Maria Valnice Boldrin Zanoni

List of Publications by Year
in descending order

250 papers	9,221 citations	44042 48 h-index	58549 82 g-index
256 all docs	256 docs citations	256 times ranked	9768 citing authors

#	Article	IF	Citations
1	Heterogeneous photocatalytic treatment of organic dyes in air and aqueous media. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2008, 9, 171-192.	5.6	681
2	Assessment of water contamination caused by a mutagenic textile effluent/dyehouse effluent bearing disperse dyes. Journal of Hazardous Materials, 2010, 174, 694-699.	6.5	360
3	Electrochemical sensors: a powerful tool in analytical chemistry. Journal of the Brazilian Chemical Society, 2003, 14, 159-173.	0.6	279
4	Achievements and Trends in Photoelectrocatalysis: from Environmental to Energy Applications. Electrocatalysis, 2015, 6, 415-441.	1.5	201
5	Efficiency comparison of ozonation, photolysis, photocatalysis and photoelectrocatalysis methods in real textile wastewater decolorization. Water Research, 2016, 98, 39-46.	5.3	185
6	Corantes tÃªxteis. Quimica Nova, 2000, 23, 71-78.	0.3	182
7	Photoelectrocatalytic degradation of Remazol Brilliant Orange 3R on titanium dioxide thin-film electrodes. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 157, 55-63.	2.0	177
8	Textile Dyes: Dyeing Process and Environmental Impact. , 0, , .		172
9	MOFs based on ZIF-8 deposited on TiO2 nanotubes increase the surface adsorption of CO2 and its photoelectrocatalytic reduction to alcohols in aqueous media. Applied Catalysis B: Environmental, 2018, 225, 563-573.	10.8	157
10	Evaluation of color removal and degradation of a reactive textile azo dye on nanoporous TiO2 thin-film electrodes. Electrochimica Acta, 2004, 49, 3807-3820.	2.6	149
11	Role of CuO in the modification of the photocatalytic water splitting behavior of TiO2 nanotube thin films. Applied Catalysis B: Environmental, 2018, 224, 136-145.	10.8	149
12	Homogeneous photodegradation of C.I. Reactive Blue 4 using a photo-Fenton process under artificial and solar irradiation. Dyes and Pigments, 2007, 74, 127-132.	2.0	144
13	Determination of the relative contribution of phenolic antioxidants in orange juice by voltammetric methods. Journal of Food Composition and Analysis, 2004, 17, 619-633.	1.9	125
14	Evaluation of different electrochemical methods on the oxidation and degradation of Reactive Blue 4 in aqueous solution. Chemosphere, 2005, 59, 431-439.	4.2	117
15	Photoelectrochemical reduction of CO2 on Cu/Cu2O films: Product distribution and pH effects. Chemical Engineering Journal, 2015, 264, 302-309.	6.6	114
16	Enhanced photoelectrocatalytic degradation of an acid dye with boron-doped TiO2 nanotube anodes. Catalysis Today, 2015, 240, 100-106.	2.2	109
17	Bisphenol A removal from wastewater using self-organized TIO2 nanotubular array electrodes. Chemosphere, 2010, 78, 569-575.	4.2	108
18	Differential toxicity of Disperse Red 1 and Disperse Red 13 in the Ames test, HepG2 cytotoxicity assay, and Daphnia acute toxicity test. Environmental Toxicology, 2011, 26, 489-497.	2.1	108

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19	Analyses of the genotoxic and mutagenic potential of the products formed after the biotransformation of the azo dye Disperse Red 1. Toxicology in Vitro, 2011, 25, 2054-2063.	1.1	107
20	Comparison of oxidation efficiency of disperse dyes by chemical and photoelectrocatalytic chlorination and removal of mutagenic activity. Electrochimica Acta, 2009, 54, 2086-2093.	2.6	104
21	A disposable electrochemical sensor for the rapid determination of levodopa. Journal of Pharmaceutical and Biomedical Analysis, 2005, 39, 54-59.	1.4	98
22	Electrochemical oxidation of an acid dye by active chlorine generated using Ti/Sn(1â^'x)Ir x O2 electrodes. Journal of Applied Electrochemistry, 2007, 37, 583-592.	1.5	93
23	Electrochemical decolorization of Rhodamine B dye: Influence of anode material, chloride concentration and current density. Journal of Environmental Chemical Engineering, 2018, 6, 2041-2047.	3.3	91
24	Simultaneous removal of chromium and leather dye from simulated tannery effluent by photoelectrochemistry. Journal of Hazardous Materials, 2009, 166, 531-537.	6.5	84
25	Chemical characterization of a dye processing plant effluentâ€"Identification of the mutagenic components. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 626, 135-142.	0.9	81
26	Highly ordered TiO2 nanotube arrays and photoelectrocatalytic oxidation of aromatic amine. Applied Catalysis B: Environmental, 2010, 99, 96-102.	10.8	80
27	Chlorination treatment of aqueous samples reduces, but does not eliminate, the mutagenic effect of the azo dyes Disperse Red 1, Disperse Red 13 and Disperse Orange 1. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 703, 200-208.	0.9	80
28	Quantifying the contribution of dyes to the mutagenicity of waters under the influence of textile activities. Science of the Total Environment, 2017, 601-602, 230-236.	3.9	79
29	Application of a Glassy Carbon Electrode Modified with Poly(Glutamic Acid) in Caffeic Acid Determination. Mikrochimica Acta, 2005, 151, 127-134.	2.5	76
30	Mutagenic Compounds Generated from the Chlorination of Disperse Azo-Dyes and Their Presence in Drinking Water. Environmental Science & Technology, 2006, 40, 6682-6689.	4.6	76
31	Determination of isoniazid in human urine using screen-printed carbon electrode modified with poly-l-histidine. Bioelectrochemistry, 2010, 77, 133-138.	2.4	75
32	Development of a voltammetric sensor for chromium(VI) determination in wastewater sample. Sensors and Actuators B: Chemical, 2007, 123, 902-908.	4.0	71
33	Development and application of an electronic tongue for detection and monitoring of nitrate, nitrite and ammonium levels in waters. Microchemical Journal, 2013, 110, 273-279.	2.3	70
34	Photoelectrocatalytic Production of Active Chlorine on Nanocrystalline Titanium Dioxide Thin-Film Electrodes. Environmental Science & Technology, 2004, 38, 3203-3208.	4.6	69
35	Fabrication of coaxial TiO2/Sb2S3 nanowire hybrids for efficient nanostructured organicâ€"inorganic thin film photovoltaics. Chemical Communications, 2012, 48, 2818.	2.2	69
36	On the application of Ti/TiO 2 /CuO n-p junction semiconductor: A case study of electrolyte, temperature and potential influence on CO 2 reduction. Chemical Engineering Journal, 2017, 318, 264-271.	6.6	67

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37	Voltammetric sensor for amoxicillin determination in human urine using polyglutamic acid/glutaraldehyde film. Sensors and Actuators B: Chemical, 2008, 133, 398-403.	4.0	66
38	A photoelectrocatalytic process that disinfects water contaminated with Mycobacterium kansasii and Mycobacterium avium. Water Research, 2013, 47, 6596-6605.	5.3	66
39	Gold nanoelectrode ensembles for direct trace electroanalysis of iodide. Analytica Chimica Acta, 2006, 575, 16-24.	2.6	64
40	Electrochemical sensors based on biomimetic magnetic molecularly imprinted polymer for selective quantification of methyl green in environmental samples. Materials Science and Engineering C, 2019, 103, 109825.	3.8	62
41	Lipophyllic antioxidants from Iryanthera juruensis fruits. Phytochemistry, 2001, 57, 437-442.	1.4	59
42	Evaluation of the photoelectrocatalytic method for oxidizing chloride and simultaneous removal of microcystin toxins in surface waters. Electrochimica Acta, 2009, 54, 2069-2076.	2.6	57
43	Chlorine disinfection of dye wastewater: Implications for a commercial azo dye mixture. Science of the Total Environment, 2013, 442, 302-309.	3.9	56
44	Synthesis and evaluation of a molecularly imprinted polymer for selective adsorption and quantification of Acid Green 16 textile dye in water samples. Talanta, 2017, 170, 244-251.	2.9	56
45	Degradation of metallophtalocyanine dye by combined processes of electrochemistry and photoelectrochemistry. Electrochimica Acta, 2005, 50, 5261-5269.	2.6	55
46	Poly(glutamic acid) nanofibre modified glassy carbon electrode: Characterization by atomic force microscopy, voltammetry and electrochemical impedance. Electrochimica Acta, 2008, 53, 3991-4000.	2.6	53
47	Combination of photoelectrocatalysis and ozonation: A novel and powerful approach applied in Acid Yellow 1 mineralization. Applied Catalysis B: Environmental, 2016, 180, 161-168.	10.8	53
48	Relation between the nature of the surface facets and the reactivity of Cu2O nanostructures anchored on TiO2NT@PDA electrodes in the photoelectrocatalytic conversion of CO2 to methanol. Applied Catalysis B: Environmental, 2020, 261, 118221.	10.8	52
49	Photoelectrocatalysis based on Ti/TiO2 nanotubes removes toxic properties of the azo dyes Disperse Red 1, Disperse Red 13 and Disperse Orange 1 from aqueous chloride samples. Journal of Environmental Management, 2013, 124, 108-114.	3.8	51
50	The photoelectrocatalytic oxidative treatment of textile wastewater containing disperse dyes. Desalination, 2009, 249, 1350-1355.	4.0	50
51	Photoelectrocatalytic Removal of Bromate Using Ti/TiO₂ Coated as a Photocathode. Environmental Science & Technology, 2009, 43, 7496-7502.	4.6	49
52	A New Si/TiO2/Pt p-n Junction Semiconductor to Demonstrate Photoelectrochemical CO2 Conversion. Electrochimica Acta, 2015, 185, 117-124.	2.6	49
53	Occurrence and risk assessment of an azo dye â€“ The case of Disperse Red 1. Chemosphere, 2016, 156, 95-100.	4.2	49
54	Photoelectrocatalytic oxidation of remazol turquoise blue and toxicological assessment of its oxidation products. Journal of Hazardous Materials, 2006, 137, 871-877.	6.5	47

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55	Voltammetric sensor for simultaneous determination of p-phenylenediamine and resorcinol in permanent hair dyeing and tap water by composite carbon nanotubes/chitosan modified electrode. Microchemical Journal, 2014, 116, 261-268.	2.3	47
56	Photoelectrocatalytic/photoelectro-Fenton coupling system using a nanostructured photoanode for the oxidation of a textile dye: Kinetics study and oxidation pathway. Chemosphere, 2015, 136, 63-71.	4.2	47
57	The oxidation of p-phenylenediamine, an ingredient used for permanent hair dyeing purposes, leads to the formation of hydroxyl radicals: Oxidative stress and DNA damage in human immortalized keratinocytes. Toxicology Letters, 2015, 239, 194-204.	0.4	46
58	A molecularly imprinted polymer-based evanescent wave fiber optic sensor for the detection of basic red 9 dye. Sensors and Actuators B: Chemical, 2015, 218, 222-228.	4.0	45
59	Electrochemical behavior and voltammetric determination of pyrazinamide using a poly-histidine modified electrode. Journal of Electroanalytical Chemistry, 2013, 690, 47-52.	1.9	44
60	Self-doped TiO2 nanotube electrodes: A powerful tool as a sensor platform for electroanalytical applications. Electrochimica Acta, 2017, 235, 527-533.	2.6	44
61	Photo-Fenton degradation of the herbicide tebuthiuron under solar irradiation: Iron complexation and initial intermediates. Water Research, 2010, 44, 3745-3753.	5.3	43
62	Influence of particle size on the photoactivity of Ti/TiO2 thin film electrodes, and enhanced photoelectrocatalytic degradation of indigo carmine dye. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 217, 259-266.	2.0	43
63	Using SPE-LC-ESI-MS/MS Analysis to Assess Disperse Dyes in Environmental Water Samples. Journal of Chromatographic Science, 2015, 53, 1257-1264.	0.7	43
64	On the application of nanostructured electrodes prepared by Ti/TiO2/WO3 â€œtemplateâ€• A case study of removing toxicity of indigo using visible irradiation. Chemosphere, 2013, 91, 586-593.	4.2	42
65	Enhanced photoabsorption properties of composites of Ti/TiO2 nanotubes decorated by Sb2S3 and improvement of degradation of hair dye. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 276, 96-103.	2.0	42
66	Assessment of several advanced oxidation processes applied in the treatment of environmental concern constituents from a real hair dye wastewater. Journal of Environmental Chemical Engineering, 2018, 6, 2794-2802.	3.3	42
67	Photoelectrocatalytic performance of nanostructured p-n junction NtTiO2/NsCuO electrode in the selective conversion of CO2 to methanol at low bias potentials. Journal of CO2 Utilization, 2018, 24, 81-88.	3.3	42
68	Silver ion release from electrodes of nanotubes of TiO2 impregnated with Ag nanoparticles applied in photoelectrocatalytic disinfection. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 278, 1-8.	2.0	40
69	The azo dye Disperse Red 13 and its oxidation and reduction products showed mutagenic potential. Toxicology in Vitro, 2015, 29, 1906-1915.	1.1	40
70	Electrochemical preparation of Cu/Cu2O-Cu(BDC) metal-organic framework electrodes for photoelectrocatalytic reduction of CO2. Journal of CO2 Utilization, 2020, 42, 101299.	3.3	40
71	Ecotoxicological risk assessment of the â€œAcid Black 210â€•dye. Toxicology, 2017, 376, 113-119.	2.0	39
72	CO₂ Reduction of Hybrid Cu₂Oâ€“Cu/Gas Diffusion Layer Electrodes and their Integration in a Cuâ€based Photoelectrocatalytic Cell. ChemSusChem, 2019, 12, 4274-4284.	3.6	39

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73	Assessment of the application of cathodic stripping voltammetry to the analysis of diazo reactive dyes and their hydrolysis products. Dyes and Pigments, 2001, 50, 211-221.	2.0	38
74	Hydrogen production and simultaneous photoelectrocatalytic pollutant oxidation using a TiO2/WO3 nanostructured photoanode under visible light irradiation. Journal of Electroanalytical Chemistry, 2016, 765, 188-196.	1.9	38
75	Evaluation of Antioxidant Capacity and Synergistic Associations of Quinonemethide Triterpenes and Phenolic Substances from Maytenus ilicifolia (Celastraceae). Molecules, 2010, 15, 6956-6973.	1.7	36
76	Assessment of the breakdown products of solar/UV induced photolytic degradation of food dye tartrazine. Food and Chemical Toxicology, 2014, 68, 307-315.	1.8	36
77	Computational and statistical modeling for parameters optimization of electrochemical decontamination of synozol red dye wastewater. Chemosphere, 2020, 253, 126673.	4.2	36
78	Regeneration of poly-?-lysine modified carbon electrodes in the accumulation and cathodic stripping voltammetric determination of the cromoglycate anion. Talanta, 2003, 60, 1023-1032.	2.9	35
79	Polarographic and voltammetric determination of selected triazine-based azo dyes with different reactive groups. Analytica Chimica Acta, 1996, 320, 31-42.	2.6	34
80	Determination of Aldehydes and Ketones in Fuel Ethanol by High-Performance Liquid Chromatography with Electrochemical Detection. Chromatographia, 2006, 63, 45-51.	0.7	34
81	Genotoxicological assessment of two reactive dyes extracted from cotton fibres using artificial sweat. Toxicology in Vitro, 2014, 28, 31-38.	1.1	34
82	The cosmetic dye quinoline yellow causes DNA damage in vitro. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2015, 777, 54-61.	0.9	34
83	The electrochemical reduction of the purines guanine and adenine at platinum electrodes in several room temperature ionic liquids. Analytica Chimica Acta, 2010, 659, 115-121.	2.6	33
84	Detection of Bisphenol A on a Screen-Printed Carbon Electrode in CTAB Micellar Medium. Analytical Letters, 2010, 43, 2823-2836.	1.0	33
85	Potential of a bacterial consortium to degrade azo dye Disperse Red 1 in a pilot scale anaerobicâ€“aerobic reactor. Process Biochemistry, 2015, 50, 816-825.	1.8	33
86	Electrodeposition of WO3 on Ti substrate and the influence of interfacial oxide layer generated in situ: A photoelectrocatalytic degradation of propyl paraben. Applied Surface Science, 2019, 464, 664-672.	3.1	33
87	Differential pulse polarographic determination of ceftazidime in urine samples with and without prior extraction. Analytica Chimica Acta, 1997, 351, 105-114.	2.6	31
88	Electroanalytical sensing of dyes and colorants. Current Opinion in Electrochemistry, 2019, 16, 134-142.	2.5	31
89	Electrochemical investigations of reactive dyes; polarographic determination of anthraquinone-based chlorotriazine dyes. Analytica Chimica Acta, 1995, 315, 41-54.	2.6	30
90	Cathodic stripping voltammetric determination of ceftazidime with reactive accumulation at a poly-l-lysine modified hanging mercury drop electrode. Analytica Chimica Acta, 1999, 384, 159-166.	2.6	30

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91	Determination of brilliant blue FCF in the presence and absence of erythrosine and quinoline yellow food colours by cathodic stripping voltammetry. Food Additives and Contaminants, 2002, 19, 803-809.	2.0	30
92	Determination of the vinylsulphone azo dye, remazol brilliant orange 3R, by cathodic stripping voltammetry. Analytica Chimica Acta, 1999, 385, 385-392.	2.6	29
93	Behavior of bromide in the photoelectrocatalytic process and bromine generation using nanoporous titanium dioxide thin-film electrodes. Chemosphere, 2004, 54, 969-974.	4.2	29
94	Contribution of thin films of ZrO2 on TiO2 nanotubes electrodes applied in the photoelectrocatalytic CO2 conversion. Journal of CO2 Utilization, 2018, 25, 254-263.	3.3	29
95	Effect of Cu(BDC-NH2) MOF deposited on Cu/Cu2O electrode and its better performance in photoelectrocatalytic reduction of CO2. Journal of Electroanalytical Chemistry, 2021, 880, 114856.	1.9	29
96	Synthesis and characterization of a novel series of meso (nitrophenyl) and meso (carboxyphenyl) substituted porphyrins. Journal of the Brazilian Chemical Society, 2000, 11, 458-466.	0.6	28
97	Flow injection amperometric determination of procaine in pharmaceutical formulation using a screen-printed carbon electrode. Journal of Pharmaceutical and Biomedical Analysis, 2007, 43, 315-319.	1.4	28
98	Inactivation and disposal of by-products from Mycobacterium smegmatis by photoelectrocatalytic oxidation using Ti/TiO2-Ag nanotube electrodes. Electrochimica Acta, 2012, 85, 33-41.	2.6	28
99	Influence of auxochrome group in disperse dyes bearing azo groups as chromophore center in the biotransformation and molecular docking prediction by reductase enzyme: Implications and assessment for environmental toxicity of xenobiotics. Ecotoxicology and Environmental Safety, 2018, 160, 114-126.	2.9	28
100	CYP-450 isoenzymes catalyze the generation of hazardous aromatic amines after reaction with the azo dye Sudan III. Food and Chemical Toxicology, 2013, 57, 217-226.	1.8	27
101	Electrochemical investigations of reactive dyes; cathodic stripping voltammetric determination of anthraquinone-based chlorotriazine dyes at a hanging mercury drop electrode. Analytica Chimica Acta, 1997, 349, 101-109.	2.6	26
102	Efficient treatment of swimming pool water by photoelectrocatalytic ozonation: Inactivation of Candida parapsilosis and mineralization of Benzophenone-3 and urea. Chemical Engineering Journal, 2019, 378, 122094.	6.6	26
103	Sandwich Nylon/stainless-steel/WO3 membrane for the photoelectrocatalytic removal of Reactive Red 120 dye applied in a flow reactor. Separation and Purification Technology, 2020, 237, 116338.	3.9	26
104	Assessment of p-aminophenol oxidation by simulating the process of hair dyeing and occurrence in hair salon wastewater and drinking water from treatment plant. Journal of Hazardous Materials, 2020, 387, 122000.	6.5	26
105	An updated review of metalâ€“organic framework materials in photo(electro)catalytic applications: From CO2 reduction to wastewater treatments. Current Opinion in Electrochemistry, 2021, 26, 100669.	2.5	26
106	Red disperse dyes (DR 60, DR 73 and DR 78) at environmentally realistic concentrations impact biochemical profile of early life stages of zebrafish (Danio rerio). Chemico-Biological Interactions, 2018, 292, 94-100.	1.7	25
107	Polarographic and voltammetric determination of triazine-based reactive azo dyes with 4-carboxypyridyl and 1,4-diazabicyclo[2,2,2]octanyl (DABCO) leaving groups. Analytica Chimica Acta, 1998, 362, 235-240.	2.6	24
108	Removal of sunscreen compounds from swimming pool water using self-organized TiO2 nanotubular array electrodes. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 214, 257-263.	2.0	24

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109	Ag/polydopamine-modified Ti/TiO2 nanotube arrays: A platform for enhanced CO2 photoelectroreduction to methanol. Journal of CO2 Utilization, 2019, 34, 596-605.	3.3	24
110	Indirect polarographic and cathodic stripping voltammetric determination of cefaclor as an alkaline degradation product. Journal of Pharmaceutical and Biomedical Analysis, 1999, 21, 497-505.	1.4	23
111	Antioxidant flavan-3-ols and flavonol glycosides fromMaytenus aquifolium. Phytotherapy Research, 2003, 17, 913-916.	2.8	23
112	Voltammetric sensing of the fuel dye marker Solvent Blue 14 by screen-printed electrodes. Sensors and Actuators B: Chemical, 2009, 138, 257-263.	4.0	23
113	Mutagenic activity removal of selected disperse dye by photoeletrocatalytic treatment. Journal of Applied Electrochemistry, 2010, 40, 485-492.	1.5	23
114	Effect of Ionic Liquid on the Determination of Aromatic Amines as Contaminants in Hair Dyes by Liquid Chromatography Coupled to Electrochemical Detection. Molecules, 2012, 17, 7961-7979.	1.7	23
115	Adsorptive stripping voltammetry for simultaneous determination of hydrochlorothiazide and triamterene in hemodialysis samples using a multi-walled carbon nanotube-modified glassy carbon electrode. Talanta, 2018, 179, 652-657.	2.9	23
116	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.	1.3	23
117	Photoelectrodes of Cu2O with interfacial structure of topological insulator Bi2Se3 contributes to selective photoelectrocatalytic reduction of CO2 towards methanol. Journal of CO2 Utilization, 2020, 39, 101154.	3.3	23
118	Combined photoelectrocatalytic/electro-Fenton process using a Pt/TiO 2 NTs photoanode for enhanced degradation of an azo dye: A mechanistic study. Journal of Electroanalytical Chemistry, 2014, 734, 43-52.	1.9	22
119	The great performance of TiO2 nanotubes electrodes modified by copper(II)porphyrin in the reduction of carbon dioxide to alcohol. Journal of CO2 Utilization, 2020, 41, 101261.	3.3	22
120	Analysis of Aromatic Amines in Surface Waters Receiving Wastewater from a Textile Industry by Liquid Chromatographic with Electrochemical Detection. Analytical Letters, 2006, 39, 2671-2685.	1.0	21
121	Multifunctional antitumor magnetite/chitosan-l-glutamic acid (core/shell) nanocomposites. Journal of Nanoparticle Research, 2011, 13, 4311-4323.	0.8	21
122	Bubble annular photoeletrocatalytic reactor with TiO2 nanotubes arrays applied in the textile wastewater. Journal of Environmental Chemical Engineering, 2015, 3, 1177-1184.	3.3	21
123	Combining different assays and chemical analysis to characterize the genotoxicity of waters impacted by textile discharges. Environmental and Molecular Mutagenesis, 2016, 57, 559-571.	0.9	21
124	Assessment of the autoxidation mechanism of p-toluenediamine by air and hydrogen peroxide and determination of mutagenic environmental contaminant in beauty salon effluent. Science of the Total Environment, 2019, 685, 911-922.	3.9	21
125	Turning carbon dioxide into fuel concomitantly to the photoanode-driven process of organic pollutant degradation by photoelectrocatalysis. Electrochimica Acta, 2019, 306, 277-284.	2.6	21
126	EletroanÃ¡lise de corantes alimentÃcios: determinaÃ§Ã£o de Ãndigo carmim e tartrazina. Ecletica Quimica, 2001, 26, 53-68.	0.2	21

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127	Cathodic Stripping Voltammetric Determination of Ceftazidime in Urine at a Hanging Mercury Drop Electrode. Microchemical Journal, 1997, 57, 115-122.	2.3	20
128	Indirect cathodic-stripping voltammetric determination of ceftazidime as a mercury salt. Analytica Chimica Acta, 1998, 367, 255-259.	2.6	20
129	Preconcentration of Rutin at a Poly Glutamic Acid Modified Electrode and its Determination by Square Wave Voltammetry. Analytical Letters, 2007, 40, 3430-3442.	1.0	20
130	Effectiveness of photoelectrocatalysis treatment for the inactivation of Candida parapsilosis sensu stricto in planktonic cultures and biofilms. Applied Catalysis A: General, 2016, 511, 149-155.	2.2	20
131	An Artificial Photosynthesis System Based on Ti/TiO2 Coated with Cu(II) Aspirinate Complex for CO2 Reduction to Methanol. Electrocatalysis, 2017, 8, 279-287.	1.5	20
132	A square-wave voltammetric method for analysing the colour marker quinizarine in petrol and diesel fuels. Dyes and Pigments, 2007, 74, 566-571.	2.0	19
133	A simple electroanalytical method for the analysis of the dye solvent orange 7 in fuel ethanol. Fuel, 2009, 88, 105-109.	3.4	19
134	Experimental design as a tool for parameter optimization of photoelectrocatalytic degradation of a textile dye. Journal of Environmental Chemical Engineering, 2019, 7, 103264.	3.3	19
135	Determination of Iodide and Idoxuridine at a Glutaraldehyde-Cross-Linked Poly-L-Lysine Modified Glassy Carbon Electrode. Electroanalysis, 2005, 17, 1309-1316.	1.5	18
136	Enhancement of voltammetric determination of quinizarine based on the adsorption at surfactant-adsorbed-layer in disposable electrodes. Fuel, 2014, 136, 201-207.	3.4	18
137	Nanoporous of W/WO3 Thin Film Electrode Grown by Electrochemical Anodization Applied in the Photoelectrocatalytic Oxidation of the Basic Red 51 used in Hair Dye. Journal of the Brazilian Chemical Society, 2011, 22, 718-725.	0.6	17
138	Modification of Glassy Carbon Electrodes with a Poly-L-Lysine/Glutaraldehyde Film. Electroanalysis, 2004, 16, 1439-1443.	1.5	16
139	Structural Effects of Nanotubes, Nanowires, and Nanoporous Ti/TiO₂Electrodes on Photoelectrocatalytic Oxidation of 4,4-Oxydianiline. Separation Science and Technology, 2010, 45, 1628-1636.	1.3	16
140	Photoelectrocatalytic oxidation of hair dye basic red 51 at W/WO3/TiO2 bicomposite photoanode activated by ultraviolet and visible radiation. Journal of Environmental Chemical Engineering, 2013, 1, 194-199.	3.3	16
141	Appraisal of photoelectrocatalytic oxidation of glucose and production of high value chemicals on nanotube Ti/TiO2 electrode. Electrochimica Acta, 2016, 222, 123-132.	2.6	16
142	Identification of biotransformation products of disperse dyes with rat liver microsomes by LC-MS/MS and theoretical studies with DNA: Structure-mutagenicity relationship using Salmonella/microsome assay. Science of the Total Environment, 2018, 613-614, 1093-1103.	3.9	16
143	Artificial photosynthesis for alcohol and 3-C compound formation using BiVO4-lamelar catalyst. Journal of CO2 Utilization, 2020, 36, 187-195.	3.3	16
144	Rapid and sensitive method for the determination of acetaldehyde in fuel ethanol by high-performance liquid chromatography with UVâ€“Vis detection. Analytical and Bioanalytical Chemistry, 2005, 381, 1619-1624.	1.9	15

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145	Electrochemical Oxidation and Voltammetric Determination of the Antimalaria Drug Primaquine. Analytical Letters, 2005, 38, 1415-1425.	1.0	15
146	Squareâ€Wave Voltammetry Applied to the Analysis of the Dye Marker, Solvent Blue 14, in Kerosene and Fuel Alcohol. Electroanalysis, 2007, 19, 1901-1907.	1.5	15
147	Advances in photoelectroreduction of CO2 to hydrocarbons fuels: Contributions of functional materials. Journal of CO2 Utilization, 2022, 55, 101810.	3.3	15
148	Electrochemical reduction and determination of Cibacron Blue F3GA at poly-l-lysine modified glassy carbon electrode. Dyes and Pigments, 2006, 71, 145-152.	2.0	14
149	Voltammetric Sensor for Sodium Nitroprusside Determination in Biological Fluids Using Films of Poly-L-Lysine. Electroanalysis, 2007, 19, 993-998.	1.5	14
150	Enhancement of Photoelectrocatalysis Efficiency by Using Nanostructured Electrodes. , 0, , .		14
151	Genotoxic permanent hair dye precursors p-aminophenol and p-toluenediamine electrochemical oxidation mechanisms and evaluation in biological fluids. Journal of Electroanalytical Chemistry, 2020, 857, 113509.	1.9	14
152	Application of voltammetric technique to the analysis of indanthrene dye in alkaline solution. Dyes and Pigments, 2006, 68, 19-25.	2.0	13
153	Preparation of FTO/CU2O Electrode Protected by PEDOT:PSS and Its Better Performance in the Photoelectrocatalytic Reduction of CO2 to Methanol. Electrocatalysis, 2020, 11, 546-554.	1.5	13
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