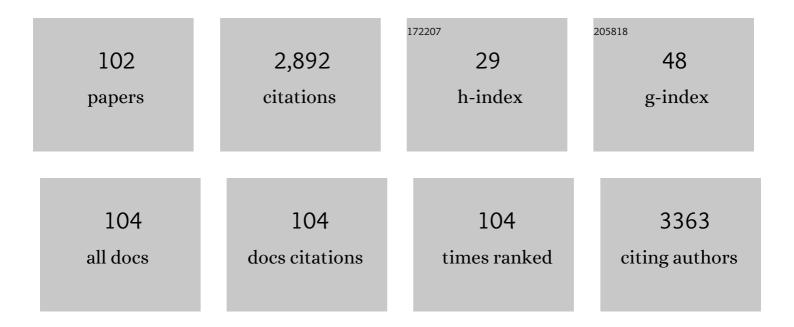
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Voltammetric and spectrophotometric studies of toxic disinfection by-product 2,6-dichloro-1,4-benzoquinone and its behavior with DNA. Chemical Papers, 2022, 76, 575-583.	1.0	2
2	Rapid and sensitivity determination of macrolides antibiotics using disposable electrochemical sensor based on Super P carbon black and chitosan composite. Microchemical Journal, 2022, 172, 106939.	2.3	17
3	Nanoengineering of Catalysts for Enhanced Hydrogen Production. Hydrogen, 2022, 3, 218-254.	1.7	11
4	Development of magnetic nanoparticles modified with new molecularly imprinted polymer (MIPs) for selective analysis of glutathione. Sensors and Actuators B: Chemical, 2021, 344, 130171.	4.0	16
5	Monitoring of CO Binding Sites on Stepped Pt Single Crystal Electrodes in Alkaline Solutions by in Situ FTIR Spectroscopy. Langmuir, 2020, 36, 704-714.	1.6	7
6	Identity of the Most and Least Active Sites for Activation of the Pathways for CO ₂ Formation from the Electro-oxidation of Methanol and Ethanol on Platinum. ACS Catalysis, 2020, 10, 543-555.	5.5	18
7	Surface Defects as Ingredients That Can Improve or Inhibit the Pathways for CO Oxidation at Low Overpotentials Using Pt(111)-Type Catalysts. Journal of Physical Chemistry C, 2020, 124, 26583-26595.	1.5	6
8	Batch injection analysis with electrochemical detection for the simultaneous determination of the diuretics furosemide and hydrochlorothiazide in synthetic urine and pharmaceutical samples. Microchemical Journal, 2020, 157, 105027.	2.3	19
9	Flow-through amperometric determination of ampicillin using a copper electrode in a batch injection analysis system. Measurement: Journal of the International Measurement Confederation, 2020, 155, 107516.	2.5	15
10	Flow-through amperometric methods for detection of the bioactive compound quercetin: performance of glassy carbon and screen-printed carbon electrodes. Journal of Solid State Electrochemistry, 2020, 24, 1759-1768.	1.2	4
11	Electrochemical behaviour of anticancer drug lomustine and in situ evaluation of its interaction with DNA. Journal of Pharmaceutical and Biomedical Analysis, 2019, 176, 112786.	1.4	13
12	Determination of the catechin contents of bioactive plant extracts using disposable screen-printed carbon electrodes in a batch injection analysis (BIA) system. Microchemical Journal, 2019, 146, 1249-1254.	2.3	19
13	A fast, direct, and sensitive analysis method for catechin determination in green tea by batch injection analysis with multiple-pulse amperometry (BIA-MPA). Analytical Methods, 2018, 10, 2034-2040.	1.3	18
14	Palladium-platinum electrocatalysts for the ethanol oxidation reaction: comparison of electrochemical activities in acid and alkaline media. Journal of Solid State Electrochemistry, 2018, 22, 1471-1481.	1.2	28
15	Oxygen reduction electrocatalysis on transition metal-nitrogen modified tungsten carbide nanomaterials. Journal of Electroanalytical Chemistry, 2018, 810, 222-231.	1.9	23
16	Bioactivity and properties of an adhesive system functionalized with an experimental niobium-based glass. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 78, 188-195.	1.5	28
17	Photoelectrochemical determination of tert-butylhydroquinone in edible oil samples employing CdSe/ZnS quantum dots and LiTCNE. Food Chemistry, 2017, 227, 16-21.	4.2	23
18	Density functional theory study of interactions between carbon monoxide and iron tetraaza macrocyclic complexes, FeTXTAA (X = â^'Cl, â^'OH, â^'OCH3, â^'NH2, and –NO2). Journal of Molecular Modeling, 2017, 23, 64.	0.8	1

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19	Nickel–palladium electrocatalysts for methanol, ethanol, and glycerol oxidation reactions. International Journal of Hydrogen Energy, 2017, 42, 16118-16126.	3.8	63
20	Nonuniform Synergistic Effect of Sn and Ru in Site-Specific Catalytic Activity of Pt at Bimetallic Surfaces toward CO Electro-oxidation. ACS Catalysis, 2017, 7, 3434-3445.	5.5	33
21	Electrochemical oxidation of the antitumor antibiotic mitomycin C and in situ evaluation of its interaction with DNA using a DNA-electrochemical biosensor. Microchemical Journal, 2017, 133, 81-89.	2.3	19
22	Site-specific catalytic activity of model platinum surfaces in different electrolytic environments as monitored by the CO oxidation reaction. Journal of Catalysis, 2017, 345, 216-227.	3.1	20
23	Removal of Remazol brilliant violet textile dye by adsorption using rice hulls. Polimeros, 2017, 27, 16-26.	0.2	24
24	Electroanalysis of Hydrazine and Related Compounds by Oxidation Promoted with MN4 Macrocyclics. , 2016, , 201-223.		3
25	Development of a new procedure for the determination of captopril in pharmaceutical formulations employing chemiluminescence and a multicommuted flow analysis approach. Luminescence, 2016, 31, 288-294.	1.5	10
26	Theoretical study of the interaction between molecular oxygen and tetraaza macrocyclic manganese complexes. Journal of Molecular Modeling, 2016, 22, 217.	0.8	7
27	Sensitive Electroanalytical Detection on GCE: the Case of Lipoic Acid and its Interaction with <i>N</i> â€acetylcysteine and Glutathione. Electroanalysis, 2016, 28, 2818-2826.	1.5	5
28	Fast quantification of α-lipoic acid in biological samples and dietary supplements using batch injection analysis with amperometric detection. Talanta, 2016, 154, 249-254.	2.9	26
29	A glassy carbon electrode modified with an iron N4-macrocycle and reduced graphene oxide for voltammetric sensing of dissolved oxygen. Mikrochimica Acta, 2016, 183, 1251-1259.	2.5	16
30	AUTOMATIC PROCEDURE FOR SPECTROPHOTOMETRIC DETERMINATION OF HYDROQUINONE EMPLOYING MULTICOMMUTATION FLOW IN ANALYSIS SYSTEM. Quimica Nova, 2016, , .	0.3	0
31	Ultrasensitive Biosensor for Detection of Organophosphorus Pesticides Based on a Macrocycle Complex/Carbon Nanotubes Composite and 1-Methyl-3-octylimidazolium Tetrafluoroborate as Binder Compound. Analytical Sciences, 2015, 31, 29-35.	0.8	14
32	Use of Direct Current Resistivity Measurements to Assess AISI 304 Austenitic Stainless Steel Sensitization. Materials Research, 2015, 18, 341-346.	0.6	7
33	Theoretical study of dibenzotetraaza[14]annulene complexes with first row transition metals. Computational and Theoretical Chemistry, 2015, 1054, 93-99.	1.1	15
34	Development of a Procedure Based on Chemiluminescence and Multicommutation Approach for the Determination of Folic Acid in Pharmaceuticals. Journal of the Brazilian Chemical Society, 2015, , .	0.6	0
35	Evaluation of pH, ultimate tensile strength, and micro-shear bond strength of two self-adhesive resin cements. Brazilian Oral Research, 2014, 28, 1-7.	0.6	12
36	CO bonding in FeN4 complexes and the effect of the macrocycle ligand: A DFT study. Polyhedron, 2014, 67, 36-43.	1.0	11

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37	Quantum chemical DFT study of the interaction between molecular oxygen and FeN4 complexes, and effect of the macrocyclic ligand. Journal of Molecular Modeling, 2014, 20, 2131.	0.8	9
38	A Novel Sensor Based on Manganese azoâ€Macrocycle/Carbon Nanotubes to Perform the Oxidation and Reduction Processes of Two Diphenol Isomers. Electroanalysis, 2014, 26, 602-611.	1.5	9
39	Determination of α‣ipoic acid on a Pyrolytic Graphite Electrode Modified with Cobalt Phthalocyanine. Electroanalysis, 2014, 26, 2138-2144.	1.5	22
40	Effect of different times of solvent evaporation and pH in two self-etching adhesive systems on the shear bond strength of metallic orthodontic brackets. International Journal of Adhesion and Adhesives, 2014, 50, 223-227.	1.4	6
41	In situ immobilization of nickel(II) phthalocyanine on mesoporous SiO2/C carbon ceramic matrices prepared by the sol–gel method: Use in the simultaneous voltammetric determination of ascorbic acid and dopamine. Electrochimica Acta, 2013, 87, 140-147.	2.6	36
42	Anodic Stripping Voltammetric Determination of Lead (II) and Cadmium (II) by Using a Carbon Nanotubes Paste Electrode Modified with Ion Exchange Synthetic Resin. Current Analytical Chemistry, 2012, 8, 520-527.	0.6	8
43	Microcystin-LR and chemically degraded microcystin-LR electrochemical oxidation. Analyst, The, 2012, 137, 1904.	1.7	17
44	Quantification of N-acetylcysteine in pharmaceuticals using cobalt phthalocyanine modified graphite electrodes. Talanta, 2011, 83, 1701-1706.	2.9	30
45	A hemin-based molecularly imprinted polymer (MIP) grafted onto a glassy carbon electrode as a selective sensor for 4-aminophenol amperometric. Sensors and Actuators B: Chemical, 2011, 152, 220-225.	4.0	65
46	About the SDS inclusion in PDMS/TEOS ORMOSIL: a vibrational spectroscopy and confocal Raman scattering study. Journal of Raman Spectroscopy, 2011, 42, 1601-1605.	1.2	17
47	Studies of the Electrochemical Degradation of Acetaminophen Using a Real-Time Biomimetic Sensor. Electroanalysis, 2011, 23, 2616-2621.	1.5	7
48	On the apparent lack of preferential site occupancy and electrooxidation of CO adsorbed at low coverage onto stepped platinum surfaces. Electrochemistry Communications, 2011, 13, 338-341.	2.3	20
49	Dissolved oxygen amperometric sensor based on layer-by-layer assembly using host–guest supramolecular interactions. Analytica Chimica Acta, 2010, 664, 144-150.	2.6	42
50	The electrocatalytic activity of a supramolecular assembly of CoTsPc/FeT4MPyP on multi-walled carbon nanotubes towards L-glutathione, and its determination in human erythrocytes. Mikrochimica Acta, 2010, 171, 169-178.	2.5	18
51	lonic properties of an organic–inorganic sol–gel hybrid based on polydimethylsiloxane and tetraethoxysilane doped with sodium dodecyl sulfate. Journal of Applied Polymer Science, 2010, 115, 851-854.	1.3	3
52	Desenvolvimento de conjunto membrana-eletrodos para célula a combustÃvel de metanol direto passiva. Quimica Nova, 2010, 33, 1313-1319.	0.3	1
53	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
54	Flow injection analysis of paracetamol using a biomimetic sensor as a sensitive and selective amperometric detector. Analytical Methods, 2010, 2, 507.	1.3	21

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55	Development of an electroactive layer-by-layer assembly based on host–guest supramolecular interactions. Journal of Electroanalytical Chemistry, 2010, 639, 36-42.	1.9	5
56	Manganese phthalocyanine as a biomimetic electrocatalyst for phenols in the development of an amperometric sensor. Journal of the Brazilian Chemical Society, 2009, 20, 1180-1187.	0.6	26
57	Determination of nitrite in food samples by anodic voltammetry using a modified electrode. Food Chemistry, 2009, 113, 1206-1211.	4.2	123
58	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.	1.7	5
59	Alternating Layers of Iron(III) Tetra(<i>N</i> â€methylâ€4â€pyridyl)â€porphyrin and Copper Tetrasulfonated Phthalocyanine for Amperometric Detection of 4â€Nitrophenol in Nanomolar Levels. Electroanalysis, 2008, 20, 2333-2339.	1.5	12
60	A highly sensitive amperometric sensor for oxygen based on iron(II) tetrasulfonated phthalocyanine and iron(III) tetra-(N-methyl-pyridyl)-porphyrin multilayers. Analytica Chimica Acta, 2008, 612, 29-36.	2.6	33
61	Electrocatalytic activity of 2,3,5,6-tetrachloro-1,4-benzoquinone/multi-walled carbon nanotubes immobilized on edge plane pyrolytic graphite electrode for NADH oxidation. Electrochimica Acta, 2008, 53, 4706-4714.	2.6	26
62	Amperometric sensor for nitrite based on copper tetrasulphonated phthalocyanine immobilized with poly-l-lysine film. Talanta, 2008, 75, 333-338.	2.9	40
63	Electrocatalysis of reduced l-glutathione oxidation by iron(III) tetra-(N-methyl-4-pyridyl)-porphyrin (FeT4MPyP) adsorbed on multi-walled carbon nanotubes. Talanta, 2008, 76, 1097-1104.	2.9	28
64	Electrochemical sensor highly selective for estradiol valerate determination based on a modified carbon paste with iron tetrapyridinoporphyrazine. Analyst, The, 2008, 133, 1692.	1.7	25
65	Electrocatalytic Oxidation and Voltammetric Determination of Hydrazine in Industrial Boiler Feed Water Using a Cobalt Phthalocyanine-modified Electrode. Analytical Letters, 2008, 41, 1010-1021.	1.0	39
66	Construction and application of an electrochemical sensor for paracetamol determination based on iron tetrapyridinoporphyrazine as a biomimetic catalyst of P450 enzyme. Journal of the Brazilian Chemical Society, 2008, 19, 734-743.	0.6	17
67	Electrocatalytic oxidation of hydrazine in alkaline media promoted by iron tetrapyridinoporphyrazine adsorbed on graphite surface. Journal of the Brazilian Chemical Society, 2008, 19, 720-726.	0.6	36
68	5-(4-pyridinyl)-1,3,4-oxadiazole-2-thiol on gold: SAM Formation and electroactivity. Journal of the Brazilian Chemical Society, 2008, 19, 711-719.	0.6	11
69	Electrocatalytic determination of reduced glutathione in human erythrocytes. Analytical and Bioanalytical Chemistry, 2007, 387, 1891-1897.	1.9	26
70	Voltammetric detection of paraquat pesticide on a phthalocyanine-based pyrolitic graphite electrode. Analytical and Bioanalytical Chemistry, 2007, 388, 1907-1914.	1.9	52
71	Electrooxidation of isotope-labeled ethanol: a FTIRS study. Journal of Solid State Electrochemistry, 2007, 11, 1465-1469.	1.2	20
72	Acetaldehyde electrooxidation: The influence of concentration on the yields of parallel pathways. Journal of Electroanalytical Chemistry, 2007, 600, 236-242.	1.9	45

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73	Amperometric sensor for nitrite using a glassy carbon electrode modified with alternating layers of iron(III) tetra-(N-methyl-4-pyridyl)-porphyrin and cobalt(II) tetrasulfonated phthalocyanine. Talanta, 2006, 70, 588-594.	2.9	102
74	Cobalt tetrasulphonated phthalocyanine immobilized on poly-l-lysine film onto glassy carbon electrode as amperometric sensor for cysteine. Journal of Pharmaceutical and Biomedical Analysis, 2006, 42, 184-191.	1.4	34
75	Dissolved oxygen sensor based on cobalt tetrasulphonated phthalocyanine immobilized in poly-l-lysine film onto glassy carbon electrode. Sensors and Actuators B: Chemical, 2006, 114, 1019-1027.	4.0	74
76	Investigations of nanometric films of doped polyaniline by using electrochemical surface plasmon resonance and electrochemical quartz crystal microbalance. Journal of Electroanalytical Chemistry, 2006, 589, 70-81.	1.9	17
77	Effects of solution heat treatment on grain growth and degree of sensitization of AISI 321 austenitic stainless steel. Journal of Materials Science, 2006, 41, 2381-2386.	1.7	18
78	FIA-potentiometry in the sub-Nernstian response region for rapid and direct chloride assays in milk and in coconut water. Talanta, 2005, 67, 651-657.	2.9	31
79	Tris (2,2′-bipyridil) copper (II) chloride complex: a biomimetic tyrosinase catalyst in the amperometric sensor construction. Electrochimica Acta, 2003, 48, 855-865.	2.6	60
80	Iron(iii) tetra-(N-methyl-4-pyridyl)-porphyrin as a biomimetic catalyst of horseradish peroxidase on the electrode surface: An amperometric sensor for phenolic compound determinations. Analyst, The, 2003, 128, 255-259.	1.7	37
81	Self-assembled monolayers formed by [M(CN)5(pyS)]4â^'(M = Fe, Ru) on gold: a comparative study on stability and efficiency to assess the cyt c heterogeneous electron transfer reaction. Dalton Transactions, 2003, , 2231-2236.	1.6	18
82	Development of an enzymeless biosensor for the determination of phenolic compounds. Analytica Chimica Acta, 2002, 455, 215-223.	2.6	65
83	Development of an amperometric sensor for phenol compounds using a Nafion® membrane doped with copper dipyridyl complex as a biomimetic catalyst. Journal of Electroanalytical Chemistry, 2002, 536, 71-81.	1.9	40
84	Anodic oxidation of cysteine catalysed by nickel tetrasulphonated phthalocyanine immobilized on silica gel modified with titanium (IV) oxide. Electrochimica Acta, 1998, 43, 1665-1673.	2.6	61
85	Electrochemical Sensor for Hydrazine Based on Silica Modified with Nickel Tetrasulfonated Phthalocyanine. Electroanalysis, 1998, 10, 111-115.	1.5	63
86	Study of Oxygen Reduction Reaction in Sulfuric Acid on Thin Porous Electrodes Composed of Carbon and Platinum. Electrochemistry, 1996, 64, 436-442.	0.3	10
87	Electrochemical Properties of Iron Phthalocyanine Immobilized on Titanium(IV) Oxide Coated on Silica Gel Surface. Langmuir, 1995, 11, 1009-1013.	1.6	51
88	Underpotential deposition of lead on polycrystalline platinum and its influence on the oxygen reduction reaction. Electrochimica Acta, 1994, 39, 2591-2597.	2.6	20
89	Investigation of iron phthalocyanine modified polypyrrole electrodes by in situ uv—visible differential reflectance spectroscopy. Electrochimica Acta, 1994, 39, 889-898.	2.6	16
90	Application of the Floodedâ€Agglomerate Model to Study Oxygen Reduction on Thin Porous Coating Rotating Disk Electrode. Journal of the Electrochemical Society, 1994, 141, 431-436.	1.3	60

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91	Electrocatalytic activity of metal phthalocyanines for oxygen reduction. Journal of Electroanalytical Chemistry, 1992, 339, 13-30.	1.9	285
92	Underpotential deposition of cadmium on polycrystalline platinum and its influence in the oxygen reduction reaction. Electrochimica Acta, 1992, 37, 2559-2564.	2.6	9
93	Underpotential deposition of copper and its influence in the oxygen reduction on platinum. Electrochimica Acta, 1991, 36, 1325-1331.	2.6	52
94	A Project for the Electrochemical Production and Utilization of Hydrogen in Brazil. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 1989, 11, 53-58.	0.5	4
95	Oxygen reduction on adsorbed iron tetrapyridinoporphyrazine. Materials Chemistry and Physics, 1989, 22, 431-456.	2.0	43
96	Synthesis and structural and theoretical characterization of a nickel(0) complex of tribenzocyclyne (TBC) and the preparation of a novel organometallic conductor. Organometallics, 1989, 8, 2089-2098.	1.1	57
97	Free radical coupling reactions of organoiron complexes: electrochemical studies and preliminary cross coupling experiments. Journal of the Chemical Society Chemical Communications, 1987, , 155.	2.0	19
98	Spectroscopic and electrochemical studies of transition-metal tetrasulfonated phthalocyanines. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 229, 285-296.	0.3	17
99	Transition metal macrocycles supported on high area carbon: Pyrolysis—mass spectrometry studies. Electrochimica Acta, 1986, 31, 1247-1258.	2.6	134
100	Mechanistic studies of the hydrogen evolution reaction on tungsten under water electrolysis conditions. International Journal of Hydrogen Energy, 1986, 11, 455-458.	3.8	5
101	The hydrogen evolution reaction on mild steel and nickel-iron codeposits in alkaline media. International Journal of Hydrogen Energy, 1984, 9, 689-693.	3.8	22
102	Electrochemical Behavior of Unusual Dimeric Flavonoids Isolated from Fridericia platyphylla. Journal of the Brazilian Chemical Society, 0, , .	0.6	0