Carlos Alberto Martinez-Huitle

List of Publications by Year
in descending order

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	Decontamination of wastewaters containing synthetic organic dyes by electrochemical methods: A general review. Applied Catalysis B: Environmental, 2009, 87, 105-145.	20.2	1,863
2	Decontamination of wastewaters containing synthetic organic dyes by electrochemical methods. An updated review. Applied Catalysis B: Environmental, 2015, 166-167, 603-643.	20.2	1,687
3	Electrochemical oxidation of organic pollutants for the wastewater treatment: direct and indirect processes. Chemical Society Reviews, 2006, 35, 1324-1340.	38.1	1,476
4	Single and Coupled Electrochemical Processes and Reactors for the Abatement of Organic Water Pollutants: A Critical Review. Chemical Reviews, 2015, 115, 13362-13407.	47.7	1,273
5	Heterogeneous electro-Fenton and photoelectro-Fenton processes: A critical review of fundamental principles and application for water/wastewater treatment. Applied Catalysis B: Environmental, 2018, 235, 103-129.	20.2	631
6	Electrochemical oxidation of organic pollutants for wastewater treatment. Current Opinion in Electrochemistry, 2018, 11, 62-71.	4.8	556
7	Electrocoagulation and advanced electrocoagulation processes: A general review about the fundamentals, emerging applications and its association with other technologies. Journal of Electroanalytical Chemistry, 2017, 801, 267-299.	3.8	468
8	Electrochemical Alternatives for Drinking Water Disinfection. Angewandte Chemie - International Edition, 2008, 47, 1998-2005.	13.8	318
9	Experimental and theoretical evaluation of semicarbazones and thiosemicarbazones as organic corrosion inhibitors. Corrosion Science, 2013, 67, 281-291.	6.6	228
10	Role of sp3/sp2 ratio on the electrocatalytic properties of boron-doped diamond electrodes: A mini review. Electrochemistry Communications, 2015, 59, 52-55.	4.7	226
11	Electrochemical incineration of chloranilic acid using Ti/IrO2, Pb/PbO2 and Si/BDD electrodes. Electrochimica Acta, 2004, 50, 949-956.	5.2	203
12	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
13	Electrochemical incineration of oxalic acid. Electrochimica Acta, 2004, 49, 4027-4034.	5.2	163
14	Electrochemical advanced oxidation processes for wastewater treatment: Advances in formation and detection of reactive species and mechanisms. Current Opinion in Electrochemistry, 2021, 27, 100678.	4.8	153
15	Electrochemical treatment of synthetic wastewaters containing Alphazurine A dye. Chemical Engineering Journal, 2009, 149, 348-352.	12.7	142
16	Role of electrode materials for the anodic oxidation of a real landfill leachate â€“ Comparison between Tiâ€“Ruâ€“Sn ternary oxide, PbO2 and boron-doped diamond anode. Chemosphere, 2013, 90, 1455-1460.	8.2	139
17	Removal of the Pesticide Methamidophos from Aqueous Solutions by Electrooxidation using Pb/PbO₂, Ti/SnO₂, and Si/BDD Electrodes. Environmental Science & Technology, 2008, 42, 6929-6935.	10.0	136
18	Decontamination of real textile industrial effluent by strong oxidant species electrogenerated on diamond electrode: Viability and disadvantages of this electrochemical technology. Applied Catalysis B: Environmental, 2013, 130-131, 112-120.	20.2	135

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19	Boron doped diamond electrode for the wastewater treatment. Journal of the Brazilian Chemical Society, 2006, 17, 227-236.	0.6	134
20	Degradation of the azo dye Acid Red 1 by anodic oxidation and indirect electrochemical processes based on Fenton's reaction chemistry. Relationship between decolorization, mineralization and products. Electrochimica Acta, 2014, 142, 276-288.	5.2	133
21	Electrocatalytic oxidation of p-nitrophenol from aqueous solutions at Pb/PbO2 anodes. Applied Catalysis B: Environmental, 2005, 59, 259-266.	20.2	122
22	Applicability of diamond electrode/anode to the electrochemical treatment of a real textile effluent. Journal of Electroanalytical Chemistry, 2012, 674, 103-107.	3.8	116
23	Nature, Mechanisms and Reactivity of Electrogenerated Reactive Species at Thinâ€Film Boronâ€Doped Diamond (BDD) Electrodes During Electrochemical Wastewater Treatment. ChemElectroChem, 2019, 6, 2379-2392.	3.4	113
24	Degradation of acidic aqueous solutions of the diazo dye Congo Red by photo-assisted electrochemical processes based on Fentonâ€™s reaction chemistry. Applied Catalysis B: Environmental, 2015, 168-169, 559-571.	20.2	102
25	The use of renewable energies driving electrochemical technologies for environmental applications. Current Opinion in Electrochemistry, 2020, 22, 211-220.	4.8	101
26	Electrochemical treatment of fresh, brine and saline produced water generated by petrochemical industry using Ti/IrO2â€“Ta2O5 and BDD in flow reactor. Chemical Engineering Journal, 2013, 233, 47-55.	12.7	100
27	Electrocatalysis in wastewater treatment: recent mechanism advances. Quimica Nova, 2011, 34, 850-858.	0.3	99
28	Electrochemical oxidation of Methyl Red using Ti/Ru0.3Ti0.7O2 and Ti/Pt anodes. Chemical Engineering Journal, 2012, 204-206, 141-150.	12.7	98
29	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
30	Application of electrochemical oxidation as alternative treatment of produced water generated by Brazilian petrochemical industry. Fuel Processing Technology, 2012, 96, 80-87.	7.2	94
31	Understanding active chlorine species production using boron doped diamond films with lower and higher sp3/sp2 ratio. Electrochemistry Communications, 2015, 55, 34-38.	4.7	93
32	Application of electrochemical technology for removing petroleum hydrocarbons from produced water using a DSA-type anode at different flow rates. Fuel, 2010, 89, 531-534.	6.4	91
33	Active chlorine species electrogenerated on Ti/Ru0.3Ti0.7O2 surface: Electrochemical behavior, concentration determination and their application. Journal of Electroanalytical Chemistry, 2014, 731, 145-152.	3.8	89
34	Electrochemical degradation of Novacron Yellow C-RG using boron-doped diamond and platinum anodes: Direct and Indirect oxidation. Electrochimica Acta, 2014, 140, 419-426.	5.2	85
35	Electrocatalytic properties of Ti-supported Pt for decolorizing and removing dye from synthetic textile wastewaters. Chemical Engineering Journal, 2011, 168, 208-214.	12.7	84
36	Treatment of real wastewater by photoelectrochemical methods: An overview. Chemosphere, 2021, 276, 130188.	8.2	84

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37	Electrochemical advanced oxidation processes (EAOPs) as alternative treatment techniques for carwash wastewater reclamation. Chemosphere, 2018, 211, 998-1006.	8.2	78
38	Design of highly efficient porous carbon foam cathode for electro-Fenton degradation of antimicrobial sulfanilamide. Applied Catalysis B: Environmental, 2021, 283, 119652.	20.2	78
39	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
40	A critical review over the electrochemical disinfection of bacteria in synthetic and real wastewaters using a boron-doped diamond anode. Current Opinion in Solid State and Materials Science, 2021, 25, 100926.	11.5	76
41	Combined soil washing and CDEO for the removal of atrazine from soils. Journal of Hazardous Materials, 2015, 300, 129-134.	12.4	75
42	Electrochemical technology for the treatment of real washing machine effluent at pre-pilot plant scale by using active and non-active anodes. Journal of Electroanalytical Chemistry, 2018, 818, 216-222.	3.8	75
43	Degradation of 1-hydroxy-2,4-dinitrobenzene from aqueous solutions by electrochemical oxidation: Role of anodic material. Journal of Hazardous Materials, 2014, 268, 6-13.	12.4	70
44	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
45	Treatment of an azo dye effluent by peroxi-coagulation and its comparison to traditional electrochemical advanced processes. Chemosphere, 2018, 204, 548-555.	8.2	69
46	Electrochemical Incineration in the Presence of Halides. Electrochemical and Solid-State Letters, 2005, 8, D35.	2.2	66
47	Fabrication and application of NafionÂ®-modified boron-doped diamond electrode as sensor for detecting caffeine. Diamond and Related Materials, 2010, 19, 1188-1193.	3.9	66
48	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. Chemosphere, 2018, 198, 21-29.	8.2	66
49	Scale-up of electrochemical oxidation system for treatment of produced water generated by Brazilian petrochemical industry. Environmental Science and Pollution Research, 2014, 21, 8466-8475.	5.3	65
50	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
51	Influence of the water hardness on the performance of electro-Fenton approach: Decolorization and mineralization of Eriochrome Black T. Electrochimica Acta, 2016, 208, 156-163.	5.2	64
52	Electroxidation of oxalic acid at different electrode materials. Journal of Applied Electrochemistry, 2010, 40, 1779-1787.	2.9	62
53	Electrochemical Degradation of Remazol Red BR and Novacron Blue C-D Dyes Using Diamond Electrode. Electrocatalysis, 2012, 3, 1-12.	3.0	62
54	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

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55	Recent advances in electro-Fenton process and its emerging applications. Critical Reviews in Environmental Science and Technology, 2023, 53, 887-913.	12.8	57
56	Application of electrochemical advanced oxidation processes with a boron-doped diamond anode to degrade acidic solutions of Reactive Blue 15 (Turqueoise Blue) dye. Electrochimica Acta, 2016, 197, 210-220.	5.2	56
57	Formation and growth of PbO2 inside TiO2 nanotubes for environmental applications. Applied Catalysis B: Environmental, 2014, 144, 174-181.	20.2	55
58	Electrochemical incineration of oxalic acid: Reactivity and engineering parameters. Journal of Applied Electrochemistry, 2005, 35, 1087-1093.	2.9	54
59	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
60	Decontamination of produced water containing petroleum hydrocarbons by electrochemical methods: a minireview. Environmental Science and Pollution Research, 2014, 21, 8432-8441.	5.3	53
61	Reversible electrokinetic adsorption barriers for the removal of atrazine and oxyfluorfen from spiked soils. Journal of Hazardous Materials, 2017, 322, 413-420.	12.4	53
62	Investigation of persulfate production on BDD anode by understanding the impact of water concentration. Journal of Electroanalytical Chemistry, 2020, 860, 113927.	3.8	53
63	Effect of sp3/sp2 Ratio on Boron Doped Diamond Films for Producing Persulfate. ECS Electrochemistry Letters, 2015, 4, E9-E11.	1.9	52
64	Electrochemical promotion of strong oxidants to degrade Acid Red 211: Effect of supporting electrolytes. Journal of Electroanalytical Chemistry, 2015, 738, 84-91.	3.8	51
65	Electrochemical measurements and theoretical studies for understanding the behavior of catechol, resorcinol and hydroquinone on the boron doped diamond surface. RSC Advances, 2018, 8, 3483-3492.	3.6	51
66	On the oxygen evolution reaction at IrO 2 -SnO 2 mixed-oxide electrodes. Electrochimica Acta, 2014, 146, 257-261.	5.2	50
67	Vermiculite as heterogeneous catalyst in electrochemical Fenton-based processes: Application to the oxidation of Ponceau SS dye. Chemosphere, 2020, 240, 124838.	8.2	50
68	Electrochemical oxidation of oxalic acid in the presence of halides at boron doped diamond electrode. Journal of the Brazilian Chemical Society, 2008, 19, 150-156.	0.6	49
69	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
70	Electrooxidation of cardanol on mixed metal oxide (RuO2-TiO2 and IrO2-RuO2-TiO2) coated titanium anodes: insights into recalcitrant phenolic compounds. Electrochimica Acta, 2016, 212, 95-101.	5.2	47
71	Coupling electrokinetic remediation with phytoremediation for depolluting soil with petroleum and the use of electrochemical technologies for treating the effluent generated. Separation and Purification Technology, 2019, 208, 194-200.	7.9	47
72	A Brief Review on Environmental Application of Boron Doped Diamond Electrodes as a New Way for Electrochemical Incineration of Synthetic Dyes. International Journal of Electrochemistry, 2012, 2012, 1-18.	2.4	46

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73	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
74	Electrochemical oxidation technology to treat textile wastewaters. Current Opinion in Electrochemistry, 2021, 29, 100806.	4.8	46
75	Dye wastewaters treatment using batch and recirculation flow electrocoagulation systems. Journal of Electroanalytical Chemistry, 2017, 801, 30-37.	3.8	45
76	Electrochemical removal of synthetic textile dyes from aqueous solutions using Ti/Pt anode: role of dye structure. Environmental Science and Pollution Research, 2014, 21, 9777-9784.	5.3	44
77	Application of electrokinetic soil flushing to four herbicides: A comparison. Chemosphere, 2016, 153, 205-211.	8.2	44
78	Electrokinetic-Fenton for the remediation low hydraulic conductivity soil contaminated with petroleum. Chemosphere, 2020, 248, 126029.	8.2	41
79	Removal of antibiotic rifampicin from aqueous media by advanced electrochemical oxidation: Role of electrode materials, electrolytes and real water matrices. Electrochimica Acta, 2021, 396, 139254.	5.2	41
80	Treating soil-washing fluids polluted with oxyfluorfen by sono-electrolysis with diamond anodes. Ultrasonics Sonochemistry, 2017, 34, 115-122.	8.2	40
81	Use of Pt and Boronâ€Ðoped Diamond Anodes in the Electrochemical Advanced Oxidation of Ponceau SS Diazo Dye in Acidic Sulfate Medium. ChemElectroChem, 2018, 5, 685-693.	3.4	40
82	The synergic persulfate-sodium dodecyl sulfate effect during the electro-oxidation of caffeine using active and non-active anodes. Chemosphere, 2020, 253, 126599.	8.2	39
83	A ceramic electrode of ZrO2-Y2O3 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
84	Electrokinetic extraction of surfactants and heavy metals from sewage sludge. Electrochimica Acta, 2009, 54, 2108-2118.	5.2	37
85	Solar photocatalytic application of NbO 2 OH as alternative photocatalyst for water treatment. Science of the Total Environment, 2017, 596-597, 79-86.	8.0	37
86	Sulfate pollution: evidence for electrochemical production of persulfate by oxidizing sulfate released by the surfactant sodium dodecyl sulfate. Environmental Chemistry Letters, 2018, 16, 647-652.	16.2	37
87	Electrochemical advanced oxidation processes as decentralized water treatment technologies to remediate domestic washing machine effluents. Environmental Science and Pollution Research, 2018, 25, 7002-7011.	5.3	37
88	Application of electro-Fenton process as alternative for degradation of Novacron Blue dye. Journal of Environmental Chemical Engineering, 2014, 2, 875-880.	6.7	36
89	Acid blue 29 decolorization and mineralization by anodic oxidation with a cold gas spray synthesized Snâ€“Cuâ€“Sb alloy anode. Chemosphere, 2016, 148, 47-54.	8.2	36
90	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. Applied Energy, 2020, 278, 115680.	10.1	36

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91	Evidence for the electrochemical production of persulfate at TiO₂ nanotubes decorated with PbO₂. New Journal of Chemistry, 2018, 42, 5523-5531.	2.8	35
92	Electrochemical degradation of Acid Blue 113 dye using TiO 2 -nanotubes decorated with PbO 2 as anode. Environmental Nanotechnology, Monitoring and Management, 2016, 5, 13-20.	2.9	34
93	UV assisted electrochemical technologies for the removal of oxyfluorfen from soil washing wastes. Chemical Engineering Journal, 2017, 318, 2-9.	12.7	34
94	Electrochemical abatement of amaranth dye solutions using individual or an assembling of flow cells with Ti/Pt and Ti/Pt-SnSb anodes. Separation and Purification Technology, 2017, 179, 194-203.	7.9	34
95	Electrochemical behaviour of dopamine at covalent modified glassy carbon electrode with l-cysteine: preliminary results. Materials Research, 2009, 12, 375-384.	1.3	33
96	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
97	Niobium Oxide Catalysts as Emerging Material for Textile Wastewater Reuse: Photocatalytic Decolorization of Azo Dyes. Catalysts, 2019, 9, 1070.	3.5	33
98	Indirect Electrochemical Oxidation of Reactive Blue 19 Dye as a Model Organic Substrate: Role of Anode Material and Oxidants Electrochemically Generated. Journal of the Electrochemical Society, 2016, 163, E62-E69.	2.9	32
99	Performance of (in)active anodic materials for the electrooxidation of phenolic wastewaters from cashew-nut processing industry. Chemosphere, 2018, 201, 740-748.	8.2	32
100	Applicability of electrochemical technologies for removing and monitoring Pb2+ from soil and water. Journal of Electroanalytical Chemistry, 2018, 816, 171-178.	3.8	32
101	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
102	Intensification of petroleum elimination in the presence of a surfactant using anodic electrochemical treatment with BDD anode. Journal of Electroanalytical Chemistry, 2019, 832, 453-458.	3.8	32
103	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
104	Novel cork-graphite electrochemical sensor for voltammetric determination of caffeine. Journal of Electroanalytical Chemistry, 2019, 839, 283-289.	3.8	31
105	Application of TiO2-nanotubes/PbO2 as an anode for the electrochemical elimination of Acid Red 1 dye. Journal of Solid State Electrochemistry, 2019, 23, 351-360.	2.5	31
106	Removal of herbicide 1-chloro-2,4-dinitrobenzene (DNCB) from aqueous solutions by electrochemical oxidation using boron-doped diamond (BDD) and PbO2 electrodes. Journal of Hazardous Materials, 2021, 402, 123850.	12.4	31
107	Degradation of 2-hydroxybenzoic acid by advanced oxidation processes. Brazilian Journal of Chemical Engineering, 2009, 26, 503-513.	1.3	30
108	Electrochemical Oxidation of Acid Violet 7 Dye by Using Si/BDD and Nb/BDD Electrodes. Journal of the Electrochemical Society, 2018, 165, E250-E255.	2.9	30

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109	Calcite buffer effects in electrokinetic remediation of clopyralid-polluted soils. Separation and Purification Technology, 2019, 212, 376-387.	7.9	30
110	Fuel station effluent treatment by electrochemical technology. Journal of Electroanalytical Chemistry, 2016, 763, 97-103.	3.8	28
111	Unexpected Enhancement of Electrocatalytic Nature of Ti/(RuO₂)_xâ€“(Sb₂O₅)_y Anodes Prepared by the Ionic Liquid-Thermal Decomposition Method. Industrial & Engineering Chemistry Research, 2016, 55, 3182-3187.	3.7	28
112	Activation by light irradiation of oxidants electrochemically generated during Rhodamine B elimination. Journal of Electroanalytical Chemistry, 2015, 757, 144-149.	3.8	26
113	Electrochemical study of carboxylic acids with Nb-supported boron doped diamond anode. Part 2: Electrochemical oxidation associated to DFT calculations. Journal of Electroanalytical Chemistry, 2017, 794, 93-102.	3.8	26
114	Electrochemical study of carboxylic acids with Nb-supported boron doped diamond anode. Part 1: Potentiodynamic measurements and bulk oxidations. Journal of Electroanalytical Chemistry, 2017, 794, 204-211.	3.8	26
115	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
116	Use of a Dual Arrangement of Flow Cells for Electrochemical Decontamination of Aqueous Solutions Containing Synthetic Dyes. Electrocatalysis, 2013, 4, 274-282.	3.0	24
117	Elimination of Pb2+ through electrocoagulation: Applicability of adsorptive stripping voltammetry for monitoring the lead concentration during its elimination. Journal of Electroanalytical Chemistry, 2014, 717-718, 213-218.	3.8	24
118	Electrochemical Technologies for Detecting and Degrading Benzoquinone Using Diamond Films. ChemElectroChem, 2019, 6, 4383-4390.	3.4	24
119	Anodic Oxidation as Green Alternative for Removing Diethyl Phthalate from Wastewater Using Pb/PbO₂ and Ti/SnO₂ Anodes. Clean - Soil, Air, Water, 2012, 40, 408-415.	1.1	23
120	Treatment of Amaranth dye in aqueous solution by using one cell or two cells in series with active and non-active anodes. Electrochimica Acta, 2016, 210, 96-104.	5.2	23
121	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
122	Anodic Oxidation of the Insecticide Imidacloprid on Mixed Metal Oxide (RuO₂-TiO₂and IrO₂-RuO₂-TiO₂) Anodes. Journal of the Electrochemical Society, 2017, 164, E489-E495.	2.9	22
123	Long-chain phenols oxidation using a flow electrochemical reactor assembled with a TiO2-RuO2-IrO2 DSA electrode. Separation and Purification Technology, 2021, 264, 118425.	7.9	22
124	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
125	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. Separation and Purification Technology, 2020, 242, 116776.	7.9	21
126	Obtaining high-added value products from the technical cashew-nut shell liquid using electrochemical oxidation with BDD anodes. Separation and Purification Technology, 2020, 250, 117099.	7.9	20

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127	Determination of Trace Metals by Differential Pulse Voltammetry at Chitosan Modified Electrodes. Portugaliae Electrochimica Acta, 2010, 28, 39-49.	1.1	20
128	Study of produced water using hydrochemistry and multivariate statistics in different production zones of mature fields in the Potiguar Basin â€“ Brazil. Journal of Petroleum Science and Engineering, 2014, 116, 109-114.	4.2	19
129	Cl-mediated electrochemical oxidation for treating an effluent using platinum and diamond anodes. Journal of Water Process Engineering, 2015, 8, e31-e36.	5.6	19
130	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
131	Clopyralid degradation by AOPs enhanced with zero valent iron. Journal of Hazardous Materials, 2020, 392, 122282.	12.4	19
132	Application of advanced oxidation processes for removing salicylic acid from synthetic wastewaters. Chinese Chemical Letters, 2010, 21, 101-104.	9.0	18
133	Understanding the behavior of caffeine on a boron-doped diamond surface: voltammetric, DFT, QTAIM and ELF studies. New Journal of Chemistry, 2017, 41, 7766-7774.	2.8	18
134	Coupling Photo and Sono Technologies with BDD Anodic Oxidation for Treating Soil-Washing Effluent Polluted with Atrazine. Journal of the Electrochemical Society, 2018, 165, E262-E267.	2.9	18
135	Integrated-electrochemical approaches powered by photovoltaic energy for detecting and treating paracetamol in water. Journal of Electroanalytical Chemistry, 2020, 876, 114734.	3.8	18
136	Persulfate-soil washing: The green use of persulfate electrochemically generated with diamond electrodes for depolluting soils. Journal of Electroanalytical Chemistry, 2021, 895, 115498.	3.8	18
137	Conductive diamond electrodes for water purification. Materials Research, 2007, 10, 419-424.	1.3	18
138	Ternary dimensionally stable anodes composed of RuO2 and IrO2 with CeO2, SnO2, or Sb2O3 for efficient naphthalene and benzene electrochemical removal. Journal of Applied Electrochemistry, 2017, 47, 547-561.	2.9	17
139	Evaluation of the toxicity reduction of an ionic liquid solution electrochemically treated using BDD films with different sp3/sp2 ratios. Electrochemistry Communications, 2020, 118, 106792.	4.7	17
140	Simultaneous determination of paracetamol and caffeine in pharmaceutical formulations and synthetic urine using cork-modified graphite electrodes. Journal of Solid State Electrochemistry, 2020, 24, 1789-1800.	2.5	17
141	Green Composite Sensor for Monitoring Hydroxychloroquine in Different Water Matrix. Materials, 2021, 14, 4990.	2.9	17
142	Understanding the electrochemical oxidation of dyes on platinum and boronâ€“doped diamond electrode surfaces: experimental and computational study. Journal of Solid State Electrochemistry, 2020, 24, 3245-3256.	2.5	16
143	Applicability of Cork as Novel Modifiers to Develop Electrochemical Sensor for Caffeine Determination. Materials, 2021, 14, 37.	2.9	16
144	Effectiveness of Croton cajucara Benth on corrosion inhibition of carbon steel in saline medium. Materials and Corrosion - Werkstoffe Und Korrosion, 2013, 64, 530-534.	1.5	15

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145	Cysteic Acidâ€Modified Glassy Carbon Electrode for Monitoring Oxalic Acid (OA) Concentration During Its Electrochemical Oxidation at Ti/Pt Anode. Electroanalysis, 2014, 26, 748-755.	2.9	15
146	Semi-Continuous Electrokinetic Dewatering of Phosphatic Clay Suspensions. Electrochimica Acta, 2014, 140, 438-446.	5.2	15
147	Large disk electrodes of Ti/TiO₂-nanotubes/PbO₂for environmental applications. RSC Advances, 2015, 5, 31454-31459.	3.6	15
148	Voltammetric Determination of Folic Acid Using a Graphite Paste Electrode. Electroanalysis, 2015, 27, 398-405.	2.9	15
149	Functional group influences on the reactive azo dye decolorization performance by electrochemical oxidation and electro-Fenton technologies. Environmental Science and Pollution Research, 2017, 24, 24167-24176.	5.3	15
150	Treatment of landfill leachate by a combined process: Iron electrodissolution, iron oxidation by H 2 O 2 and chemical flocculation. Sustainable Environment Research, 2018, 28, 12-19.	4.2	15
151	A sequential process to treat a cashew-nut effluent: Electrocoagulation plus electrochemical oxidation. Journal of Electroanalytical Chemistry, 2019, 834, 79-85.	3.8	15
152	Coupling of Anodic Oxidation and Soil Remediation Processes: A Review. Materials, 2020, 13, 4309.	2.9	15
153	Electro- and photo-electrooxidation of 2,4,5-trichlorophenoxiacetic acid (2,4,5-T) in aqueous media with PbO2, Sb-doped SnO2, BDD and TiO2-NTs anodes: A comparative study. Journal of Electroanalytical Chemistry, 2020, 873, 114438.	3.8	15
154	Electrochemical Determination of Lead Using A Composite Sensor Obtained from Low-Cost Green Materials:Graphite/Cork. Applied Sciences (Switzerland), 2021, 11, 2355.	2.5	15
155	Complementary Mechanism Model for the Electrochemical Mineralization. Current Organic Chemistry, 2012, 16, 1957-1959.	1.6	14
156	Inactivation, lysis and degradation by-products of Saccharomyces cerevisiae by electrooxidation using DSA. Environmental Science and Pollution Research, 2017, 24, 6096-6105.	5.3	14
157	Cathodic hydrogen production by simultaneous oxidation of methyl red and 2,4-dichlorophenoxyacetate aqueous solutions using Pb/PbO₂, Ti/Sb-doped SnO₂and Si/BDD anodes. Part 1: electrochemical oxidation. RSC Advances, 2020, 10, 37695-37706.	3.6	14
158	Metal Organic Frameworkâ€235 (MOFâ€235) Modified Carbon Paste Electrode for Catechol Determination in Water. Electroanalysis, 2021, 33, 57-65.	2.9	14
159	An overview of chelate modified electro-Fenton processes. Journal of Environmental Chemical Engineering, 2022, 10, 107183.	6.7	14
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