Dos Santos, Ev

List of Publications by Year
in descending order

63	1,968	218677	265206
papers	citations	26 h-index	42 g-index

64	64	64	1474
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	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
5	Electrochemical advanced oxidation processes (EAOPs) as alternative treatment techniques for carwash wastewater reclamation. Chemosphere, 2018, 211, 998-1006.	8.2	78
6	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
7	Combined soil washing and CDEO for the removal of atrazine from soils. Journal of Hazardous Materials, 2015, 300, 129-134.	12.4	75
8	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
9	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
10	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
11	Decontamination of produced water containing petroleum hydrocarbons by electrochemical methods: a minireview. Environmental Science and Pollution Research, 2014, 21, 8432-8441.	5.3	53
12	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
13	Investigation of persulfate production on BDD anode by understanding the impact of water concentration. Journal of Electroanalytical Chemistry, 2020, 860, 113927.	3.8	53
14	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
15	Application of electrokinetic soil flushing to four herbicides: A comparison. Chemosphere, 2016, 153, 205-211.	8.2	44
16	Electrokinetic-Fenton for the remediation low hydraulic conductivity soil contaminated with petroleum. Chemosphere, 2020, 248, 126029.	8.2	41
17	Treating soil-washing fluids polluted with oxyfluorfen by sono-electrolysis with diamond anodes. Ultrasonics Sonochemistry, 2017, 34, 115-122.	8.2	40
18	Combination of electrokinetic remediation with permeable reactive barriers to remove organic compounds from soils. Current Opinion in Electrochemistry, 2020, 22, 136-144.	4.8	40

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19	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
20	UV assisted electrochemical technologies for the removal of oxyfluorfen from soil washing wastes. Chemical Engineering Journal, 2017, 318, 2-9.	12.7	34
21	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
22	Applicability of electrochemical technologies for removing and monitoring Pb2+ from soil and water. Journal of Electroanalytical Chemistry, 2018, 816, 171-178.	3.8	32
23	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
24	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
25	Novel cork-graphite electrochemical sensor for voltammetric determination of caffeine. Journal of Electroanalytical Chemistry, 2019, 839, 283-289.	3.8	31
26	Calcite buffer effects in electrokinetic remediation of clopyralid-polluted soils. Separation and Purification Technology, 2019, 212, 376-387.	7.9	30
27	Solarâ€powered BDDâ€electrolysis remediation of soil washing fluid spiked with diesel. Journal of Chemical Technology and Biotechnology, 2019, 94, 2999-3006.	3.2	24
28	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
29	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
30	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
31	Integrated-electrochemical approaches powered by photovoltaic energy for detecting and treating paracetamol in water. Journal of Electroanalytical Chemistry, 2020, 876, 114734.	3.8	18
32	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
33	Green Composite Sensor for Monitoring Hydroxychloroquine in Different Water Matrix. Materials, 2021, 14, 4990.	2.9	17
34	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
35	Applicability of Cork as Novel Modifiers to Develop Electrochemical Sensor for Caffeine Determination. Materials, 2021, 14, 37.	2.9	16
36	Single laboratory validation of a SPE method for the determination of PAHs in edible oils by GC-MS. Analytical Methods, 2012, 4, 4068.	2.7	15

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37	Semi-Continuous Electrokinetic Dewatering of Phosphatic Clay Suspensions. Electrochimica Acta, 2014, 140, 438-446.	5.2	15
38	Coupling of Anodic Oxidation and Soil Remediation Processes: A Review. Materials, 2020, 13, 4309.	2.9	15
39	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
40	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
41	Theoretical and experimental study of the influence of cationâ€“Eriochrome complexes on the BDD anodic oxidation of Eriochrome Black T solutions. Electrochemistry Communications, 2020, 112, 106668.	4.7	13
42	Coupled Electrochemical Processes for Removing Dye from Soil and Water. Journal of the Electrochemical Society, 2018, 165, E318-E324.	2.9	12
43	Cathodic hydrogen production by simultaneous oxidation of methyl red and 2,4-dichlorophenoxyacetate in aqueous solutions using PbO₂, Sb-doped SnO₂and Si/BDD anodes. Part 2: hydrogen production. RSC Advances, 2020, 10, 37947-37955.	3.6	12
44	Method validation and occurrence of dioxins and furans (PCDD/Fs) in fish from Brazil. Analytical Methods, 2014, 6, 1963-1969.	2.7	11
45	Applicability of electroanalysis for monitoring oxalic acid (OA) concentration during its electrochemical oxidation. Journal of Electroanalytical Chemistry, 2013, 701, 32-35.	3.8	10
46	Towards Use of Persulfate Electrogenerated at Boron Doped Diamond Electrodes as Ex-Situ Oxidation Approach: Storage and Service-Life Solution Parameters. Journal of the Electrochemical Society, 2022, 169, 033506.	2.9	10
47	Application of electro-Fenton and photoelectro-Fenton processes for the degradation of contaminants in landfill leachate. Environmental Research, 2022, 213, 113552.	7.5	10
48	Promoting CO2 electroreduction on boron-doped diamond electrodes: Challenges and trends. Current Opinion in Electrochemistry, 2022, 32, 100890.	4.8	8
49	Production of Chlorine Dioxide Using Hydrogen Peroxide and Chlorates. Catalysts, 2021, 11, 1478.	3.5	8
50	Applicability of Electroanalysis for Monitoring Oxalic Acid (OA) Concentration During its Electrochemical Oxidation at Different Electrode Materials. Electrocatalysis, 2013, 4, 267-273.	3.0	7
51	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
52	Determination of calcium content in tablets for treatment of osteoporosis using thermogravimetry (TG). Journal of Thermal Analysis and Calorimetry, 2013, 111, 1965-1970.	3.6	5
53	Photo-Electrochemical Technologies for Removing Organic Compounds in Wastewater. , 2018, , 239-266.		5
54	Achieving Electrochemical-Sustainable-Based Solutions for Monitoring and Treating Hydroxychloroquine in Real Water Matrix. Applied Sciences (Switzerland), 2022, 12, 699.	2.5	5

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55	Relevance of gaseous flows in electrochemically assisted soil thermal remediation. Current Opinion in Electrochemistry, 2021, 27, 100698.	4.8	4
56	An Electroanalytical Solution for the Determination of Pb2+ in Progressive Hair Dyes Using the Corkâ€“Graphite Sensor. Sensors, 2022, 22, 1466.	3.8	4
57	Full and Sustainable Electrochemical Production of Chlorine Dioxide. Catalysts, 2022, 12, 315.	3.5	4
58	Corkâ€based permeable reactive barriers coupled to electrokinetic processes for interrupting pollutants reaching groundwater: a case study of leadâ€contaminated soil. Journal of Chemical Technology and Biotechnology, 2022, 97, 2861-2870.	3.2	4
59	DeterminaÃ§Ã£o do teor de cÃ¡lcio em comprimido Ã base de lactato de cÃ¡lcio utilizado no tratamento da osteoporose. Quimica Nova, 2012, 35, 1355-1359.	0.3	3
60	Ultrasound and UV technologies for wastewater treatment using boron-doped diamond anodes. Current Opinion in Electrochemistry, 2022, 33, 100935.	4.8	3
61	Electrochemical Oxidation of Oxalic Acid at Different Anode Materials: Applicability of Electroanalysis for Monitoring OA Degradation. ECS Transactions, 2012, 43, 353-361.	0.5	2
62	Advanced oxidation/reduction technologies: a perspective from Iberoamerican countries. Environmental Science and Pollution Research, 2021, 28, 23565-23567.	5.3	1
63	Diamond Films as Support for Electrochemical Systems for Energy Conversion and Storage. Topics in Applied Physics, 2019, , 199-222.	0.8	0