

Marcos R V Lanza

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6360492/publications.pdf>

Version: 2024-02-01

172
papers

5,318
citations

71102

41
h-index

118850

62
g-index

173
all docs

173
docs citations

173
times ranked

4910
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical detection of carbamate pesticides in fruit and vegetables with a biosensor based on acetylcholinesterase immobilised on a composite of polyaniline-carbon nanotubes. <i>Food Chemistry</i> , 2012, 135, 873-879.	8.2	207
2	A comparative study of the electrogeneration of hydrogen peroxide using Vulcan and Printex carbon supports. <i>Carbon</i> , 2011, 49, 2842-2851.	10.3	161
3	Electrogeneration of hydrogen peroxide in gas diffusion electrodes modified with tert-butyl-anthraquinone on carbon black support. <i>Carbon</i> , 2013, 61, 236-244.	10.3	149
4	Oxygen reduction to hydrogen peroxide on Fe ₃ O ₄ nanoparticles supported on Printex carbon and Graphene. <i>Electrochimica Acta</i> , 2015, 162, 263-270.	5.2	132
5	Electrochemical synthesis of hydrogen peroxide on oxygen-fed graphite/PTFE electrodes modified by 2-ethylanthraquinone. <i>Journal of Electroanalytical Chemistry</i> , 2007, 601, 63-67.	3.8	112
6	Use of Gas Diffusion Electrode for the In Situ Generation of Hydrogen Peroxide in an Electrochemical Flow-By Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 649-654.	3.7	108
7	Electrogeneration of hydrogen peroxide in acidic medium using gas diffusion electrodes modified with cobalt (II) phthalocyanine. <i>Electrochimica Acta</i> , 2013, 104, 12-18.	5.2	101
8	Low content cerium oxide nanoparticles on carbon for hydrogen peroxide electrosynthesis. <i>Applied Catalysis A: General</i> , 2012, 411-412, 1-6.	4.3	100
9	Evaluation of H ₂ O ₂ electrogeneration and decolorization of Orange II azo dye using tungsten oxide nanoparticle-modified carbon. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 436-445.	20.2	98
10	Hydrogen peroxide electrogeneration in gas diffusion electrode nanostructured with Ta ₂ O ₅ . <i>Applied Catalysis A: General</i> , 2016, 517, 161-167.	4.3	90
11	Electrochemical oxidation route of methyl paraben on a boron-doped diamond anode. <i>Electrochimica Acta</i> , 2014, 117, 127-133.	5.2	89
12	In Situ Electrochemical Generation of Hydrogen Peroxide in Alkaline Aqueous Solution by using an Unmodified Gas Diffusion Electrode. <i>ChemElectroChem</i> , 2015, 2, 714-719.	3.4	89
13	Electrochemical and sonoelectrochemical processes applied to amaranth dye degradation. <i>Chemosphere</i> , 2014, 117, 200-207.	8.2	88
14	Catalytic activity of Fe ₃ O ₄ -Cu ₂ O (0.25) nanoparticles for the degradation of Amaranth food dye by heterogeneous electro-Fenton process. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 434-441.	20.2	87
15	Electrosynthesis of hydrogen peroxide using modified gas diffusion electrodes (MGDE) for environmental applications: Quinones and azo compounds employed as redox modifiers. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 95-107.	20.2	83
16	Development and application of an electrochemical sensor modified with multi-walled carbon nanotubes and graphene oxide for the sensitive and selective detection of tetracycline. <i>Journal of Electroanalytical Chemistry</i> , 2015, 757, 250-257.	3.8	77
17	Anodic oxidation of wastewater containing the Reactive Orange 16 Dye using heavily boron-doped diamond electrodes. <i>Journal of Hazardous Materials</i> , 2011, 192, 1683-1689.	12.4	74
18	Oxygen reduction reaction catalyzed by δ -MnO ₂ : Influence of the crystalline structure on the reaction mechanism. <i>Electrochimica Acta</i> , 2012, 85, 423-431.	5.2	71

#	ARTICLE	IF	CITATIONS
19	Nb ₂ O ₅ nanoparticles supported on reduced graphene oxide sheets as electrocatalyst for the H ₂ O ₂ electrogeneration. <i>Journal of Catalysis</i> , 2015, 332, 51-61.	6.2	70
20	Degradation of antibiotic ciprofloxacin by different AOP systems using electrochemically generated hydrogen peroxide. <i>Chemosphere</i> , 2020, 247, 125807.	8.2	69
21	Electrochemical degradation of RB-5 dye by anodic oxidation, electro-Fenton and by combining anodic oxidation and electro-Fenton in a filter-press flow cell. <i>Journal of Electroanalytical Chemistry</i> , 2016, 765, 179-187.	3.8	67
22	Carbon nanotubes modified with antimony nanoparticles in a paraffin composite electrode: Simultaneous determination of sulfamethoxazole and trimethoprim. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 1293-1299.	7.8	66
23	Degradation of amaranth dye in alkaline medium by ultrasonic cavitation coupled with electrochemical oxidation using a boron-doped diamond anode. <i>Electrochimica Acta</i> , 2014, 143, 180-187.	5.2	63
24	Low tungsten content of nanostructured material supported on carbon for the degradation of phenol. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 479-486.	20.2	61
25	Carbon-supported MnO ₂ nanoflowers: Introducing oxygen vacancies for optimized volcano-type electrocatalytic activities towards H ₂ O ₂ generation. <i>Electrochimica Acta</i> , 2018, 268, 101-110.	5.2	60
26	Electrosynthesis of methanol from methane: The role of V ₂ O ₅ in the reaction selectivity for methanol of a TiO ₂ /RuO ₂ /V ₂ O ₅ gas diffusion electrode. <i>Electrochimica Acta</i> , 2013, 87, 606-610.	5.2	58
27	Electro-Fenton degradation of the food dye amaranth using a gas diffusion electrode modified with cobalt (II) phthalocyanine. <i>Journal of Electroanalytical Chemistry</i> , 2014, 722-723, 46-53.	3.8	55
28	The effect of the sp ³ /sp ² carbon ratio on the electrochemical oxidation of 2,4-D with p-Si BDD anodes. <i>Electrochimica Acta</i> , 2016, 187, 119-124.	5.2	54
29	The use of copper and cobalt phthalocyanines as electrocatalysts for the oxygen reduction reaction in acid medium. <i>Electrochimica Acta</i> , 2014, 139, 1-6.	5.2	52
30	A comparative study of the electrochemical oxidation of the herbicide tebutiuron using boron-doped diamond electrodes. <i>Chemosphere</i> , 2012, 88, 155-160.	8.2	51
31	Surface and Catalytic effects on Treated Carbon Materials for Hydrogen Peroxide Electrogeneration. <i>Electrocatalysis</i> , 2016, 7, 60-69.	3.0	50
32	Solar-powered electrokinetic remediation for the treatment of soil polluted with the herbicide 2,4-D. <i>Electrochimica Acta</i> , 2016, 190, 371-377.	5.2	49
33	Use of a vanadium nanostructured material for hydrogen peroxide electrogeneration. <i>Journal of Electroanalytical Chemistry</i> , 2014, 719, 127-132.	3.8	48
34	Title is missing!. <i>Journal of Applied Electrochemistry</i> , 2000, 30, 61-70.	2.9	47
35	Azobenzene-modified oxygen-fed graphite/PTFE electrodes for hydrogen peroxide synthesis. <i>Journal of Applied Electrochemistry</i> , 2007, 37, 527-532.	2.9	46
36	Synthesis and characterization of nanostructured electrocatalysts based on nickel and tin for hydrogen peroxide electrogeneration. <i>Electrochimica Acta</i> , 2013, 109, 245-251.	5.2	46

#	ARTICLE	IF	CITATIONS
37	A wind-powered BDD electrochemical oxidation process for the removal of herbicides. <i>Journal of Environmental Management</i> , 2015, 158, 36-39.	7.8	46
38	Nanodiamonds stabilized in dihexadecyl phosphate film for electrochemical study and quantification of codeine in biological and pharmaceutical samples. <i>Diamond and Related Materials</i> , 2017, 74, 191-196.	3.9	46
39	Electrogeneration of hydrogen peroxide in gas diffusion electrodes: Application of iron (II) phthalocyanine as a modifier of carbon black. <i>Journal of Electroanalytical Chemistry</i> , 2014, 722-723, 32-37.	3.8	45
40	Cyanide Oxidation from Wastewater in a Flow Electrochemical Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 22-26.	3.7	44
41	Application of electrokinetic soil flushing to four herbicides: A comparison. <i>Chemosphere</i> , 2016, 153, 205-211.	8.2	44
42	Sensor for diuron quantitation based on the P450 biomimetic catalyst nickel(II) 1,4,8,11,15,18,22,25-octabutoxy-29H,31H-phthalocyanine. <i>Journal of Electroanalytical Chemistry</i> , 2013, 690, 83-88.	3.8	43
43	Electrochemical removal of Reactive Black 5 azo dye using non-commercial boron-doped diamond film anodes. <i>Electrochimica Acta</i> , 2015, 178, 484-493.	5.2	43
44	Influence of the preparation method and the support on H ₂ O ₂ electrogeneration using cerium oxide nanoparticles. <i>Electrochimica Acta</i> , 2013, 111, 339-343.	5.2	42
45	Enhanced photoelectrocatalytic performance of TiO ₂ nanotube array modified with WO ₃ applied to the degradation of the endocrine disruptor propyl paraben. <i>Journal of Electroanalytical Chemistry</i> , 2017, 802, 33-39.	3.8	42
46	Recent advances in electrochemical water technologies for the treatment of antibiotics: A short review. <i>Current Opinion in Electrochemistry</i> , 2021, 26, 100674.	4.8	42
47	Removal of herbicide 2,4-D using conductive-diamond sono-electrochemical oxidation. <i>Separation and Purification Technology</i> , 2015, 149, 24-30.	7.9	40
48	Removal of pesticide 2,4-D by conductive-diamond photoelectrochemical oxidation. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 733-739.	20.2	40
49	Enhanced electrodegradation of the Sunset Yellow dye in acid media by heterogeneous Photoelectro-Fenton process using Fe ₃ O ₄ nanoparticles as a catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103621.	6.7	40
50	Carbon black nanospheres modified with Cu (II)-phthalocyanine for electrochemical determination of Trimethoprim antibiotic. <i>Applied Surface Science</i> , 2019, 470, 555-564.	6.1	39
51	Electrochemical and sonoelectrochemical processes applied to the degradation of the endocrine disruptor methyl paraben. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 1317-1325.	2.9	37
52	Hexagonal-Nb ₂ O ₅ /Anatase-TiO ₂ mixtures and their applications in the removal of Methylene Blue dye under various conditions. <i>Materials Chemistry and Physics</i> , 2017, 198, 331-340.	4.0	37
53	Degradation of dipyrone via advanced oxidation processes using a cerium nanostructured electrocatalyst material. <i>Applied Catalysis A: General</i> , 2013, 462-463, 256-261.	4.3	36
54	W@Au Nanostructures Modifying Carbon as Materials for Hydrogen Peroxide Electrogeneration. <i>Electrochimica Acta</i> , 2017, 231, 713-720.	5.2	36

#	ARTICLE	IF	CITATIONS
55	Electrochemical oxidation of RB-19 dye using a highly BDD/Ti: Proposed pathway and toxicity. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3900-3909.	6.7	35
56	Antibiotic Detection in Urine Using Electrochemical Sensors Based on Vertically Aligned Carbon Nanotubes. <i>Electroanalysis</i> , 2013, 25, 2092-2099.	2.9	34
57	Application and stability of cathodes with manganese dioxide nanoflowers supported on Vulcan by Fenton systems for the degradation of RB5 azo dye. <i>Chemosphere</i> , 2018, 208, 131-138.	8.2	34
58	Electrochemical oxidation of ciprofloxacin in different aqueous matrices using synthesized boron-doped micro and nano-diamond anodes. <i>Environmental Research</i> , 2022, 204, 112027.	7.5	34
59	Electrodeposition of WO ₃ on Ti substrate and the influence of interfacial oxide layer generated in situ: A photoelectrocatalytic degradation of propyl paraben. <i>Applied Surface Science</i> , 2019, 464, 664-672.	6.1	33
60	Biosensor Based on Electrocodeposition of Carbon Nanotubes/Polypyrrole/Laccase for Neurotransmitter Detection. <i>Electroanalysis</i> , 2013, 25, 394-400.	2.9	31
61	Efficiency study and mechanistic aspects in the Brilliant Green dye degradation using BDD/Ti electrodes. <i>Diamond and Related Materials</i> , 2016, 65, 5-12.	3.9	31
62	Low Pd loadings onto Printex L6: Synthesis, characterization and performance towards H ₂ O ₂ generation for electrochemical water treatment technologies. <i>Chemosphere</i> , 2020, 259, 127523.	8.2	31
63	A Feasibility Study of the Electro-recycling of Greenhouse Gases: Design and Characterization of a (TiO ₂ /RuO ₂)/PTFE Gas Diffusion Electrode for the Electrosynthesis of Methanol from Methane. <i>Electrocatalysis</i> , 2010, 1, 224-229.	3.0	30
64	Applicability of electrochemical oxidation using diamond anodes to the treatment of a sulfonylurea herbicide. <i>Catalysis Today</i> , 2017, 280, 192-198.	4.4	29
65	Catalysis of oxygen reduction reaction for H ₂ O ₂ electrogeneration: The impact of different conductive carbon matrices and their physicochemical properties. <i>Journal of Catalysis</i> , 2020, 392, 56-68.	6.2	29
66	Treatment of Tebuthiuron in synthetic and real wastewater using electrochemical flow-by reactor. <i>Journal of Electroanalytical Chemistry</i> , 2021, 882, 114978.	3.8	28
67	Effect of electrochemically-driven technologies on the treatment of endocrine disruptors in synthetic and real urban wastewater. <i>Electrochimica Acta</i> , 2021, 376, 138034.	5.2	28
68	Electrolytic removal of metals using a flow-through cell with a reticulated vitreous carbon cathode. <i>Journal of the Brazilian Chemical Society</i> , 1997, 8, 487-493.	0.6	27
69	Electrochemical degradation of the insecticide methyl parathion using a boron-doped diamond film anode. <i>Journal of Electroanalytical Chemistry</i> , 2013, 702, 1-7.	3.8	27
70	Electrochemical oxidation of imazapyr with BDD electrode in titanium substrate. <i>Chemosphere</i> , 2014, 117, 596-603.	8.2	27
71	Solar-powered CDEO for the treatment of wastewater polluted with the herbicide 2,4-D. <i>Chemical Engineering Journal</i> , 2015, 277, 64-69.	12.7	27
72	Electrochemical sensor highly selective for estradiol valerate determination based on a modified carbon paste with iron tetrapyrroline. <i>Analyst</i> , 2008, 133, 1692.	3.5	25

#	ARTICLE	IF	CITATIONS
73	Application of the response surface and desirability design to the Lambda-cyhalothrin degradation using photo-Fenton reaction. <i>Journal of Environmental Management</i> , 2013, 118, 32-39.	7.8	25
74	Synthesis and Characterization of ZrO ₂ /C as Electrocatalyst for Oxygen Reduction to H ₂ O ₂ . <i>Electrocatalysis</i> , 2017, 8, 189-195.	3.0	25
75	The oxygen reduction reaction on palladium with low metal loadings: The effects of chlorides on the stability and activity towards hydrogen peroxide. <i>Journal of Catalysis</i> , 2020, 389, 400-408.	6.2	25
76	New operational mode of an electrochemical reactor and its application to the degradation of levofloxacin. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4441-4446.	6.7	24
77	Real-time electrochemical determination of phenolic compounds after benzene oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2012, 672, 34-39.	3.8	23
78	A new sensor architecture based on carbon Printex 6L to the electrochemical determination of ranitidine. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2395-2402.	2.5	22
79	Removal of chlorsulfuron and 2,4-D from spiked soil using reversible electrokinetic adsorption barriers. <i>Separation and Purification Technology</i> , 2017, 178, 147-153.	7.9	22
80	Oxygen reduction reaction: Semi-empirical quantum mechanical and electrochemical study of Printex L6 carbon black. <i>Carbon</i> , 2020, 156, 1-9.	10.3	22
81	Flow injection analysis of paracetamol using a biomimetic sensor as a sensitive and selective amperometric detector. <i>Analytical Methods</i> , 2010, 2, 507.	2.7	21
82	The use of dihexadecylphosphate in sensing and biosensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 805-813.	7.8	20
83	A Novel Electrochemical Sensor Based on Printex L6 Carbon Black Carrying CuO/Cu ₂ O Nanoparticles for Propylparaben Determination. <i>Electroanalysis</i> , 2018, 30, 2967-2976.	2.9	20
84	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.	5.2	20
85	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.	3.8	20
86	Effect of Fe ²⁺ on the degradation of the pesticide profenofos by electrogenerated H ₂ O ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2016, 783, 100-105.	3.8	19
87	Towards the scale-up of electrolysis with diamond anodes: effect of stacking on the electrochemical oxidation of 2,4 D. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 742-747.	3.2	19
88	Zirconia on Reduced Graphene Oxide Sheets: Synergistic Catalyst with High Selectivity for H ₂ O ₂ Electrogeneration. <i>ChemElectroChem</i> , 2017, 4, 508-513.	3.4	19
89	Simultaneous degradation of hexazinone and diuron using ZrO ₂ -nanostructured gas diffusion electrode. <i>Chemical Engineering Journal</i> , 2018, 351, 650-659.	12.7	19
90	The Role of Mediated Oxidation on the Electro-irradiated Treatment of Amoxicillin and Ampicillin Polluted Wastewater. <i>Catalysts</i> , 2019, 9, 9.	3.5	19

#	ARTICLE	IF	CITATIONS
91	Electrocatalysis of Hydrogen Peroxide Generation Using Oxygen-Fed Gas Diffusion Electrodes Made of Carbon Black Modified with Quinone Compounds. <i>Electrocatalysis</i> , 2020, 11, 338-346.	3.0	19
92	Avaliação da degradação do diclofenaco sódico utilizando H ₂ O ₂ /fenton em reator eletroquímico. <i>Química Nova</i> , 2009, 32, 354-358.	0.3	18
93	Degradation of profenofos in an electrochemical flow reactor using boron-doped diamond anodes. <i>Diamond and Related Materials</i> , 2013, 32, 54-60.	3.9	18
94	Removal of Mefenamic acid from aqueous solutions by oxidative process: Optimization through experimental design and HPLC/UV analysis. <i>Journal of Environmental Management</i> , 2016, 167, 206-213.	7.8	18
95	Sustainable microwave-assisted hydrothermal synthesis of carbon-supported ZrO ₂ nanoparticles for H ₂ O ₂ electrogeneration. <i>Materials Chemistry and Physics</i> , 2021, 267, 124575.	4.0	18
96	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.	7.9	18
97	Construction and application of an electrochemical sensor for paracetamol determination based on iron tetrapyrrolineporphyrin as a biomimetic catalyst of P450 enzyme. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 734-743.	0.6	17
98	Estudo da degradação de ranitidina via H ₂ O ₂ eletrogerado/Fenton em um reator eletroquímico com eletrodos de difusão gasosa. <i>Química Nova</i> , 2009, 32, 125-130.	0.3	17
99	Electrochemical degradation of benzene in natural water using silver nanoparticle-decorated carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2013, 141, 304-309.	4.0	17
100	Electrochemical Degradation of Tartrazine Dye in Aqueous Solution Using a Modified Gas Diffusion Electrode. <i>Journal of the Electrochemical Society</i> , 2014, 161, H438-H442.	2.9	16
101	Performance of wind-powered soil electroremediation process for the removal of 2,4-D from soil. <i>Journal of Environmental Management</i> , 2016, 171, 128-132.	7.8	16
102	A Simple Method for the Electrodeposition of WO ₃ in TiO ₂ Nanotubes: Influence of the Amount of Tungsten on Photoelectrocatalytic Activity. <i>Electrocatalysis</i> , 2017, 8, 115-121.	3.0	16
103	Rapid separation of post-blast explosive residues on glass electrophoresis microchips. <i>Electrophoresis</i> , 2019, 40, 462-468.	2.4	16
104	MASS TRANSPORT PROPERTIES OF A FLOW-THROUGH ELECTROLYTIC REACTOR USING A POROUS ELECTRODE: PERFORMANCE AND FIGURES OF MERIT FOR Pb(II) REMOVAL. <i>Brazilian Journal of Chemical Engineering</i> , 1998, 15, 396-405.	1.3	16
105	Effects of the modification of gas diffusion electrodes by organic redox catalysts for hydrogen peroxide electrosynthesis. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 643-650.	0.6	15
106	Degradação eletroquímica do cloranfenicol em reator de fluxo. <i>Química Nova</i> , 2010, 33, 1088-1092.	0.3	15
107	Development and Evaluation of a Pseudoreference Pt//Ag/AgCl Electrode for Electrochemical Systems. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 5367-5371.	3.7	15
108	Removal of algae from biological cultures: a challenge for electrocoagulation?. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 82-87.	3.2	15

#	ARTICLE	IF	CITATIONS
109	Effects of temperature and heating method on the performance of Ti/Ru _{0.25} Ir _{0.25} Ti _{0.50} O ₂ anodes applied toward Bisphenol S removal. <i>Electrochimica Acta</i> , 2020, 364, 137273.	5.2	15
110	Desenvolvimento e avaliação de eletrodos de difusão gasosa (EDG) para geração de H ₂ O ₂ in situ e sua aplicação na degradação do corante reativo azul 19. <i>Quimica Nova</i> , 2012, 35, 1961-1966.	0.3	14
111	Degradation of dipyrone in an electrochemical flow-by reactor using anodes of boron-doped diamond (BDD) supported on titanium. <i>Journal of Electroanalytical Chemistry</i> , 2013, 690, 89-95.	3.8	14
112	Doped diamond electrodes on titanium substrates with controlled sp ² /sp ³ hybridization at different boron levels. <i>Thin Solid Films</i> , 2014, 564, 97-103.	1.8	14
113	Is it worth the use of bipolar electrodes in electrolytic wastewater treatment processes?. <i>Chemical Engineering Journal</i> , 2015, 264, 310-315.	12.7	13
114	Removal of Orange II (OII) dye by simulated solar photoelectro-Fenton and stability of WO ₃ /Vulcan XC72 gas diffusion electrode. <i>Chemosphere</i> , 2020, 239, 124670.	8.2	13
115	Towards a higher photostability of ZnO photo-electrocatalysts in the degradation of organics by using MMO substrates. <i>Chemosphere</i> , 2021, 271, 129451.	8.2	13
116	Using Palladium and Gold Palladium Nanoparticles Decorated with Molybdenum Oxide for Versatile Hydrogen Peroxide Electroproduction on Graphene Nanoribbons. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6777-6793.	8.0	13
117	Selection of a Commercial Anode Oxide Coating for Electro-oxidation of Cyanide. <i>Journal of the Brazilian Chemical Society</i> , 2002, 13, 345-351.	0.6	12
118	Photo-Fenton degradation of the insecticide esfenvalerate in aqueous medium using a recirculation flow-through UV photoreactor. <i>Journal of Hazardous Materials</i> , 2011, 198, 370-375.	12.4	12
119	Combination of Cu-Pt-Pd nanoparticles supported on graphene nanoribbons decorating the surface of TiO ₂ nanotube applied for CO ₂ photoelectrochemical reduction. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105803.	6.7	12
120	Highly Efficient Electrochemical Production of Hydrogen Peroxide Using the GDE Technology. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 10660-10669.	3.7	12
121	Photoelectrochemical removal of 17 β -estradiol using a RuO ₂ -graphene electrode. <i>Chemosphere</i> , 2016, 162, 99-104.	8.2	11
122	Electrochemical Degradation of Reactive Blue 19 Dye by Combining Boron-Doped Diamond and Reticulated Vitreous Carbon Electrodes. <i>ChemElectroChem</i> , 2019, 6, 3516-3524.	3.4	11
123	Development and Application of a Highly Selective Biomimetic Sensor for Detection of Captopril, an Important Ally in Hypertension Control. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2010, 13, 666-674.	1.1	10
124	Insertion of nanostructured titanates into the pores of an anodised TiO ₂ nanotube array by mechanically stimulated electrophoretic deposition. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3955-3961.	5.5	10
125	Using black carbon modified with NbMo and NbPd oxide nanoparticles for the improvement of H ₂ O ₂ electrosynthesis. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114746.	3.8	10
126	Tailoring the ORR selectivity for H ₂ O ₂ electrogeneration by modification of Printex L6 carbon with 1,4-naphthoquinone: a theoretical, experimental and environmental application study. <i>Materials Advances</i> , 2020, 1, 1318-1329.	5.4	10

#	ARTICLE	IF	CITATIONS
127	Photoelectrocatalytic treatment of levofloxacin using Ti/MMO/ZnO electrode. Chemosphere, 2021, 284, 131303.	8.2	10
128	Application of a biomimetic sensor based on iron phthalocyanine chloride: 4-methylbenzylidene-camphor detection. Journal of the Brazilian Chemical Society, 2010, 21, 1377-1383.	0.6	9
129	Carbon Modified with Vanadium Nanoparticles for Hydrogen Peroxide Electrogeneration. Electroanalysis, 2017, 8, 311-320.	3.0	9
130	Morphological and Electrochemical Characterization of Ti/MxTiySnzO2 (M = Ir or Ru) Electrodes Prepared by the Polymeric Precursor Method. Advances in Chemical Engineering and Science, 2016, 06, 364-378.	0.5	9
131	High levofloxacin removal in the treatment of synthetic human urine using Ti/MMO/ZnO photo-electrocatalyst. Journal of Environmental Chemical Engineering, 2022, 10, 107317.	6.7	9
132	Using carbon black modified with Nb2O5 and RuO2 for enhancing selectivity toward H2O2 electrogeneration. Journal of Environmental Chemical Engineering, 2021, 9, 106787.	6.7	9
133	Electrochemical Degradation of Methyl Paraben Using a Boron-Doped Diamond Anode. ECS Transactions, 2012, 43, 111-117.	0.5	8
134	Degradation of Dipyrone by Electrogenerated H2O2 Combined with Fe2+ Using a Modified Gas Diffusion Electrode. Journal of the Electrochemical Society, 2014, 161, H867-H873.	2.9	8
135	Electrochemical dewatering for the removal of hazardous species from sludge. Journal of Environmental Management, 2019, 233, 768-773.	7.8	8
136	Eletrodegradação de Ponceau 2R utilizando ânodos dimensionalmente estáveis e Ti/Pt. Química Nova, 2013, 36, 85-90.	0.3	8
137	Electrochemical Characterization of DSA®-Type Electrodes Using Niobium Substrate. Electroanalysis, 2010, 1, 129-138.	3.0	7
138	Studies of the Electrochemical Degradation of Acetaminophen Using a Real-Time Biomimetic Sensor. Electroanalysis, 2011, 23, 2616-2621.	2.9	7
139	Electrogeneration Of H2O2 in Acid Medium Using Catalysts Modified with Manganese II Phthalocyanine Supported in Printex 6L Carbon. ECS Transactions, 2012, 43, 103-109.	0.5	7
140	Photoelectrocatalytic degradation of caffeine using bismuth vanadate modified with reduced graphene oxide. Materials Research Bulletin, 2022, 145, 111539.	5.2	7
141	Highly porous seeding-free boron-doped ultrananocrystalline diamond used as high-performance anode for electrochemical removal of carbaryl from water. Chemosphere, 2022, 305, 135497.	8.2	7
142	Oxidação eletroquímica do herbicida tebutiuron utilizando eletrodo do tipo DSA. Química Nova, 2012, 35, 1981-1984.	0.3	6
143	Influence of Supporting Electrolytes on RO 16 Dye Electrochemical Oxidation Using Boron Doped Diamond Electrodes. Materials Research, 2017, 20, 584-591.	1.3	6
144	Gas-phase errors affect DFT-based electrocatalysis models of oxygen reduction to hydrogen peroxide. ChemElectroChem, 2022, 9, .	3.4	6

#	ARTICLE	IF	CITATIONS
145	Aplica�o e avan�os da espectroscopia de luminesc�ncia em an�lises farmac�uticas. Quimica Nova, 2008, 31, 1755-1774.	0.3	5
146	Selective UV-filter detection with sensors based on stainless steel electrodes modified with polyaniline doped with metal tetrasulfonated phthalocyanine films. Analyst, The, 2009, 134, 1453.	3.5	5
147	Electrochemical and Morphology Study of the BDD/Ti Electrodes with Different Doping Levels. ECS Transactions, 2012, 43, 191-197.	0.5	5
148	Nitrate Removal on a Cu/Cu ₂ O Photocathode under UV Irradiation and Bias Potential. Journal of Advanced Oxidation Technologies, 2013, 16, .	0.5	5
149	Electrosynthesis of Ethylene Glycol from Oxidation of Ethylene Using a TiO ₂ @RuO ₂ /PTFE Gas Diffusion Electrode. Electrocatalysis, 2011, 2, 273-278.	3.0	4
150	Simultaneous Degradation of Diuron and Hexazinone Herbicides by Photo-Fenton: Assessment of Concentrations of H ₂ O ₂ and Fe ²⁺ by the Response Surface Methodology. Journal of Advanced Oxidation Technologies, 2015, 18, .	0.5	4
151	UV-irradiation and BDD-based photoelectrolysis for the treatment of halosulfuron-methyl herbicide. Environmental Science and Pollution Research, 2021, 28, 26762-26771.	5.3	4
152	Development of Biomimetic Sensor for Fast and Sensitive Detection of Norfloxacin. The Open Chemical and Biomedical Methods Journal, 2010, 3, 98-107.	0.5	4
153	Carbamide Peroxide Determination in Tooth Whitening Using a Reagentless HRP-Biosensor. Analytical Letters, 2009, 42, 352-365.	1.8	3
154	Electrooxidation of the Reactive Orange 16 Dye Using Boron Doped Diamond and DSA Type Electrodes. ECS Transactions, 2012, 43, 89-96.	0.5	3
155	Simultaneous Degradation of Hexazinone and Diuron Herbicides by H ₂ O ₂ /UV and Toxicity Assessment. Journal of the Brazilian Chemical Society, 2014, , .	0.6	3
156	Resorcinol-based carbon xerogel/ZnO composite for solar-light-induced photodegradation of sulfamerazine. Optical Materials, 2022, 128, 112470.	3.6	3
157	Online Monitoring of Electrochemical Degradation of Paracetamol through a Biomimetic Sensor. International Journal of Electrochemistry, 2011, 2011, 1-11.	2.4	2
158	Interactive Lecture in Redox Chemistry: Analysis of the Impact of the Dissemination of University Scientific Research among High School Students. Journal of Chemical Education, 2021, 98, 2279-2289.	2.3	2
159	A study of possible substitutes for the endocrine disruptor DEHP in two hormone receptors. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12516-12525.	3.5	2
160	ELECTROCHEMICAL OXIDATION OF REACTIVE BLACK 5 AND BLUE 19 DYES USING A NON COMMERCIAL BORON-DOPED DIAMOND ELECTRODE. Quimica Nova, 2016, , .	0.3	2
161	Gas�Phase Errors Affect DFT�Based Electrocatalysis Models of Oxygen Reduction to Hydrogen Peroxide. ChemElectroChem, 2022, 9, .	3.4	2
162	Influence of the sp ² Content on Boron Doped Diamond Electrodes Applied in the Textile Dye Electrooxidation. ECS Transactions, 2014, 58, 27-33.	0.5	1

#	ARTICLE	IF	CITATIONS
163	Degradation of Dipyrone by the Electro-Fenton Process in an Electrochemical Flow Reactor with a Modified Gas Diffusion Electrode. Journal of the Brazilian Chemical Society, 2014, , .	0.6	1
164	Ecotoxicity Measurements of Degraded Textile Dye by Electrochemical Process Using Boron-Doped Diamond Electrodes. ECS Transactions, 2015, 64, 25-31.	0.5	1
165	Analysis of degradation products of esfenvalerate by SBSE/HPLC-UV/DAD using fractional factorial design. Quimica Nova, 2014, 37, .	0.3	1
166	Application of Oxides Electrodes (Ru, Ti, Ir and Sn) for the Electrooxidation of Levofloxacin. Current Analytical Chemistry, 2018, 15, 66-74.	1.2	1
167	One-step preparation of Co ₂ V ₂ O ₇ : synthesis and application as Fenton-like catalyst in gas diffusion electrode. Physical Chemistry Chemical Physics, 2022, , .	2.8	1
168	Using Hybrid Coupling Processes for the Treatment of Waste Containing Halosulfuron-Methyl Herbicide. ChemElectroChem, 2022, 9, .	3.4	1
169	CHEMICAL DEGRADATION OF ESFENVALERATE AND HPLC-UV-PAD DETECTION OF INTERMEDIATES AND BY-PRODUCTS. Journal of Liquid Chromatography and Related Technologies, 2012, 35, 1081-1090.	1.0	0
170	MEFENAMIC ACID REMOVAL IN WATER USING ACTIVATED CARBON POWDER, RED MUD AND OXIDATION WITH CHLORINE. Quimica Nova, 2014, , .	0.3	0
171	Screening of By-Products of Esfenvalerate in Aqueous Medium Using SBSE Probe Desorption GC-IT-MS Technique. Journal of the Brazilian Chemical Society, 2015, , .	0.6	0
172	Boron-doped diamond electrodes for carbofuran electrochemical degradation. Revista Brasileira De Aplicações De Física, 2016, 35, 17.	0.1	0