatalytic dechlorination of 2,4-dichlorophenol. Effect of pH and operational configuration. <i>Electrochimica Acta</i> , 2021 , 367, 137456	6.7	4
481	A tube-in-tube membrane microreactor for tertiary treatment of urban wastewaters by photo-Fenton at neutral pH: A proof of concept. <i>Chemosphere</i> , 2021 , 263, 128049	8.4	9
480	Assessing the viability of electro-absorption and photoelectro-absorption for the treatment of gaseous perchloroethylene. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 23657-23666	5.1	3
479	Fundamental of Electrokinetic Processes. <i>Environmental Pollution</i> , 2021 , 29-41	0	1
478	Promoting the formation of Co (III) electrocatalyst with diamond anodes. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 882, 115007	4.1	4
477	Ultra-fast synthesis of Ti/Ru _{0.3} Ti _{0.7} O ₂ anodes with superior electrochemical properties using an ionic liquid and laser calcination. <i>Chemical Engineering Journal</i> , 2021 , 416, 129011	14.7	2

476	Platinum Recovery Techniques for a Circular Economy. <i>Catalysts</i> , 2021 , 11, 937	4	5
475	Continuous electro-scrubbers for the removal of perchloroethylene: Keys for selection. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 892, 115267	4.1	2
474	Electroscrubbers for removing volatile organic compounds and odorous substances from polluted gaseous streams. <i>Current Opinion in Electrochemistry</i> , 2021 , 28, 100718	7.2	0
473	Towards a more realistic heterogeneous electro-Fenton. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 895, 115475	4.1	5
472	First approaches for hydrogen production by the depolarized electrolysis of SO ₂ using phosphoric acid doped polybenzimidazole membranes. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 29763-29773	6.7	4
471	Chloralkali low temperature PEM reversible electrochemical cells. <i>Electrochimica Acta</i> , 2021 , 387, 138548	6.7	2
470	Treatment of toluene gaseous streams using packed column electro-scrubbers and cobalt mediators. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 895, 115500	4.1	2
469	On the production of ozone, hydrogen peroxide and peroxone in pressurized undivided electrochemical cells. <i>Electrochimica Acta</i> , 2021 , 390, 138878	6.7	3
468	Evaluation of Goethite as a Catalyst for the Thermal Stage of the Westinghouse Process for Hydrogen Production. <i>Catalysts</i> , 2021 , 11, 1145	4	
467	Outstanding performance of the microwave-made MMO-Ti/RuO ₂ /IrO ₂ anode on the removal of antimicrobial activity of Penicillin G by photoelectrolysis. <i>Chemical Engineering Journal</i> , 2021 , 420, 129999	14.7	9
466	Platinum: A key element in electrode composition for reversible chloralkaline electrochemical cells. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 32602-32611	6.7	2
465	Scale-up of electrokinetic permeable reactive barriers for the removal of organochlorine herbicide from spiked soils. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126078	12.8	4
464	Cobalt mediated electro-scrubbers for the degradation of gaseous perchloroethylene. <i>Chemosphere</i> , 2021 , 279, 130525	8.4	2
463	Electrochemical systems equipped with 2D and 3D microwave-made anodes for the highly efficient degradation of antibiotics in urine. <i>Electrochimica Acta</i> , 2021 , 392, 139012	6.7	8
462	Comparison of the performance of packed column and jet electro-scrubbers for the removal of toluene. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106114	6.8	3
461	Are we correctly targeting the research on disinfection of antibiotic-resistant bacteria (ARB)? <i>Journal of Cleaner Production</i> , 2021 , 320, 128865	10.3	4
460	A review on disinfection technologies for controlling the antibiotic resistance spread. <i>Science of the Total Environment</i> , 2021 , 797, 149150	10.2	9
459	Is ozone production able to explain the good performance of CabECO [®] technology in wastewater treatment?. <i>Electrochimica Acta</i> , 2021 , 396, 139262	6.7	1

458	Photoelectrocatalytic treatment of levofloxacin using Ti/MMO/ZnO electrode. <i>Chemosphere</i> , 2021 , 284, 131303	8.4	3
457	Valorization of high-salinity effluents for CO fixation and hypochlorite generation. <i>Chemosphere</i> , 2021 , 285, 131359	8.4	1
456	Pressurized electro-Fenton for the reduction of the environmental impact of antibiotics. <i>Separation and Purification Technology</i> , 2021 , 276, 119398	8.3	11
455	Electrochemical treatment of soil-washing effluent with boron-doped diamond electrodes: A review. <i>Current Opinion in Solid State and Materials Science</i> , 2021 , 25, 100962	12	2
454	Modelling electro-scrubbers for removal of VOCs. <i>Separation and Purification Technology</i> , 2021 , 277, 119419	8.3	1
453	Production of Chlorine Dioxide Using Hydrogen Peroxide and Chlorates. <i>Catalysts</i> , 2021 , 11, 1478	4	3
452	Storage of energy using a gas-liquid H/Cl fuel cell: A first approach to electrochemically-assisted absorbers. <i>Chemosphere</i> , 2020 , 254, 126795	8.4	6
451	Electro-disinfection with BDD-electrodes featuring PEM technology. <i>Separation and Purification Technology</i> , 2020 , 248, 117081	8.3	20
450	How to avoid the formation of hazardous chlorates and perchlorates during electro-disinfection with diamond anodes?. <i>Journal of Environmental Management</i> , 2020 , 265, 110566	7.9	5
449	Biodegradability improvement of clopyralid wastes through electrolysis using different diamond anodes. <i>Environmental Research</i> , 2020 , 188, 109747	7.9	4
448	Testing the role of electrode materials on the electro-Fenton and photoelectro-Fenton degradation of clopyralid. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 871, 114291	4.1	14
447	Effect of the anode composition on the performance of reversible chlor-alkali electro-absorption cells. <i>Separation and Purification Technology</i> , 2020 , 248, 117017	8.3	6
446	Testing and scaling-up of a novel Ti/Ru _{0.7} Ti _{0.3} O ₂ mesh anode in a microfluidic flow-through reactor. <i>Chemical Engineering Journal</i> , 2020 , 398, 125568	14.7	13
445	On the Degradation of 17- β -Estradiol Using Boron Doped Diamond Electrodes. <i>Processes</i> , 2020 , 8, 710	2.9	6
444	Importance of Electrode Tailoring in the Coupling of Electrolysis with Renewable Energy. <i>ChemElectroChem</i> , 2020 , 7, 2925-2932	4.3	2
443	Improving biodegradability of clopyralid wastes by photoelectrolysis: The role of the anode material. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 864, 114084	4.1	11
442	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
441	Enhancement of wastewater treatment using novel laser-made Ti/SnO ₂ Bb anodes with improved electrocatalytic properties. <i>Chemosphere</i> , 2020 , 259, 127475	8.4	7

440	Electro-Absorbers: A Comparison on Their Performance with Jet-Absorbers and Absorption Columns. <i>Catalysts</i> , 2020 , 10, 653	4	12
439	Electro-ozonizers: A new approach for an old problem. <i>Separation and Purification Technology</i> , 2020 , 241, 116701	8.3	19
438	Clopyralid degradation by AOPs enhanced with zero valent iron. <i>Journal of Hazardous Materials</i> , 2020 , 392, 122282	12.8	12
437	Electro-oxidation of methyl paraben on DSA \square -Cl 2 : UV irradiation, mechanistic aspects and energy consumption. <i>Electrochimica Acta</i> , 2020 , 338, 135901	6.7	11
436	Improving biotreatability of hazardous effluents combining ZVI, electrolysis and photolysis. <i>Science of the Total Environment</i> , 2020 , 713, 136647	10.2	6
435	Electrochemically assisted dewatering for the removal of oxyfluorfen from a coagulation/flocculation sludge. <i>Journal of Environmental Management</i> , 2020 , 258, 110015	7.9	1
434	Electrokinetic-Fenton for the remediation low hydraulic conductivity soil contaminated with petroleum. <i>Chemosphere</i> , 2020 , 248, 126029	8.4	22
433	Testing the use of cells equipped with solid polymer electrolytes for electro-disinfection. <i>Science of the Total Environment</i> , 2020 , 725, 138379	10.2	18
432	Donnan-ion hydration model to estimate the electroosmotic permeability of clays. <i>Electrochimica Acta</i> , 2020 , 355, 136758	6.7	6
431	Strategies for powering electrokinetic soil remediation: A way to optimize performance of the environmental technology. <i>Journal of Environmental Management</i> , 2020 , 267, 110665	7.9	12
430	Influence of the doping level of boron-doped diamond anodes on the removal of penicillin G from urine matrixes. <i>Science of the Total Environment</i> , 2020 , 736, 139536	10.2	23
429	Removal of oxyfluorfen from polluted effluents by combined bio-electro processes. <i>Chemosphere</i> , 2020 , 240, 124912	8.4	6
428	A multi-layered view of chemical and biochemical engineering. <i>Chemical Engineering Research and Design</i> , 2020 , 155, A133-A145	5.5	43
427	New laser-based method for the synthesis of stable and active Ti/SnO 2 Bb anodes. <i>Electrochimica Acta</i> , 2020 , 332, 135478	6.7	13
426	Synthesis and characterization of Pt on novel catalyst supports for the H 2 production in the Westinghouse cycle. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 25672-25680	6.7	7
425	Prediction and management of solar energy to power electrochemical processes for the treatment of wastewater effluents. <i>Electrochimica Acta</i> , 2020 , 335, 135594	6.7	8
424	Is it worth using the coupled electrodialysis/electro-oxidation system for the removal of pesticides? Process modelling and role of the pollutant. <i>Chemosphere</i> , 2020 , 246, 125781	8.4	6
423	Understanding the electrolytic generation of sulfate and chlorine oxidative species with different boron-doped diamond anodes. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 857, 113756	4.1	24

4 ²²	Performance of ultrafiltration as a pre-concentration stage for the treatment of oxyfluorfen by electrochemical BDD oxidation. <i>Separation and Purification Technology</i> , 2020 , 237, 116366	8.3	7
4 ²¹	Biodegradability improvement and toxicity reduction of soil washing effluents polluted with atrazine by means of electrochemical pre-treatment: Influence of the anode material. <i>Journal of Environmental Management</i> , 2020 , 255, 109895	7.9	9
4 ²⁰	Photoelectrolysis of clopyralid wastes with a novel laser-prepared MMO-RuOTiO anode. <i>Chemosphere</i> , 2020 , 244, 125455	8.4	21
4 ¹⁹	Treatment of mining wastewater polluted with cyanide by coagulation processes: A mechanistic study. <i>Separation and Purification Technology</i> , 2020 , 237, 116345	8.3	21
4 ¹⁸	Towards the optimization of electro-bioremediation of soil polluted with 2,4-dichlorophenoxyacetic acid. <i>Environmental Technology and Innovation</i> , 2020 , 20, 101156	7	2
4 ¹⁷	Jet electro-absorbers for the treatment of gaseous perchloroethylene wastes. <i>Chemical Engineering Journal</i> , 2020 , 395, 125096	14.7	13
4 ¹⁶	Recent Progress in Catalysts for Hydrogen-Chlorine Regenerative Fuel Cells. <i>Catalysts</i> , 2020 , 10, 1263	4	7
4 ¹⁵	Removal of antibiotic resistant bacteria by electrolysis with diamond anodes: A pretreatment or a tertiary treatment?. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101557	6.7	11
4 ¹⁴	Degradation of endosulfan by a coupled treatments in a batch reactor with three electrodes. <i>Fuel</i> , 2020 , 281, 118741	7.1	8
4 ¹³	Microwave synthesis of Ti/(RuO ₂) _{0.5} (IrO ₂) _{0.5} anodes: Improved electrochemical properties and stability. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 874, 114460	4.1	12
4 ¹²	Electrocatalytic dechlorination of 2,4-dichlorophenol in bioelectrochemical systems. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 876, 114731	4.1	3
4 ¹¹	Impact of carbonaceous particles concentration in a nanofluidic electrolyte for vanadium redox flow batteries. <i>Carbon</i> , 2020 , 156, 287-298	10.4	13
4 ¹⁰	Selection of anodic material for the combined electrochemical-biological treatment of lindane polluted soil washing effluents. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121237	12.8	5
4 ⁰⁹	A comparison between flow-through cathode and mixed tank cells for the electro-Fenton process with conductive diamond anode. <i>Chemosphere</i> , 2020 , 238, 124854	8.4	11
4 ⁰⁸	Testing different strategies for the remediation of soils polluted with lindane. <i>Chemical Engineering Journal</i> , 2020 , 381, 122674	14.7	13
4 ⁰⁷	A mesocosm study of electrokinetic-assisted phytoremediation of atrazine-polluted soils. <i>Separation and Purification Technology</i> , 2020 , 233, 116044	8.3	20
4 ⁰⁶	Improving photolytic treatments with electrochemical technology. <i>Separation and Purification Technology</i> , 2020 , 235, 116229	8.3	9
4 ⁰⁵	Scaling-up an integrated electrodisinfection-electrocoagulation process for wastewater reclamation. <i>Chemical Engineering Journal</i> , 2020 , 380, 122415	14.7	25

404	Improved electrolysis of colloid-polluted wastes using ultrasounds and electrocoagulation. <i>Separation and Purification Technology</i> , 2020 , 231, 115926	8.3	14
403	Innovative photoelectrochemical cell for the removal of CHCs from soil washing wastes. <i>Separation and Purification Technology</i> , 2020 , 230, 115876	8.3	11
402	Assessing the performance of electrochemical oxidation using DSA \square and BDD anodes in the presence of UVC light. <i>Chemosphere</i> , 2020 , 238, 124575	8.4	29
401	Improving the biodegradability of hospital urines polluted with chloramphenicol by the application of electrochemical oxidation. <i>Science of the Total Environment</i> , 2020 , 725, 138430	10.2	25
400	Improvement of electrochemical oxidation efficiency through combination with adsorption processes. <i>Journal of Environmental Management</i> , 2020 , 262, 110364	7.9	8
399	Towards the scale up of a pressurized-jet microfluidic flow-through reactor for cost-effective electro-generation of H ₂ O ₂ . <i>Journal of Cleaner Production</i> , 2019 , 211, 1259-1267	10.3	33
398	Electrobioremediation of Oxyfluorfen-Polluted Soil by Means of a Fixed-Bed Permeable Biological Barrier. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1	2.6	5
397	Enhancing the removal of atrazine from soils by electrokinetic-assisted phytoremediation using ryegrass (<i>Lolium perenne</i> L.). <i>Chemosphere</i> , 2019 , 232, 204-212	8.4	24
396	Enhanced electrolytic treatment for the removal of clopyralid and lindane. <i>Chemosphere</i> , 2019 , 234, 1328-1338	8.1	17
395	Reactor design as a critical input in the electrochemical production of peroxyacetic acid. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 2955-2960	3.5	4
394	Fixed-bed biological barrier coupled with electrokinetics for the in situ electrobioremediation of 2,4-dichlorophenoxyacetic acid polluted soil. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 2684-2692	3.5	10
393	Removal of methylene blue from aqueous solutions using an Fe ²⁺ catalyst and in-situ H ₂ O ₂ generated at gas diffusion cathodes. <i>Electrochimica Acta</i> , 2019 , 308, 45-53	6.7	18
392	Powering with Solar Energy the Anodic Oxidation of Wastewater Polluted with Pesticides. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8303-8309	8.3	16
391	Effects of ultrasound irradiation on the electrochemical treatment of wastes containing micelles. <i>Applied Catalysis B: Environmental</i> , 2019 , 248, 108-114	21.8	13
390	The Role of Mediated Oxidation on the Electro-irradiated Treatment of Amoxicillin and Ampicillin Polluted Wastewater. <i>Catalysts</i> , 2019 , 9, 9	4	11
389	Electrolysis with diamond anodes of the effluents of a combined soil washing - ZVI dechlorination process. <i>Journal of Hazardous Materials</i> , 2019 , 369, 577-583	12.8	7
388	Operating the CabECO \square membrane electrolytic technology in continuous mode for the direct disinfection of highly fecal-polluted water. <i>Separation and Purification Technology</i> , 2019 , 208, 110-115	8.3	22
387	Anodic oxidation for the remediation of soils polluted with perchloroethylene. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 288-294	3.5	9

386	Development of a novel electrochemical coagulant dosing unit for water treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 216-221	3.5	4
385	Electro-irradiated technologies for clopyralid removal from soil washing effluents. <i>Separation and Purification Technology</i> , 2019 , 227, 115728	8.3	11
384	Combined electrochemical processes for the efficient degradation of non-polar organochlorine pesticides. <i>Journal of Environmental Management</i> , 2019 , 248, 109289	7.9	15
383	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
382	Can the substrate of the diamond anodes influence on the performance of the electrosynthesis of oxidants?. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 850, 113416	4.1	9
381	Dehalogenation of 2,4-Dichlorophenoxyacetic acid by means of bioelectrochemical systems. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 854, 113564	4.1	8
380	A comparison of the electrolysis of soil washing wastes with active and non-active electrodes. <i>Chemosphere</i> , 2019 , 225, 19-26	8.4	10
379	Effects of coupling hybrid processes on the treatment of wastewater containing a commercial mixture of diuron and hexazinone herbicides. <i>Electrochimica Acta</i> , 2019 , 328, 135013	6.7	15
378	The Role of the Anode Material in Selective Penicillin G Oxidation in Urine. <i>ChemElectroChem</i> , 2019 , 6, 1376-1384	4.3	23
377	Reproducibility and robustness of microbial fuel cells technology. <i>Journal of Power Sources</i> , 2019 , 412, 640-647	8.9	10
376	Electrochemical production of perchlorate as an alternative for the valorization of brines. <i>Chemosphere</i> , 2019 , 220, 637-643	8.4	8
375	Assessing the impact of design factors on the performance of two miniature microbial fuel cells. <i>Electrochimica Acta</i> , 2019 , 297, 297-306	6.7	12
374	Calcite buffer effects in electrokinetic remediation of clopyralid-polluted soils. <i>Separation and Purification Technology</i> , 2019 , 212, 376-387	8.3	17
373	A new electrochemically-based process for the removal of perchloroethylene from gaseous effluents. <i>Chemical Engineering Journal</i> , 2019 , 361, 609-614	14.7	14
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