

# Carlos Alberto Martinez-Huitle

## List of Publications by Year in descending order

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258  
papers

16,915  
citations

28274

55  
h-index

16650

123  
g-index

274  
all docs

274  
docs citations

274  
times ranked

9971  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in electro-Fenton process and its emerging applications. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 887-913.	12.8	57
2	Achieving Electrochemical-Sustainable-Based Solutions for Monitoring and Treating Hydroxychloroquine in Real Water Matrix. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 699.	2.5	5
3	Opportunities and challenges of thin-film boron-doped diamond electrochemistry for valuable resources recovery from waste: Organic, inorganic, and volatile product. <i>Electrosynthesis. Current Opinion in Electrochemistry</i> , 2022, 32, 100903.	4.8	12
4	An overview of chelate modified electro-Fenton processes. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107183.	6.7	14
5	The versatile behavior of diamond electrodes – Electrochemical examination of the anti-psychotic drug olanzapine (OL) oxidation as a model organic aqueous solution. <i>Electrochimica Acta</i> , 2022, , 140063.	5.2	6
6	An Electroanalytical Solution for the Determination of Pb <sup>2+</sup> in Progressive Hair Dyes Using the Cork – Graphite Sensor. <i>Sensors</i> , 2022, 22, 1466.	3.8	4
7	Towards Use of Persulfate Electrogenerated at Boron Doped Diamond Electrodes as Ex-Situ Oxidation Approach: Storage and Service-Life Solution Parameters. <i>Journal of the Electrochemical Society</i> , 2022, 169, 033506.	2.9	10
8	Electrochemical oxidation for treating effluents from cashew nut processing using batch reactors. <i>Journal of Electroanalytical Chemistry</i> , 2022, 911, 116224.	3.8	2
9	The role of saline-related species in the electrochemical treatment of produced water using Ti/IrO <sub>2</sub> -Ta <sub>2</sub> O <sub>5</sub> anode. <i>Journal of Electroanalytical Chemistry</i> , 2022, 910, 116163.	3.8	9
10	Cork-based permeable reactive barriers coupled to electrokinetic processes for interrupting pollutants reaching groundwater: a case study of lead-contaminated soil. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 2861-2870.	3.2	4
11	Conductive-synthetic diamond materials in meeting the sustainable development goals. <i>Current Opinion in Solid State and Materials Science</i> , 2022, 26, 101019.	11.5	4
12	Application of electro-Fenton and photoelectro-Fenton processes for the degradation of contaminants in landfill leachate. <i>Environmental Research</i> , 2022, 213, 113552.	7.5	10
13	Metal Organic Framework-235 (MOF-235) Modified Carbon Paste Electrode for Catechol Determination in Water. <i>Electroanalysis</i> , 2021, 33, 57-65.	2.9	14
14	Removal of herbicide 1-chloro-2,4-dinitrobenzene (DNCB) from aqueous solutions by electrochemical oxidation using boron-doped diamond (BDD) and PbO <sub>2</sub> electrodes. <i>Journal of Hazardous Materials</i> , 2021, 402, 123850.	12.4	31
15	Photoelectro-Fenton treatment of pesticide triclopyr at neutral pH using Fe(III)-EDDS under UVA light or sunlight. <i>Environmental Science and Pollution Research</i> , 2021, 28, 23833-23848.	5.3	9
16	Design of highly efficient porous carbon foam cathode for electro-Fenton degradation of antimicrobial sulfanilamide. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119652.	20.2	78
17	Coupling of Anodic Oxidation and Soil Remediation Processes. <i>Environmental Pollution</i> , 2021, , 199-219.	0.4	1
18	Promoting the formation of Co (III) electrocatalyst with diamond anodes. <i>Journal of Electroanalytical Chemistry</i> , 2021, 882, 115007.	3.8	6

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19	Understanding the electro-catalytic effect of benzene ring substitution on the electrochemical oxidation of aniline and its derivatives using BDD anode: Cyclic voltammetry, bulk electrolysis and theoretical calculations. <i>Electrochimica Acta</i> , 2021, 369, 137688.	5.2	12
20	Environment-Friendly Electrochemical Processes. <i>Materials</i> , 2021, 14, 1548.	2.9	6
21	Electrochemical Determination of Lead Using A Composite Sensor Obtained from Low-Cost Green Materials: Graphite/Cork. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2355.	2.5	15
22	Advanced oxidation/reduction technologies: a perspective from Iberoamerican countries. <i>Environmental Science and Pollution Research</i> , 2021, 28, 23565-23567.	5.3	1
23	Electrochemical oxidation of 2-chloroaniline in single and divided electrochemical flow cells using boron doped diamond anodes. <i>Separation and Purification Technology</i> , 2021, 263, 118399.	7.9	12
24	Long-chain phenols oxidation using a flow electrochemical reactor assembled with a TiO <sub>2</sub> -RuO <sub>2</sub> -IrO <sub>2</sub> DSA electrode. <i>Separation and Purification Technology</i> , 2021, 264, 118425.	7.9	22
25	Electrochemical advanced oxidation processes for wastewater treatment: Advances in formation and detection of reactive species and mechanisms. <i>Current Opinion in Electrochemistry</i> , 2021, 27, 100678.	4.8	153
26	Photocatalytic degradation of Novacron blue and Novacron yellow textile dyes by the TiO <sub>2</sub> /palygorskite nanocomposite. <i>Environmental Science and Pollution Research</i> , 2021, 28, 64440-64460.	5.3	8
27	Continuous electro-scrubbers for the removal of perchloroethylene: Keys for selection. <i>Journal of Electroanalytical Chemistry</i> , 2021, 892, 115267.	3.8	3
28	Electroscrubbers for removing volatile organic compounds and odorous substances from polluted gaseous streams. <i>Current Opinion in Electrochemistry</i> , 2021, 28, 100718.	4.8	4
29	Green Composite Sensor for Monitoring Hydroxychloroquine in Different Water Matrix. <i>Materials</i> , 2021, 14, 4990.	2.9	17
30	Treatment of toluene gaseous streams using packed column electro-scrubbers and cobalt mediators. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115500.	3.8	5
31	Persulfate-soil washing: The green use of persulfate electrochemically generated with diamond electrodes for depolluting soils. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115498.	3.8	18
32	Treatment of real wastewater by photoelectrochemical methods: An overview. <i>Chemosphere</i> , 2021, 276, 130188.	8.2	84
33	A critical review over the electrochemical disinfection of bacteria in synthetic and real wastewaters using a boron-doped diamond anode. <i>Current Opinion in Solid State and Materials Science</i> , 2021, 25, 100926.	11.5	76
34	Electro catalytic generation of reactive species at diamond electrodes and applications in microbial inactivation. <i>Current Opinion in Electrochemistry</i> , 2021, 30, 100849.	4.8	8
35	Cobalt mediated electro-scrubbers for the degradation of gaseous perchloroethylene. <i>Chemosphere</i> , 2021, 279, 130525.	8.2	4
36	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.	6.7	6

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37	Electrochemical oxidation technology to treat textile wastewaters. <i>Current Opinion in Electrochemistry</i> , 2021, 29, 100806.	4.8	46
38	Removal of antibiotic rifampicin from aqueous media by advanced electrochemical oxidation: Role of electrode materials, electrolytes and real water matrices. <i>Electrochimica Acta</i> , 2021, 396, 139254.	5.2	41
39	Theoretical studies of dimers and properties of the corrosion inhibitor profile for semicarbazones and thiosemicarbazones. <i>Journal of Molecular Liquids</i> , 2021, 343, 117660.	4.9	6
40	Modelling electro-scrubbers for removal of VOCs. <i>Separation and Purification Technology</i> , 2021, 277, 119419.	7.9	2
41	Applicability of Cork as Novel Modifiers to Develop Electrochemical Sensor for Caffeine Determination. <i>Materials</i> , 2021, 14, 37.	2.9	16
42	Integrated-electrochemical Approaches Powered by Photovoltaic Energy for Detecting and Treating Hydroxychloroquine in Water. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1529-1529.	0.0	0
43	The Green Use of Persulfate Electrochemically Generated with Diamond Electrodes for Depolluting Soils. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1530-1530.	0.0	2
44	Editorial overview: Electrochemical technologies for wastewater treatment with a bright future in the forthcoming years to benefit of our society. <i>Current Opinion in Electrochemistry</i> , 2021, 30, 100905.	4.8	4
45	Vermiculite as heterogeneous catalyst in electrochemical Fenton-based processes: Application to the oxidation of Ponceau SS dye. <i>Chemosphere</i> , 2020, 240, 124838.	8.2	50
46	Fe/SBA-15: Characterization and its application to a heterogeneous solar photo-Fenton process in order to decolorize and mineralize an azo dye. <i>Materials Letters: X</i> , 2020, 5, 100034.	0.7	4
47	A Boron-Doped Diamond Anode for the Electrochemical Removal of Parabens in Low-Conductive Solution: From a Conventional Flow Cell to a Solid Polymer Electrolyte System. <i>ChemElectroChem</i> , 2020, 7, 314-319.	3.4	9
48	Coupling of Anodic Oxidation and Soil Remediation Processes: A Review. <i>Materials</i> , 2020, 13, 4309.	2.9	15
49	Electro- and photo-electrooxidation of 2,4,5-trichlorophenoxyacetic acid (2,4,5-T) in aqueous media with PbO <sub>2</sub> , Sb-doped SnO <sub>2</sub> , BDD and TiO <sub>2</sub> -NTs anodes: A comparative study. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114438.	3.8	15
50	Applicability of Electrochemical Technology for Treating a Real Petrochemical Effluent by Electro-generated Active Chlorine Species. <i>International Journal of Electrochemical Science</i> , 2020, , 10262-10275.	1.3	5
51	Metal-organic Framework-Modified Carbon Paste Electrode for Determining Lead in Aqueous Solutions. <i>International Journal of Electrochemical Science</i> , 2020, 15, 10081-10092.	1.3	5
52	Cathodic hydrogen production by simultaneous oxidation of methyl red and 2,4-dichlorophenoxyacetate in aqueous solutions using PbO <sub>2</sub> , Sb-doped SnO <sub>2</sub> and Si/BDD anodes. Part 2: hydrogen production. <i>RSC Advances</i> , 2020, 10, 37947-37955.	3.6	12
53	Evaluation of the toxicity reduction of an ionic liquid solution electrochemically treated using BDD films with different sp <sup>3</sup> /sp <sup>2</sup> ratios. <i>Electrochemistry Communications</i> , 2020, 118, 106792.	4.7	17
54	The use of renewable energies driving electrochemical technologies for environmental applications. <i>Current Opinion in Electrochemistry</i> , 2020, 22, 211-220.	4.8	101

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55	Integrated-electrochemical approaches powered by photovoltaic energy for detecting and treating paracetamol in water. <i>Journal of Electroanalytical Chemistry</i> , 2020, 876, 114734.	3.8	18
56	Development of a functional stack of soil microbial fuel cells to power a water treatment reactor: From the lab to field trials in North East Brazil. <i>Applied Energy</i> , 2020, 278, 115680.	10.1	36
57	Understanding the electrochemical oxidation of dyes on platinum and boron-doped diamond electrode surfaces: experimental and computational study. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 3245-3256.	2.5	16
58	Cathodic hydrogen production by simultaneous oxidation of methyl red and 2,4-dichlorophenoxyacetate aqueous solutions using Pb/PbO <sub>2</sub> , Ti/Sb-doped SnO <sub>2</sub> and Si/BDD anodes. Part 1: electrochemical oxidation. <i>RSC Advances</i> , 2020, 10, 37695-37706.	3.6	14
59	Real time monitoring of in situ generated hydrogen peroxide in electrochemical advanced oxidation reactors using an integrated Pt microelectrode. <i>Talanta</i> , 2020, 218, 121133.	5.5	6
60	Simultaneous determination of paracetamol and caffeine in pharmaceutical formulations and synthetic urine using cork-modified graphite electrodes. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1789-1800.	2.5	17
61	Obtaining high-added value products from the technical cashew-nut shell liquid using electrochemical oxidation with BDD anodes. <i>Separation and Purification Technology</i> , 2020, 250, 117099.	7.9	20
62	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.	20.2	196
63	Investigation of persulfate production on BDD anode by understanding the impact of water concentration. <i>Journal of Electroanalytical Chemistry</i> , 2020, 860, 113927.	3.8	53
64	Clopyralid degradation by AOPs enhanced with zero valent iron. <i>Journal of Hazardous Materials</i> , 2020, 392, 122282.	12.4	19
65	Electro-Fenton catalyzed by Fe-rich lateritic soil for the treatment of food colorant Bordeaux Red (E123): Catalyst characterization, optimization of operating conditions and mechanism of oxidation. <i>Separation and Purification Technology</i> , 2020, 242, 116776.	7.9	21
66	Theoretical and experimental study of the influence of cationic Eriochrome complexes on the BDD anodic oxidation of Eriochrome Black T solutions. <i>Electrochemistry Communications</i> , 2020, 112, 106668.	4.7	13
67	Improving biotreatability of hazardous effluents combining ZVI, electrolysis and photolysis. <i>Science of the Total Environment</i> , 2020, 713, 136647.	8.0	9
68	Electrokinetic-Fenton for the remediation low hydraulic conductivity soil contaminated with petroleum. <i>Chemosphere</i> , 2020, 248, 126029.	8.2	41
69	The synergic persulfate-sodium dodecyl sulfate effect during the electro-oxidation of caffeine using active and non-active anodes. <i>Chemosphere</i> , 2020, 253, 126599.	8.2	39
70	ELECTROCHEMICAL INCINERATION OF SHORT-CHAIN CARBOXYLIC ACIDS WITH NB-SUPPORTED BORON DOPED DIAMOND ANODE: SUPPORTING ELECTROLYTE EFFECT INTO THE ELECTROGENERATED OXIDANT SPECIES (HYDROXYL RADICALS, HYDROGEN PEROXIDE AND PERSULFATE). <i>Quimica Nova</i> , 2020, , .	0.3	1
71	Electrochemical Degradation of a Commercial Formulation of the Insecticide Pyriproxyfen Using Boron-Doped Diamond Anode. <i>Journal of the Electrochemical Society</i> , 2020, 167, 146510.	2.9	4
72	Electrochemical treatment of real petrochemical effluent: current density effect and toxicological tests. <i>Water Science and Technology</i> , 2020, 82, 2304-2315.	2.5	7

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73	Trends in Synthetic Diamond for Electrochemical Applications. ChemElectroChem, 2019, 6, 4330-4331.	3.4	2
74	Iron mining wastes collected from Mariana disaster: Reuse and application as catalyst in a heterogeneous electro-Fenton process. Journal of Electroanalytical Chemistry, 2019, 848, 113330.	3.8	19
75	A ceramic electrode of ZrO <sub>2</sub> -Y <sub>2</sub> O <sub>3</sub> for the generation of oxidant species in anodic oxidation. Assessment of the treatment of Acid Blue 29 dye in sulfate and chloride media. Separation and Purification Technology, 2019, 228, 115747.	7.9	38
76	<i>Hibiscus sabdariffa</i> L. Anthocyanins Immobilization on TiO <sub>2</sub> Nanotubes and Its Electrochemical Characterization as a Hydrogen Peroxide Sensing Electrode. Journal of the Electrochemical Society, 2019, 166, B1506-B1512.	2.9	8
77	BDD-Electrolysis of Oxalic Acid in Diluted Acidic Solutions. Journal of the Brazilian Chemical Society, 2019, , .	0.6	1
78	Solar photovoltaic-battery system as a green energy for driven electrochemical wastewater treatment technologies: Application to elimination of Brilliant Blue FCF dye solution. Journal of Environmental Chemical Engineering, 2019, 7, 102924.	6.7	31
79	Electrochemical Technologies for Detecting and Degrading Benzoquinone Using Diamond Films. ChemElectroChem, 2019, 6, 4383-4390.	3.4	24
80	Electrochemical advanced oxidation processes coupled with peroxymonosulfate for the treatment of real washing machine effluent: A comparative study. Journal of Electroanalytical Chemistry, 2019, 847, 113182.	3.8	77
81	Synthesis of Highly Functionalized N , N -Diarylamides by an Anodic C, N -Coupling Reaction. Chemistry - A European Journal, 2019, 25, 7835-7838.	3.3	13
82	Novel cork-graphite electrochemical sensor for voltammetric determination of caffeine. Journal of Electroanalytical Chemistry, 2019, 839, 283-289.	3.8	31
83	Effect of anodic materials on solar photoelectro-Fenton process using a diazo dye as a model contaminant. Chemosphere, 2019, 225, 880-889.	8.2	48
84	Nature, Mechanisms and Reactivity of Electrogenerated Reactive Species at Thin-Film Boron-Doped Diamond (BDD) Electrodes During Electrochemical Wastewater Treatment. ChemElectroChem, 2019, 6, 2379-2392.	3.4	113
85	Diamond Films as Support for Electrochemical Systems for Energy Conversion and Storage. Topics in Applied Physics, 2019, , 199-222.	0.8	0
86	Trends of Organic Electrosynthesis by Using Boron-Doped Diamond Electrodes. Topics in Applied Physics, 2019, , 173-197.	0.8	9
87	Combination of Photoelectrocatalysis and Ozonation as a Good Strategy for Organics Oxidation and Decreased Toxicity in Oil-Produced Water. Journal of the Electrochemical Society, 2019, 166, H3231-H3238.	2.9	23
88	Electrolysis with diamond anodes of the effluents of a combined soil washing "ZVI dechlorination process. Journal of Hazardous Materials, 2019, 369, 577-583.	12.4	9
89	Niobium Oxide Catalysts as Emerging Material for Textile Wastewater Reuse: Photocatalytic Decolorization of Azo Dyes. Catalysts, 2019, 9, 1070.	3.5	33
90	A sequential process to treat a cashew-nut effluent: Electrocoagulation plus electrochemical oxidation. Journal of Electroanalytical Chemistry, 2019, 834, 79-85.	3.8	15

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91	Application of TiO <sub>2</sub> -nanotubes/PbO <sub>2</sub> as an anode for the electrochemical elimination of Acid Red 1 dye. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 351-360.	2.5	31
92	Calcite buffer effects in electrokinetic remediation of clopyralid-polluted soils. <i>Separation and Purification Technology</i> , 2019, 212, 376-387.	7.9	30
93	Intensification of petroleum elimination in the presence of a surfactant using anodic electrochemical treatment with BDD anode. <i>Journal of Electroanalytical Chemistry</i> , 2019, 832, 453-458.	3.8	32
94	Integrating ZVI-dehalogenation into an electrolytic soil-washing cell. <i>Separation and Purification Technology</i> , 2019, 211, 28-34.	7.9	11
95	Coupling electrokinetic remediation with phytoremediation for depolluting soil with petroleum and the use of electrochemical technologies for treating the effluent generated. <i>Separation and Purification Technology</i> , 2019, 208, 194-200.	7.9	47
96	Titanium oxide supported on montmorillonite clays for environmental applications. <i>Journal of the Mexican Chemical Society</i> , 2019, 63, .	0.6	2
97	Evidence for the electrochemical production of persulfate at TiO <sub>2</sub> nanotubes decorated with PbO <sub>2</sub> . <i>New Journal of Chemistry</i> , 2018, 42, 5523-5531.	2.8	35
98	Coupling Photo and Sono Technologies with BDD Anodic Oxidation for Treating Soil-Washing Effluent Polluted with Atrazine. <i>Journal of the Electrochemical Society</i> , 2018, 165, E262-E267.	2.9	18
99	Heterogeneous electro-Fenton and photoelectro-Fenton processes: A critical review of fundamental principles and application for water/wastewater treatment. <i>Applied Catalysis B: Environmental</i> , 2018, 235, 103-129.	20.2	631
100	Electrochemical Oxidation of Acid Violet 7 Dye by Using Si/BDD and Nb/BDD Electrodes. <i>Journal of the Electrochemical Society</i> , 2018, 165, E250-E255.	2.9	30
101	Use of Pt and Boron-Doped Diamond Anodes in the Electrochemical Advanced Oxidation of Ponceau SS Diazo Dye in Acidic Sulfate Medium. <i>ChemElectroChem</i> , 2018, 5, 685-693.	3.4	40
102	Electrochemical technology for the treatment of real washing machine effluent at pre-pilot plant scale by using active and non-active anodes. <i>Journal of Electroanalytical Chemistry</i> , 2018, 818, 216-222.	3.8	75
103	Treatment of an azo dye effluent by peroxi-coagulation and its comparison to traditional electrochemical advanced processes. <i>Chemosphere</i> , 2018, 204, 548-555.	8.2	69
104	Performance of (in)active anodic materials for the electrooxidation of phenolic wastewaters from cashew-nut processing industry. <i>Chemosphere</i> , 2018, 201, 740-748.	8.2	32
105	Sulfate pollution: evidence for electrochemical production of persulfate by oxidizing sulfate released by the surfactant sodium dodecyl sulfate. <i>Environmental Chemistry Letters</i> , 2018, 16, 647-652.	16.2	37
106	Electrochemical measurements and theoretical studies for understanding the behavior of catechol, resorcinol and hydroquinone on the boron doped diamond surface. <i>RSC Advances</i> , 2018, 8, 3483-3492.	3.6	51
107	Electrochemical advanced oxidation processes as decentralized water treatment technologies to remediate domestic washing machine effluents. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7002-7011.	5.3	37
108	Electrochemical degradation of industrial textile dye disperse yellow 3: Role of electrocatalytic material and experimental conditions on the catalytic production of oxidants and oxidation pathway. <i>Chemosphere</i> , 2018, 198, 21-29.	8.2	66

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109	Applicability of electrochemical technologies for removing and monitoring Pb <sup>2+</sup> from soil and water. Journal of Electroanalytical Chemistry, 2018, 816, 171-178.	3.8	32
110	XXI Brazilian Symposium of Electrochemistry and Electroanalysis (XXI SIBEE – Simpósio Brasileiro de Eletroquímica e Eletroanálise). Journal of Electrochemistry, 2018, 22, 1275-1276.	2.5	1
111	Evaluation of treatment of effluents contaminated with rifampicin by Fenton, electrochemical and associated processes. Journal of Water Process Engineering, 2018, 22, 250-257.	5.6	46
112	Treatment of landfill leachate by a combined process: Iron electrodisolution, iron oxidation by H <sub>2</sub> O <sub>2</sub> and chemical flocculation. Sustainable Environment Research, 2018, 28, 12-19.	4.2	15
113	Electrochemical treatment of Produced Water using Ti/Pt and BDD anode. International Journal of Electrochemical Science, 2018, 13, 7894-7906.	1.3	12
114	Towards Sustainability: Photochemical and Electrochemical Processes Applied for Environmental Protection. International Journal of Photoenergy, 2018, 2018, 1-3.	2.5	0
115	Electrocoagulación de soluciones de índigo carmín empleando ánodos de magnesio y de aleación AZ31. DYNA (Colombia), 2018, 85, 258-267.	0.4	2
116	Electrochemical degradation of Azo-dye Acid Violet 7 using BDD anode: effect of flow reactor configuration on cell hydrodynamics and dye removal efficiency. Journal of Applied Electrochemistry, 2018, 48, 1321-1330.	2.9	32
117	Cashew-Nut Effluent: An Anodic Oxidation Treatment Using a Batch Recirculation Reactor with BDD Anode. Journal of the Electrochemical Society, 2018, 165, E659-E664.	2.9	6
118	Applicability of activated carbon obtained from peach stone as an electrochemical sensor for detecting caffeine. Journal of Electroanalytical Chemistry, 2018, 822, 171-176.	3.8	26
119	Improving the catalytic effect of peroxydisulfate and peroxydiphosphate electrochemically generated at diamond electrode by activation with light irradiation. Chemosphere, 2018, 207, 774-780.	8.2	21
120	Total mineralization of mixtures of Tartrazine, Ponceau SS and Direct Blue 71 azo dyes by solar photoelectro-Fenton in pre-pilot plant. Chemosphere, 2018, 210, 1137-1144.	8.2	54
121	Electrochemical oxidation of organic pollutants for wastewater treatment. Current Opinion in Electrochemistry, 2018, 11, 62-71.	4.8	556
122	Electrochemical advanced oxidation processes (EAOPs) as alternative treatment techniques for carwash wastewater reclamation. Chemosphere, 2018, 211, 998-1006.	8.2	78
123	Coupled Electrochemical Processes for Removing Dye from Soil and Water. Journal of the Electrochemical Society, 2018, 165, E318-E324.	2.9	12
124	Electrocatalysis in Wastewater Treatment. , 2018, , 119-131.		11
125	Indirect Electrochemical Oxidation by Using Ozone, Hydrogen Peroxide, and Ferrate. , 2018, , 165-192.		8
126	UV assisted electrochemical technologies for the removal of oxyfluorfen from soil washing wastes. Chemical Engineering Journal, 2017, 318, 2-9.	12.7	34



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127	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.	12.7	61
128	Treating soil-washing fluids polluted with oxyfluorfen by sono-electrolysis with diamond anodes. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 115-122.	8.2	40
129	Electrochemical abatement of amaranth dye solutions using individual or an assembling of flow cells with Ti/Pt and Ti/Pt-SnSb anodes. <i>Separation and Purification Technology</i> , 2017, 179, 194-203.	7.9	34
130	Ternary dimensionally stable anodes composed of RuO <sub>2</sub> and IrO <sub>2</sub> with CeO <sub>2</sub> , SnO <sub>2</sub> , or Sb <sub>2</sub> O <sub>3</sub> for efficient naphthalene and benzene electrochemical removal. <i>Journal of Applied Electrochemistry</i> , 2017, 47, 547-561.	2.9	17
131	Solar photocatalytic application of NbO <sub>2</sub> ·OH as alternative photocatalyst for water treatment. <i>Science of the Total Environment</i> , 2017, 596-597, 79-86.	8.0	37
132	Electrochemical study of carboxylic acids with Nb-supported boron doped diamond anode. Part 2: Electrochemical oxidation associated to DFT calculations. <i>Journal of Electroanalytical Chemistry</i> , 2017, 794, 93-102.	3.8	26
133	Electrochemical study of carboxylic acids with Nb-supported boron doped diamond anode. Part 1: Potentiodynamic measurements and bulk oxidations. <i>Journal of Electroanalytical Chemistry</i> , 2017, 794, 204-211.	3.8	26
134	Functional group influences on the reactive azo dye decolorization performance by electrochemical oxidation and electro-Fenton technologies. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24167-24176.	5.3	15
135	Electrocatalytic Behavior of Mediators during Anodic Oxidation of Tartaric Acid at Platinum Electrodes. <i>Journal of the Electrochemical Society</i> , 2017, 164, E375-E378.	2.9	5
136	Electrocoagulation and advanced electrocoagulation processes: A general review about the fundamentals, emerging applications and its association with other technologies. <i>Journal of Electroanalytical Chemistry</i> , 2017, 801, 267-299.	3.8	468
137	Enhanced Degradation of the Industrial Textile Dye Disperse Red BG by Electrochemical Process with Different Anodes. <i>Journal of the Electrochemical Society</i> , 2017, 164, E440-E447.	2.9	13
138	Anodic Oxidation of the Insecticide Imidacloprid on Mixed Metal Oxide (RuO <sub>2</sub> -TiO <sub>2</sub> and IrO <sub>2</sub> -RuO <sub>2</sub> -TiO <sub>2</sub> ) Anodes. <i>Journal of the Electrochemical Society</i> , 2017, 164, E489-E495.	2.9	22
139	Understanding the behavior of caffeine on a boron-doped diamond surface: voltammetric, DFT, QTAIM and ELF studies. <i>New Journal of Chemistry</i> , 2017, 41, 7766-7774.	2.8	18
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