

# Fethi Bedioui

## List of Publications by Citations

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250  
papers

8,697  
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52  
h-index

81  
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265  
ext. papers

9,164  
ext. citations

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5.92  
L-index

#	Paper	IF	Citations
250	Metallophthalocyanine-based molecular materials as catalysts for electrochemical reactions. <i>Coordination Chemistry Reviews</i> , <b>2010</b> , 254, 2755-2791	23.2	417
249	Zeolite-encapsulated and clay-intercalated metal porphyrin, phthalocyanine and Schiff-base complexes as models for biomimetic oxidation catalysts: an overview. <i>Coordination Chemistry Reviews</i> , <b>1995</b> , 144, 39-68	23.2	366
248	Electrochemical Nitric Oxide Sensors for Biological Samples [Principle, Selected Examples and Applications. <i>Electroanalysis</i> , <b>2003</b> , 15, 5-18	3	213
247	Immobilization of metalloporphyrins in electropolymerized films: design and applications. <i>Accounts of Chemical Research</i> , <b>1995</b> , 28, 30-36	24.3	213
246	Electrocatalytic oxidation of nitrite on a vitreous carbon electrode modified with cobalt phthalocyanine. <i>Electrochimica Acta</i> , <b>2002</b> , 47, 1489-1494	6.7	197
245	Photoinduced intramolecular electron transfer in ruthenium and osmium polyads: insights from theory. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10763-77	16.4	195
244	Synthesis and Characterization of Cobalt Complex Functionalized MCM-41. <i>Chemistry of Materials</i> , <b>1997</b> , 9, 61-67	9.6	165
243	Selective and sensitive electrochemical measurement of nitric oxide in aqueous solution: discussion and new results. <i>Journal of Electroanalytical Chemistry</i> , <b>1995</b> , 392, 85-89	4.1	131
242	Zeolite encapsulated cobalt(II) and copper(II) perfluorophthalocyanines. Synthesis and characterization. <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 67-72	5.1	128
241	The enzyme-like catalytic activity of cerium oxide nanoparticles and its dependency on Ce surface area concentration. <i>Nanoscale</i> , <b>2018</b> , 10, 6971-6980	7.7	124
240	Electro-oxidation of 2-mercaptoethanol on adsorbed monomeric and electropolymerized cobalt tetra-aminophthalocyanine films. Effect of film thickness. <i>Journal of Electroanalytical Chemistry</i> , <b>2001</b> , 497, 75-83	4.1	121
239	Oxidations catalyzed by zeolite ship-in-a-bottle complexes. <i>Applied Catalysis A: General</i> , <b>1996</b> , 143, 159-173	7.3	119
238	New electropolymerized nickel porphyrin films. Application to the detection of nitric oxide in aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , <b>1996</b> , 408, 261-265	4.1	114
237	Carbon nanotubes, phthalocyanines and porphyrins: attractive hybrid materials for electrocatalysis and electroanalysis. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 2201-14	1.3	106
236	Electrochemical nitric oxide microsensors: sensitivity and selectivity characterisation. <i>Analytica Chimica Acta</i> , <b>2000</b> , 411, 175-185	6.6	105
235	Tuning the redox properties of metalloporphyrin- and metallophthalocyanine-based molecular electrodes for the highest electrocatalytic activity in the oxidation of thiols. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 3383-96	3.6	104
234	Electrochemical sensors based on carbon nanomaterials for acetaminophen detection: A review. <i>Analytica Chimica Acta</i> , <b>2015</b> , 886, 16-28	6.6	101

233	Electroreduction of nitrite by hemin, myoglobin and hemoglobin in surfactant films. <i>Journal of Electroanalytical Chemistry</i> , <b>2001</b> , 497, 106-113	4.1	89
232	Elaboration and use of nickel planar macrocyclic complex-based sensors for the direct electrochemical measurement of nitric oxide in biological media. <i>Biosensors and Bioelectronics</i> , <b>1997</b> , 12, 205-12	11.8	87
231	Synthesis, spectral and electrochemical properties of a new family of pyrrole substituted cobalt, iron, manganese, nickel and zinc phthalocyanine complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2003</b> , 07, 508-520	1.8	81
230	Improvement in the performance of a nickel complex-based electrochemical sensor for the detection of nitric oxide in solution. <i>Sensors and Actuators B: Chemical</i> , <b>1999</b> , 56, 1-5	8.5	80
229	Electropolymerized nickel macrocyclic complex-based films: design and electrocatalytic application. <i>Journal of Materials Chemistry</i> , <b>1997</b> , 7, 923-928		78
228	A new class of functionalized terpyridyl ligands as building blocks for photosensitized supramolecular architectures. Synthesis, structural, and electronic characterizations. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 1364-77	16.4	76
227	Electrochemical and spectrophotometric study of the behavior of electropolymerized nickel porphyrin films in the determination of nitric oxide in solution. <i>Talanta</i> , <b>1996</b> , 43, 303-11	6.2	76
226	Nitric oxide production by endothelial cells: comparison of three methods of quantification. <i>Life Sciences</i> , <b>1997</b> , 61, 1193-202	6.8	75
225	Conformationally gated photoinduced processes within photosensitizer-acceptor dyads based on osmium(II) complexes with triarylpyridinio-functionalized terpyridyl ligands: insights from experimental study. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 7510-21	16.4	75
224	The use of gold electrodes in the electrochemical detection of nitric oxide in aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , <b>1994</b> , 377, 295-298	4.1	75
223	Electrocatalytic activity of cobalt phthalocyanine CoPc adsorbed on a graphite electrode for the oxidation of reduced L-glutathione (GSH) and the reduction of its disulfide (GSSG) at physiological pH. <i>Bioelectrochemistry</i> , <b>2007</b> , 70, 147-54	5.6	74
222	Design and characterization of chemically modified electrodes with iron(III) porphyrinic-based polymers: study of their reactivity toward nitrites and nitric oxide in aqueous solution. <i>Analytica Chimica Acta</i> , <b>1997</b> , 341, 177-185	6.6	73
221	Enhanced electrochemical sensing of thiols based on cobalt phthalocyanine immobilized on nitrogen-doped graphene. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 66, 438-44	11.8	72
220	Comparative study of electropolymerized cobalt porphyrin and phthalocyanine based films for the electrochemical activation of thiols. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 225-232		71
219	Direct measurement of nitric oxide production in platelets: relationship with cytosolic Ca <sup>2+</sup> concentration. <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 215, 842-8	3.4	70
218	Chemically modified microelectrodes designed for the electrochemical determination of nitric oxide in biological systems. <i>Electroanalysis</i> , <b>1996</b> , 8, 1085-1091	3	68
217	Electrochemistry of conducting polypyrrole films containing cobalt porphyrin. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1991</b> , 297, 257-269		64
216	Versatile functionalization of carbon electrodes with a polypyridine ligand: metallation and electrocatalytic H <sup>+</sup> and CO <sub>2</sub> reduction. <i>Chemical Communications</i> , <b>2015</b> , 51, 2995-8	5.8	62

215	Electro-oxidation of phenol and its derivatives on poly-Ni(OH)TPhPyPc modified vitreous carbon electrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>2005</b> , 576, 323-332	4.1	62
214	An electrochemical sensor array system for the direct, simultaneous in vitro monitoring of nitric oxide and superoxide production by cultured cells. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 21, 917-22	11.8	62
213	Metalloporphyrin-polypyrrole film electrode: characterization and catalytic application. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1986</b> , 207, 87-99		61
212	Electrochemistry of zeolite-encapsulated cobalt salen complexes in acetonitrile and dimethyl sulphoxide solutions. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1991</b> , 87, 3831		60
211	Glassy carbon electrodes modified with single walled carbon nanotubes and cobalt phthalocyanine and nickel tetrasulfonated phthalocyanine: Highly stable new hybrids with enhanced electrocatalytic performances. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 1629-1634	5.1	59
210	Trends in reactivity of unsubstituted and substituted cobalt-phthalocyanines for the electrocatalysis of glucose oxidation. <i>Journal of Electroanalytical Chemistry</i> , <b>2006</b> , 589, 212-218	4.1	59
209	Electrochemistry of chemically modified zeolites: Discussion and new trends. <i>Journal of Electroanalytical Chemistry</i> , <b>1994</b> , 373, 19-29	4.1	59
208	Electrochemistry of conducting polypyrrole films containing cobalt porphyrin. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1990</b> , 277, 197-211		58
207	Electrochemistry of zeolite-encapsulated complexes. <i>Journal of Electroanalytical Chemistry</i> , <b>1993</b> , 345, 157-167	4.1	57
206	Electrooxidative polymerization of cobalt, nickel and manganese salen complexes in acetonitrile solution. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1991</b> , 301, 267-274		56
205	Designing multifunctional expanded pyridiniums: properties of branched and fused head-to-tail bipyridiniums. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 16700-13	16.4	55
204	Designing molecular materials and strategies for the electrochemical detection of nitric oxide, superoxide and peroxynitrite in biological systems. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 9976-88 <sup>3,6</sup>		55
203	In situ formation and scanning electrochemical microscopy assisted positioning of NO-sensors above human umbilical vein endothelial cells for the detection of nitric oxide release. <i>Electrochemistry Communications</i> , <b>2003</b> , 5, 847-852	5.1	54
202	Electropolymerized manganese porphyrin films as catalytic electrode materials for biomimetic oxidations with molecular oxygen. <i>Journal of Molecular Catalysis A</i> , <b>1996</b> , 113, 3-11		54
201	Zeolite-porphyrin modified electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1985</b> , 187, 197-202		54
200	Electrocatalysis of the oxidation of alcohol and phenol derivative pollutants at vitreous carbon electrode coated by nickel macrocyclic complex-based films. <i>Analytica Chimica Acta</i> , <b>1999</b> , 378, 159-168	6.6	53
199	Triarylpyridinium-functionalized terpyridyl ligand for photosensitized supramolecular architectures: intercomponent coupling and photoinduced processes. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 3162-76	4.8	52
198	Electrocatalysis of oxidation of 2-mercaptoethanol, l-cysteine and reduced glutathione by adsorbed and electrodeposited cobalt tetra phenoxypyrrole and tetra ethoxythiophene substituted phthalocyanines. <i>Electrochimica Acta</i> , <b>2006</b> , 51, 5125-5130	6.7	51

197	Plasmid electrotransfer of eye ciliary muscle: principles and therapeutic efficacy using hTNF-alpha soluble receptor in uveitis. <i>FASEB Journal</i> , <b>2006</b> , 20, 389-91	0.9	50
196	First example of electroassisted biomimetic activation of molecular oxygen by a (salen)Mn epoxidation catalyst in a room-temperature ionic liquid. <i>Chemical Communications</i> , <b>2001</b> , 1458-1459	5.8	50
195	Electrochemical Detection of Nitric Oxide: Assessment of Twenty Years of Strategies. <i>Electroanalysis</i> , <b>2013</b> , 25, 587-600	3	49
194	Biocompatible carbon-based screen-printed electrodes for the electrochemical detection of nitric oxide. <i>Electrochemistry Communications</i> , <b>2006</b> , 8, 238-244	5.1	49
193	Nickel Tetraaminophthalocyanine Based Films for the Electrocatalytic Activation of Dopamine. <i>Electroanalysis</i> , <b>2003</b> , 15, 969-974	3	49
192	Cobalt Phthalocyanine-Based Molecular Materials for the Electrocatalysis and Electroanalysis of 2-Mercaptoethanol, 2-Mercaptoethanesulfonic Acid, Reduced Glutathione and L-Cysteine. <i>Electroanalysis</i> , <b>2003</b> , 15, 779-785	3	48
191	Electropolymerized Pyrrole-Substituted Manganese Phthalocyanine Films for the Electroassisted Biomimetic Catalytic Reduction of Molecular Oxygen. <i>Electroanalysis</i> , <b>2005</b> , 17, 186-190	3	48
190	Faujasite-type zeolites modified with iron perfluorophthalocyanines: Synthesis and characterization. <i>Microporous Materials</i> , <b>1994</b> , 2, 119-126		48
189	Electrochemical behaviour of zeolite-encapsulated cobalt phthalocyanine complex in DMSO and DMF solutions. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1991</b> , 315, 313-318		48
188	Self-assembled monolayers and electropolymerized thin films of phthalocyanines as molecular materials for electroanalysis. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2006</b> , 10, 1101-1115	1.8	46
187	Electrocatalysis of nitric oxide reduction by hemoglobin entrapped in surfactant films. <i>Electrochemistry Communications</i> , <b>2001</b> , 3, 435-438	5.1	46
186	On-chip multi-electrochemical sensor array platform for simultaneous screening of nitric oxide and peroxynitrite. <i>Lab on A Chip</i> , <b>2011</b> , 11, 1342-50	7.2	45
185	Cyclic voltammetry and spectroelectrochemistry of a novel manganese phthalocyanine substituted with hexynyl groups. <i>Inorganic Chemistry Communication</i> , <b>2011</b> , 14, 330-332	3.1	45
184	Real-time electrochemical detection of extracellular nitric oxide in tobacco cells exposed to cryptogein, an elicitor of defence responses. <i>Journal of Experimental Botany</i> , <b>2008</b> , 59, 3407-14	7	44
183	Experimental and Theoretical Study of the Activity of Substituted Metallophthalocyanines for Nitrite Electro-oxidation. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, E32	3.9	44
182	Incorporation of anionic metalloporphyrins into poly(pyrrole-alkylammonium) films Part 2. Characterization of the reactivity of the iron(III) porphyrininc-based polymer. <i>Electrochimica Acta</i> , <b>1993</b> , 38, 2485-2491	6.7	44
181	Poly(pyrrole-manganese tetraphenylporphyrin) film electrodes in acetonitrile solution. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1988</b> , 239, 433-439		44
180	Redox and electrocatalytic properties of cobalt-bipyridyl-polypyrrole film electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1987</b> , 224, 95-110		42

179	In vivo electrochemical detection of nitric oxide in tumor-bearing mice. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 1030-3	7.8	41
178	Reversibility of the l-cysteine/l-cystine redox process at physiological pH on graphite electrodes modified with coenzyme B12 and vitamin B12. <i>Electrochimica Acta</i> , <b>2002</b> , 48, 323-329	6.7	41
177	Simultaneous detection of the release of glutamate and nitric oxide from adherently growing cells using an array of glutamate and nitric oxide selective electrodes. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 1559-65	11.8	41
176	Expanded pyridiniums: bis-cyclization of branched pyridiniums into their fused polycyclic and positively charged derivatives--assessing the impact of pericondensation on structural, electrochemical, electronic, and photophysical features. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 11047-63	4.8	40
175	Epoxidation of cis-cyclooctene by molecular oxygen electrocatalysed by polypyrrole-manganese porphyrin film modified electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1988</b> , 250, 191-199		40
174	Rhenium Complexes Based on 2-Pyridyl-1,2,3-triazole Ligands: A New Class of CO Reduction Catalysts. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 2966-2976	5.1	39
173	Carbon nanotubes and metalloporphyrins and metallophthalocyanines-based materials for electroanalysis. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2012</b> , 16, 713-740	1.8	39
172	Analysis of the evolution of the detection limits of electrochemical DNA biosensors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 3705-14	4.4	39
171	Comment on Zeolite-Modified Electrodes: Intra- versus Extrazeolite Electron Transfer. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 8607-8609		39
170	Photoinduced processes within compact dyads based on triphenylpyridinium-functionalized bipyridyl complexes of ruthenium(II). <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 3711-27	4.8	39
169	Electrochemical characterization of manganese porphyrins fixed onto silica and layered dihydroxide matrices. <i>Journal of Electroanalytical Chemistry</i> , <b>1993</b> , 347, 435-442	4.1	39
168	Electrocatalytic Activity of Substituted Metallophthalocyanines Adsorbed on Vitreous Carbon Electrode for Nitric Oxide Oxidation. <i>Journal of the Electrochemical Society</i> , <b>2003</b> , 150, E95	3.9	38
167	Electropolymerisation and redox properties of bipyridyl-polypyrrole and Cu(II) bipyridyl-polypyrrole film electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1986</b> , 205, 309-318		38
166	Electrochemistry of zeolite-encapsulated complexes: new observations. <i>Journal of Electroanalytical Chemistry</i> , <b>1998</b> , 454, 83-89	4.1	34
165	Nickel tetrasulfonated phthalocyanine based platinum microelectrode array for nitric oxide oxidation. <i>Electrochemistry Communications</i> , <b>2002</b> , 4, 922-927	5.1	34
164	Electropolymerized Manganese Tetraaminophthalocyanine Thin Films onto Platinum Ultramicroelectrode for the Electrochemical Detection of Peroxynitrite in Solution. <i>Electroanalysis</i> , <b>2007</b> , 19, 61-64	3	33
163	Functionalised electrode array for the detection of nitric oxide released by endothelial cells using different NO-sensing chemistries. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 378, 1594-600	4.4	33
162	New Composite Modified Carbon Microfibers for Sensitive and Selective Determination of Physiologically Relevant Concentrations of Nitric Oxide in Solution. <i>Electroanalysis</i> , <b>1999</b> , 11, 845-850	3	33

161	Overview of significant examples of electrochemical sensor arrays designed for detection of nitric oxide and relevant species in a biological environment. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 3475-88	4.4	32
160	Tuning the redox properties of Co-N4 macrocyclic complexes for the catalytic electrooxidation of glucose. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 4883-4888	6.7	31
159	Electrocatalysis of 2-mercaptoethanesulfonic acid oxidation on cobalt phthalocyanine modified electrodes. Effect of surface concentration of the catalyst. <i>Electrochimica Acta</i> , <b>2001</b> , 46, 3397-3404	6.7	31
158	Simultaneous Electrochemical Speciation of Oxidized and Reduced Glutathione. Redox Profiling of Oxidative Stress in Biological Fluids with a Modified Carbon Electrode. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10726-10733	7.8	29
157	Electro-Assisted Reduction of CO <sub>2</sub> to CO and Formaldehyde by (TOA) <sub>6</sub> [SiW <sub>11</sub> O <sub>39</sub> Co(L)] Polyoxometalate. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 3642-3648	2.3	29
156	Hybrid Materials from Carbon Nanotubes, Nickel Tetrasulfonated Phthalocyanine and Thin Polymer Layers for the Selective Electrochemical Activation of Nitric Oxide in Solution. <i>Electroanalysis</i> , <b>2009</b> , 21, 2303-2310	3	29
155	Incorporation of anionic cobalt porphyrin by anion exchange into polypyrrole films containing alkylammonium groups. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1992</b> , 88, 1567		29
154	Inverted correlations between rate constants and redox potential of the catalyst for the electrooxidation of 2-aminoethanethiol mediated by surface confined substituted cobalt-phthalocyanines. <i>Journal of Electroanalytical Chemistry</i> , <b>2005</b> , 580, 50-56	4.1	28
153	Nanostructured zinc oxide-chromophore hybrid films with multicolored electrochromic properties. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 1552-1559		27
152	Effect of film thickness on the electro-reduction of molecular oxygen on electropolymerized cobalt tetra-aminophthalocyanine films. <i>Journal of Solid State Electrochemistry</i> , <b>2005</b> , 9, 21-29	2.6	27
151	Direct electrochemical characterization of superoxide anion production and its reactivity toward nitric oxide in solution. <i>Journal of Electroanalytical Chemistry</i> , <b>1997</b> , 436, 261-265	4.1	25
150	Simultaneous intra- and extracellular superoxide monitoring using an integrated optical and electrochemical sensor system. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 327, 979-84	3.4	25
149	Electropolymerized cobalt macrocomplex-based films for thiols electro-oxidation: effect of the film formation conditions and the nature of the macrocyclic ligand. <i>Solid State Ionics</i> , <b>2004</b> , 169, 59-63	3.3	25
148	The electrocatalytic reduction of organohalides by myoglobin and hemoglobin in a biomembrane-like film and its application to the electrochemical detection of pollutants: new trends and discussion. <i>Sensors and Actuators B: Chemical</i> , <b>1999</b> , 59, 128-133	8.5	25
147	Single-step versus stepwise two-electron reduction of polyarylpiperidiniums: insights from the steric switching of redox potential compression. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 2691-705	16.4	24
146	Electrochemical analysis of the kinetics of nitric oxide release from two diazeniumdiolates in buffered aqueous solutions. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 2551-2556	5.1	24
145	Electro-catalyzed oxidation of reduced glutathione and 2-mercaptoethanol by cobalt phthalocyanine-containing screen printed graphite electrodes. <i>Materials Science and Engineering C</i> , <b>2008</b> , 28, 606-612	8.3	24
144	Superoxide release from interleukin-1B-stimulated human vascular cells: in situ electrochemical measurement. <i>Free Radical Biology and Medicine</i> , <b>1999</b> , 27, 554-9	7.8	24

143	Electrocatalytic Oxidation of 2-Mercaptoethanol by Electropolymerized Cobalt Porphyrin Film on Vitreous Carbon Electrodes. <i>Electroanalysis</i> , <b>2001</b> , 13, 253-256	3	23
142	Electrografted nanostructured platforms for click chemistry. <i>Electrochemistry Communications</i> , <b>2012</b> , 23, 141-144	5.1	22
141	Noninvasive Galvanic Skin Sensor for Early Diagnosis of Sudeomotor Dysfunction: Application to Diabetes. <i>IEEE Sensors Journal</i> , <b>2012</b> , 12, 456-463	4	22
140	Electrochemical detection of nitric oxide production in perfused pig coronary artery: comparison of the performances of two electrochemical sensors. <i>Journal of Pharmacological and Toxicological Methods</i> , <b>1998</b> , 40, 95-100	1.7	22
139	Electrochemistry of zeolite-encapsulated complexes. Part 4. Characterization of transition-metal polypyridinediyl and phenanthroline complexes entrapped in Y faujasite-type zeolite. <i>Journal of Materials Chemistry</i> , <b>1993</b> , 3, 873-876		22
138	Electroassisted biomimetic oxidation of hydrocarbons by molecular oxygen catalyzed by manganese porphyrin complexes intercalated into montmorillonite. <i>Journal of Molecular Catalysis</i> , <b>1993</b> , 78, L23-L26		22
137	Combined system for the simultaneous optical and electrochemical monitoring of intra- and extracellular NO produced by glioblastoma cells. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 2733-8	7.8	21
136	Electrochemical preparation and characterization of zinc porphyrin-coated electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1991</b> , 319, 395-402		21
135	Electroanalytical study of the activation of dioxygen in acetonitrile solution by manganese porphyrin films deposited onto carbon electrodes. <i>Electrochimica Acta</i> , <b>1993</b> , 38, 1747-1751	6.7	21
134	Etude electrochimique de complexes derives de l'ethylene bis(salicylidene iminato)cobalt; application a la reduction electroassistee d'halogenures organiques. <i>Journal of Organometallic Chemistry</i> , <b>1985</b> , 286, 77-90	2.3	21
133	Evaluation of the Selectivity of Overoxidized Polypyrrole/Superoxide Dismutase Based Microsensor for the Electrochemical Measurement of Superoxide Anion in Solution. <i>Electroanalysis</i> , <b>2001</b> , 13, 524-528		20
132	Effects of Electrogenerated Silver Particles on the Electrochemistry of Zeolite-Encapsulated Iron Salen Complex. <i>Journal of the Electrochemical Society</i> , <b>1994</b> , 141, 3049-3052	3.9	20
131	In situ characterization by cyclic voltammetry and conductance of composites based on polypyrrole, multi-walled carbon nanotubes and cobalt phthalocyanine. <i>Electrochimica Acta</i> , <b>2013</b> , 89, 840-847	6.7	19
130	Electrochemical DNA biosensors based on long-range electron transfer: investigating the efficiency of a fluidic channel microelectrode compared to an ultramicroelectrode in a two-electrode setup. <i>Lab on A Chip</i> , <b>2016</b> , 16, 4373-4381	7.2	19
129	Electrochemical Characterization of Nickel Electrodes in Phosphate and Carbonate Electrolytes in View of Assessing a Medical Diagnostic Device for the Detection of Early Diabetes. <i>Electroanalysis</i> , <b>2010</b> , 22, 2483-2490	3	18
128	Stable hemin embedded in Nafion <sup>®</sup> films for the catalytic reduction of trichloroacetic acid under hydrodynamic conditions. <i>Electrochemistry Communications</i> , <b>2005</b> , 7, 853-856	5.1	18
127	Surface Functionalization by Plasma Treatment and Click Chemistry of a New Family of Fluorinated Polymeric Materials for Microfluidic Chips. <i>Plasma Processes and Polymers</i> , <b>2014</b> , 11, 518-523	3.4	17
126	Surface patterning using scanning electrochemical microscopy to locally trigger a click chemistry reaction. <i>Electrochemistry Communications</i> , <b>2013</b> , 31, 112-115	5.1	17



125	Microelectrochemical patterning of gold surfaces using 4-azidobenzenediazonium and scanning electrochemical microscopy. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 150-153	5.1	17
124	Practical aspects and methodological approaches to achieve electrochemical detection of submicromolar NO in biological systems. <i>Biosensors and Bioelectronics</i> , <b>1998</b> , 13, 227-230	11.8	17
123	Electroassisted elimination of ruthenium from dissolved RuO <sub>2</sub> ·xH <sub>2</sub> O in nitric acid solution by using Ag(II) redox mediator: toward a new insight into the nuclear fuel reprocessing. <i>Electrochemistry Communications</i> , <b>2004</b> , 6, 351-356	5.1	17
122	Integrated compact biocompatible hydrogel-based amperometric sensing device for easy screening of drugs involved in nitric oxide production by adherent cultured cells. <i>Electrochimica Acta</i> , <b>2005</b> , 50, 4988-4994	6.7	17
121	Conversion of organic halides by CO into aldehydes using electroreduced Fe(CO) <sub>5</sub> . <i>Tetrahedron Letters</i> , <b>1988</b> , 29, 6441-6442	2	17
120	Electrocatalysis of the reduction of organic halide derivatives at modified electrodes coated by cobalt and iron macrocyclic complex-based films: application to the electrochemical determination of pollutants. <i>Analisis - European Journal of Analytical Chemistry</i> , <b>2000</b> , 28, 238-244		17
119	Electrochemical Characterization of Self-Assembled Monolayer of a Novel Manganese Tetrabenzylthio-Substituted Phthalocyanine and Its Use in Nitrite Oxidation. <i>Electroanalysis</i> , <b>2008</b> , 20, 1863-1872	3	16
118	Electrochemical sensing of nitric oxide for biological systems: methodological approach and new insights in examining interfering compounds. <i>Talanta</i> , <b>2003</b> , 61, 53-9	6.2	16
117	Poly(pyrrole manganese porphyrin) film electrode as a catalyst in electro-assisted oxidation reactions using molecular oxygen: comparison with described homogeneous systems. <i>Journal of Molecular Catalysis</i> , <b>1989</b> , 56, 267-275		16
116	Electrooxidative and electroreductive polymerization of 5-amino-1,10-phenanthroline ligand, iron and cobalt complexes in acetonitrile media. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1987</b> , 238, 197-214		16
115	Ticoid expanded pyridiniums: assessing structural, electrochemical, electronic, and photophysical features. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 7880-91	2.8	15
114	Spontaneous adsorbed layers of 4-nitrobenzenediazonium salt on gold and glassy carbon: Local characterization by SECM and electron-transfer kinetics evaluation. <i>Journal of Electroanalytical Chemistry</i> , <b>2010</b> , 647, 93-96	4.1	15
113	UV-Visible and Electrochemical Monitoring of Carbon Monoxide Release by Donor Complexes to Myoglobin Solutions and to Electrodes Modified with Films Containing Hemin. <i>Electroanalysis</i> , <b>2006</b> , 18, 1689-1695	3	15
112	Theoretical modelling of photoactive molecular systems: insights using the Density Functional Theory. <i>Comptes Rendus Chimie</i> , <b>2006</b> , 9, 226-239	2.7	15
111	Overoxidized Polypyrrole/Cobalt Tetrasulfonated Phthalocyanine Modified Ultramicro-Carbon-Fiber Electrodes for the Electrooxidation of 2-Mercaptoethanol. <i>Electroanalysis</i> , <b>2001</b> , 13, 1136-1139	3	15
110	Electroassisted catalysis of the reductive coupling of 2-bromooctane and methyl vinyl ketone by a binuclear cobalt-iron complex in DMF solution: electrosynthesis and cyclic voltammetry analysis. <i>New Journal of Chemistry</i> , <b>1999</b> , 23, 489-494	3.6	15
109	Structural studies of metalloporphyrins. 9. "Looping-over" cobalt porphyrins: coordinating properties and application to dioxygen fixation and activation. <i>Inorganic Chemistry</i> , <b>1990</b> , 29, 2734-2740	5.1	15
108	Assessing the Electrocatalytic Properties of the {Cp*Rh(III)} <sub>2</sub> -Polyoxometalate Derivative [H <sub>2</sub> PW <sub>11</sub> O <sub>39</sub> {Rh(III)Cp*(OH <sub>2</sub> )}] <sub>3</sub> towards CO <sub>2</sub> Reduction. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 387-393	2.3	14

107	Electrochemical DNA-biosensors: Two-electrode setup well adapted for miniaturized devices. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 182, 510-513	8.5	14
106	CATALYTIC ACTIVITY OF ELECTRODE MATERIALS BASED ON POLYPYRROLE, MULTI-WALL CARBON NANOTUBES AND COBALT PHTHALOCYANINE FOR THE ELECTROOXIDATION OF GLUTATHIONE AND L-CYSTEINE. <i>Journal of the Chilean Chemical Society</i> , <b>2012</b> , 57, 1244-1247	2.5	14
105	Electrochemical approach to detect the presence of peroxyxynitrite in aerobic neutral solution. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 1446-1449	5.1	14
104	Volcano correlations for the reactivity of surface-confined cobalt N4-macrocyclics for the electrocatalytic oxidation of 2-mercaptoacetate. <i>Journal of Solid State Electrochemistry</i> , <b>2008</b> , 12, 473-481 <sup>2,6</sup>	3.6	14
103	Electrochemical Investigation of the Role of Reducing Agents in Copper-Catalyzed Nitric Oxide Release from S-Nitrosoglutathione. <i>Electroanalysis</i> , <b>2006</b> , 18, 1827-1832	3	14
102	Voltammetric analysis of the catalytic reactivity of electrogenerated CoIIalen with organohalogenated derivatives in an ionic liquid at room temperature. <i>Journal of Molecular Catalysis A</i> , <b>2004</b> , 214, 91-94		14
101	Development of a flow microsensor for selective detection of nitric oxide in the presence of hydrogen peroxide. <i>Electrochimica Acta</i> , <b>2018</b> , 286, 365-373	6.7	13
100	In Search of the Best Iron N4-Macrocyclic Catalysts Adsorbed on Graphite Electrodes and on Multi-walled Carbon Nanotubes for the Oxidation of L-Cysteine by Adjusting the Fe(II)/(I) Formal Potential of the Complex. <i>Electrocatalysis</i> , <b>2014</b> , 5, 426-437	2.7	13
99	4-Azidoaniline-based electropolymer as a building block for functionalisation of conductive surfaces. <i>Journal of Electroanalytical Chemistry</i> , <b>2012</b> , 670, 79-84	4.1	13
98	Layer by Layer Electrode Surface Functionalisation Using Carbon Nanotubes, Electrochemical Grafting of Azide-Alkyne Functions and Click Chemistry. <i>Electroanalysis</i> , <b>2012</b> , 24, 1833-1838	3	13
97	Electrochemical characterization of vanadium molecular sieve, VAPO-5. <i>Inorganica Chimica Acta</i> , <b>1997</b> , 254, 151-155	2.7	13
96	Amperometric Detection of Urea in Aqueous Solution by Poly(Ni-cyclam) Film-Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , <b>2003</b> , 15, 70-73	3	13
95	The Oxidation of Thiols by Cobalt N4-Complexes: a Correlation between Theory and Experiments. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 11304-11311	2.8	13
94	Electrochemical preparation of anthraquinone and zinc porphyrin coated electrodes: redox activity and film stability. <i>Journal of Materials Chemistry</i> , <b>1995</b> , 5, 625		13
93	New conducting polymers: preparation and spectroscopic properties of zinc-porphyrin and anthraquinone-coated electrodes. <i>Synthetic Metals</i> , <b>1996</b> , 81, 205-210	3.6	13
92	Hydrogel Matrix-Grafted Impedimetric Aptasensors for the Detection of Diclofenac. <i>Langmuir</i> , <b>2020</b> , 36, 827-836	4	13
91	Electrochemical DNA-biosensors based on long-range electron transfer: optimization of the amperometric detection in the femtomolar range using two-electrode setup and ultramicroelectrode. <i>Electrochimica Acta</i> , <b>2016</b> , 209, 269-277	6.7	13
90	A Maltol-Containing Ruthenium Polypyridyl Complex as a Potential Anticancer Agent. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 4997-5009	4.8	12

89	Label-free graphene oxide-based SPR genosensor for the quantification of microRNA21. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 3539-3546	4.4	12
88	Preparation and Characterization of Electrodes Modified with Pyrrole Surfactant, Multiwalled Carbon Nanotubes and Metallophthalocyanines for the Electrochemical Detection of Thiols. <i>Electroanalysis</i> , <b>2014</b> , 26, 507-512	3	12
87	Construction and use of an integrated electrochemical device for the detection of biologically relevant compounds released from non-adherent cells: Application for the electrochemical determination of nitric oxide produced by human U937 cells. <i>Electrochemistry Communications</i> , <b>2006</b> , 8, 341-347	5.1	12
86	Novel biocompatible hydrogel-based amperometric sensor for nitric oxide gas detection: towards a non-invasive device. <i>Chemical Communications</i> , <b>2004</b> , 1302-3	5.8	12
85	Environment effects on the oxidation of thiols: cobalt phthalocyanine as a test case. <i>Chemical Physics Letters</i> , <b>2003</b> , 376, 690-697	2.5	12
84	First electrochemical evidence of existence of an oxomanganese(V) porphyrin intermediate in the reaction of manganese(III) porphyrin and hydrogen peroxide as a model of enzyme mimetics. <i>Electrochemistry Communications</i> , <b>2003</b> , 5, 129-132	5.1	12
83	Electrodes modifiées par dépôt de film polymère nickel-polypyridyl-polypyrrole. <i>Electrochimica Acta</i> , <b>1988</b> , 33, 567-571	6.7	12
82	Colorimetric analysis of the decomposition of S-nitrosothiols on paper-based microfluidic devices. <i>Analyst, The</i> , <b>2016</b> , 141, 6314-6320	5	12
81	Amperometric Quantification of S-Nitrosoglutathione Using Gold Nanoparticles: A Step toward Determination of S-Nitrosothiols in Plasma. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 3115-20	7.8	11
80	Surface Functionalization of COC Microfluidic Materials by Plasma and Click Chemistry Processes. <i>Plasma Processes and Polymers</i> , <b>2013</b> , 10, 959-969	3.4	11
79	Solvent Effect on Density Functional Reactivity Indexes Applied to Substituted Nickel Phthalocyanines. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 6045-6051	2.8	11
78	Electrochemistry of manganese porphyrin intercalated into montmorillonite. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1991</b> , 303, 283-287		11
77	Amperometric detection of diclofenac at a nano-structured multi-wall carbon nanotubes sensing films. <i>Inorganic Chemistry Communication</i> , <b>2019</b> , 107, 107454	3.1	10
76	Spectroscopic and electrochemical study of the adsorption of [Co(en) <sub>2</sub> Cl <sub>2</sub> ]Cl on gamma-alumina: influence of the alumina ligand on Co(III)/(II) redox potential. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 900-6	3.4	10
75	Immobilization of Cobalt Complexes on Mesoporous MCM-41 Support Materials. <i>Materials Research Society Symposia Proceedings</i> , <b>1996</b> , 431, 89		10
74	Etude électrochimique du complexe phénylène-bis(salicylidène iminato)cobalt en solution et du complexe polycondensé en solution et fixé sur l'électrode. Application à la réduction électroassistée du chlorure de benzyle. <i>Journal of Organometallic Chemistry</i> , <b>1987</b> , 326, 117-138	2.3	10
73	Electrochemical Characterization of Stainless Steel as a New Electrode Material in a Medical Device for the Diagnosis of Sudeptor Dysfunction. <i>Electroanalysis</i> , <b>2012</b> , 24, 1324-1333	3	9
72	In Vivo Electrochemical Detection of Nitroglycerin-Derived Nitric Oxide in Tumor-Bearing Mice. <i>Electroanalysis</i> , <b>2009</b> , 21, 631-634	3	9

71	Biomimetic Electroreduction of O <sub>2</sub> by Hemoglobin in a Surfactant Film: Preliminary Electrochemical Impedance Spectroscopy Insight. <i>Electroanalysis</i> , <b>2004</b> , 16, 1632-1636	3	9
70	Preparation and characterization of an electronically conductive and chemically modified ultrafiltration type membrane. <i>Journal of Membrane Science</i> , <b>2001</b> , 184, 165-173	9.6	9
69	Zeolite Encapsulated Metal-Schiff Base Complexes. Synthesis and Electrochemical Characterization. <i>Studies in Surface Science and Catalysis</i> , <b>1994</b> , 917-924	1.8	9
68	Ruthenium(II) Complex Containing a Redox-Active Semiquinonate Ligand as a Potential Chemotherapeutic Agent: From Synthesis to Studies. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 5568-5584	8.3	9
67	Capillary electrophoresis with mass spectrometric detection for separation of S-nitrosoglutathione and its decomposition products: a deeper insight into the decomposition pathways. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 6221-6	4.4	8
66	Electrochemical Assessment of Possible Melatonin Effect On Nitric Oxide Production From Kidneys Of Sub-Acute Lead Treated Rats. <i>Electrochimica Acta</i> , <b>2015</b> , 166, 88-92	6.7	8
65	Electrochemical Kinetics of Anodic Ni Dissolution in Aqueous Media as a Function of Chloride Ion Concentration at pH Values Close to Physiological Conditions. <i>Electroanalysis</i> , <b>2012</b> , 24, 386-391	3	8
64	Capillary electrophoresis coupled to contactless conductivity detection for the analysis of S-nitrosothiols decomposition and reactivity. <i>Electrophoresis</i> , <b>2015</b> , 36, 1982-8	3.6	8
63	Array of ultramicroelectrodes for the simultaneous detection of nitric oxide and peroxyxynitrite in biological systems. <i>Electrochimica Acta</i> , <b>2014</b> , 140, 33-36	6.7	8
62	Micro-ring disc ultramicroelectrodes array for direct detection of NO-release from S-nitrosoglutathione. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 681-684	5.1	8
61	Amperometric fluidic microchip array sensing device for nitric oxide determination in solution. <i>Materials Science and Engineering C</i> , <b>2006</b> , 26, 534-537	8.3	8
60	Electrochemical properties of an insoluble polymeric Schiff base cobalt complex. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1984</b> , 170, 255-263		8
59	Design of electrochemical microsensors to monitor nitric oxide production in biological systems: a global compilation. <i>Analisis - European Journal of Analytical Chemistry</i> , <b>2000</b> , 28, 465-469		8
58	Analysis of the evolution of the detection limits of electrochemical nucleic acid biosensors II. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 4335-4352	4.4	7
57	Electroanalytical methodologies for the detection of S-nitrosothiols in biological fluids. <i>Analyst, The</i> , <b>2013</b> , 138, 5173-81	5	7
56	Electrochemically assisted micro localized grafting of aptamers in a microchannel engraved in fluorinated thermoplastic polymer Dyneon THV. <i>RSC Advances</i> , <b>2015</b> , 5, 11128-11131	3.7	7
55	Small fiber neuropathy diagnosis by a non-invasive electrochemical method: mimicking the in-vivo responses by optimization of electrolytic cell parameters. <i>Electrochimica Acta</i> , <b>2014</b> , 140, 37-41	6.7	7
54	Comment on "Electrochemical detection of peroxyxynitrite using a biosensor based on a conducting polymer-manganese ion complex". <i>Analytical Chemistry</i> , <b>2011</b> , 83, 5463-4; author reply 5465-6	7.8	7

53	Evaluation of the Performance of Manganese Phthalocyanines as Superoxide Dismutase Mimics. <i>Current Analytical Chemistry</i> , <b>2009</b> , 5, 330-338	1.7	7
52	Cyclic voltammetry of zeolite-supported manganese porphyrins. <i>Journal of Materials Chemistry</i> , <b>1994</b> , 4, 1215		7
51	Aptamer entrapment in microfluidic channel using one-step sol-gel process, in view of the integration of a new selective extraction phase for lab-on-a-chip. <i>Electrophoresis</i> , <b>2017</b> , 38, 2456-2461	3.6	6
50	Horseradish Peroxidase Nanopatterned Electrodes by Click Chemistry: Application to the Electrochemical Detection of Paracetamol. <i>Electroanalysis</i> , <b>2013</b> , 25, 1369-1372	3	6
49	Quantitation of Cu <sup>+</sup> -catalyzed Decomposition of S-Nitrosoglutathione Using Saville and Electrochemical Detection: a Pronounced Effect of Glutathione and Copper Concentrations. <i>Electroanalysis</i> , <b>2015</b> , 27, 2857-2863	3	6
48	Biological cell morphology studies by scanning electrochemical microscopy imagery at constant height: Contrast enhancement using biocompatible conductive substrates. <i>Electrochimica Acta</i> , <b>2015</b> , 157, 95-100	6.7	6
47	Tuning the Formal Potential of Metallomacrocyclics for Maximum Catalytic Activity For the Oxidation of Thiols and Hydrazine. <i>ECS Transactions</i> , <b>2009</b> , 19, 97-112	1	6
46	Electropolymerized Metalloporphyrin Metallophthalocyanine and Metal Schiff Base Complex Films: Applications to Biomimetic Electrocatalysis and Bioelectroanalysis <b>2006</b> , 363-438		6
45	New stable modified electrodes coated by electroactive films of polypyrrole nickel(II)-bipyridine complex. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1989</b> , 274, 271-279		6
44	Selective and sensitive electrochemical biosensing of superoxide anion production by biological systems : a short overview of recent trends. <i>Analisis - European Journal of Analytical Chemistry</i> , <b>1999</b> , 27, 564-569		6
43	Electrochemical detection of nitric oxide and S-nitrosothiols in biological systems: Past, present & future. <i>Current Opinion in Electrochemistry</i> , <b>2018</b> , 12, 42-50	7.2	5
42	Ageing of nickel used as sensitive material for early detection of sudomotor dysfunction. <i>Applied Surface Science</i> , <b>2012</b> , 258, 2724-2731	6.7	5
41	Preparation and Characterization of Modified Electrodes Based on Carbon Nanotubes /Pyrrole/Cobalt Phthalocyanine for the Development of Hybrid Materials for the Electrochemical Activation of 2-mercaptoethanol. <i>ECS Transactions</i> , <b>2008</b> , 15, 133-141	1	5
40	Evaluation of the nonbiofouling behaviour of nitric oxide electrochemical sensor materials by using sessile drop contact angle measurements and free enthalpy of adhesion calculations. <i>Materials Science and Engineering C</i> , <b>2002</b> , 21, 69-73	8.3	5
39	In Situ Characterization of Redox Properties of Water-Soluble Porphyrins Irreversibly Adsorbed on Gold Electrode Using the Electroreflectance Technique. <i>Journal of the Electrochemical Society</i> , <b>1985</b> , 132, 2120-2124	3.9	5
38	Corrosion Behavior of Biocompatible Stainless Steels in Physiological Medium for Non-invasive Diagnosis of Small Fiber Neuropathies Applications. <i>Electroanalysis</i> , <b>2016</b> , 28, 380-384	3	4
37	Cobalt-Salen Catalyzed Electroreductive Alkylation of Activated Olefins. <i>Journal of Chemistry</i> , <b>2019</b> , 2019, 1-6	2.3	4
36	Two-step local functionalization of fluoropolymer Dyneon THV microfluidic materials by scanning electrochemical microscopy combined to click reaction. <i>Electrochemistry Communications</i> , <b>2015</b> , 60, 5-8	5.1	4

35	Inverted Linear Correlation Between the Catalytic Activity of Iron Phthalocyanines and the Formal Potential of the Catalyst in the Electrooxidation of L-Cysteine. <i>Electrocatalysis</i> , <b>2012</b> , 3, 153-159	2.7	4
34	Direct Electrochemical Measurement of Nitric Oxide Production by Cytochrome P450-catalyzed Oxidation of N,N'-Substituted Hydroxyguanidines. <i>Analytical Communications</i> , <b>1997</b> , 34, 69-71		4
33	Cobalt Phthalocyanine Molecular Electrode for the Electrochemical Investigation of the Release of Glutathione upon Copper-Catalyzed Decomposition of S-Nitrosoglutathione. <i>Electroanalysis</i> , <b>2007</b> , 19, 103-106	3	4
32	Electroassisted Oxidation of Cis-Cyclooctene and Adamantane by Molecular Oxygen Catalyzed by Polypyrrole Manganese Porphyrin Films. <i>Studies in Surface Science and Catalysis</i> , <b>1991</b> , 66, 221-228	1.8	4
31	SUDOSCAN Device for the Early Detection of Diabetes: In Vitro Measurement versus Results of Clinical Tests. <i>Sensor Letters</i> , <b>2011</b> , 9, 2147-2149	0.9	4
30	Integrated microfluidic device for the separation, decomposition and detection of low molecular weight S-nitrosothiols. <i>Analyst, The</i> , <b>2018</b> , 144, 180-185	5	3
29	Surface functionalization of cyclic olefin copolymer by plasma-enhanced chemical vapor deposition using atmospheric pressure plasma jet for microfluidic applications. <i>Plasma Processes and Polymers</i> , <b>2019</b> , 16, 1800195	3.4	3
28	Multiple Zones Modification of Open Off-Stoichiometry Thiol-Ene Microchannel by Aptamers: A Methodological Study & A Proof of Concept. <i>Chemosensors</i> , <b>2020</b> , 8, 24	4	3
27	Electrochemical Devices for Monitoring Biomarkers in Embryo Development. <i>Electrochimica Acta</i> , <b>2014</b> , 140, 42-48	6.7	3
26	Self-Assembling of Redox-Active Atrazine Poly(ethylenimine) Conjugates [Interfacial Electrochemical and Spectroscopic Characterization. <i>Electroanalysis</i> , <b>2006</b> , 18, 684-694	3	3
25	Electrochemical Detection of Nitric Oxide in Plant Cell Suspensions. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1424, 127-37	1.4	3
24	Electrografting of aryl diazonium on thin layer platinum microbands: Towards customized surface functionalization within microsystems. <i>Electrochemistry Communications</i> , <b>2016</b> , 70, 78-81	5.1	3
23	Coupling Electrochemical Adsorption and Long-range Electron Transfer: Label-free DNA Mismatch Detection with Ultramicroelectrode (UME). <i>Electroanalysis</i> , <b>2019</b> , 31, 2232-2237	3	2
22	Surface Modeling of Nanopatterned Polymer Films Obtained by Colloidal Templated Electropolymerization. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 3359-64	1.3	2
21	Comparison of three different configurations of dual ultramicroelectrodes for the decomposition of S-Nitroso-L-glutathione and the direct detection of nitric oxide. <i>Mikrochimica Acta</i> , <b>2012</b> , 179, 337-343 <sup>5.8</sup>		2
20	Vanadium Molecular Sieve, VAPO-5: Preparation and Electrochemical Characterization. <i>Materials Research Society Symposia Proceedings</i> , <b>1996</b> , 431, 45		2
19	Electrochemical copolymerization of 5-amino-1, 10-phenanthroline cobalt complex with 1, vinyl-imidazole in acetonitrile solution. <i>Electrochimica Acta</i> , <b>1995</b> , 40, 253-254	6.7	2
18	Poly(Pyrrole-Cobaltporphyrin) Film Modified Electrodes: Preparation and Catalytic Application. <i>Materials Science Forum</i> , <b>1991</b> , 42, 221-224	0.4	2

17	Electrochemical preparation of polymeric manganese divinyl-salen complex in acetonitrile solution. <i>Journal of Electroanalytical Chemistry</i> , <b>1993</b> , 350, 345-352	4.1	2
16	Préparation et application catalytique de films de polypyrrole fonctionnalisés par greffage de porphyrine de manganèse. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , <b>1989</b> , 86, 235-240		2
15	Corrosion analysis of AISI 430 stainless steel in the presence of Escherichia coli and Staphylococcus aureus. <i>Corrosion Science</i> , <b>2021</b> , 181, 109204	6.8	2
14	Electrochemical Behavior of Stainless Steels for Sudomotor Dysfunction Applications. <i>Electroanalysis</i> , <b>2018</b> , 30, 162-169	3	2
13	Electrochemical Behavior of Electrode Materials (Nickel and Stainless Steels) for Sudomotor Dysfunction Applications: A Review. <i>Electroanalysis</i> , <b>2018</b> , 30, 2525-2534	3	2
12	New Composite Modified Carbon Microfibers for Sensitive and Selective Determination of Physiologically Relevant Concentrations of Nitric Oxide in Solution <b>1999</b> , 11, 845		2
11	Speciation and quantitation of precious metals in model acidic leach liquors, theoretical and practical aspects of recycling. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 4595-4608	4.4	1
10	Adsorption and self-assembly of a ferrocene D- and L-nonapeptide disulfide onto gold and mica substrates. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 3637-3643	3.6	1
9	55 Electropolymerized Thin Films of Metalloporphyrins for Electrocatalysis and Electroanalysis. <i>Handbook of Porphyrin Science</i> , <b>2011</b> , 227-295	0.3	1
8	A -plasmid allows aminoglycosides to induce SOS in .. <i>ELife</i> , <b>2022</b> , 11,	8.9	1
7	Functionalized Multi-Walled Carbon Nanotube-Based Aptasensors for Diclofenac Detection.. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 812909	5	1
6	PEDOT/Superoxide Dismutase Electrode Surface Modification for Superoxide Bioelectrochemical Sensing. <i>Electroanalysis</i> , <b>2020</b> , 32, 29-36	3	1
5	Scanning Electrochemical Microscopy <b>2018</b> ,		1
4	Evolution of nucleic acids biosensors detection limit III. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 1	4.4	0
3	Input of Electroanalytical Methods for the Determination of Diclofenac: A Review of Recent Trends and Developments. <i>ChemElectroChem</i> ,	4.3	0
2	Electrochemical Behavior of Ce(IV)/Ce(III) Couple in N,N-Di(2-ethylhexyl)-n-butanamide (DEHBA), N,N-Di(2-ethylhexyl)-iso-butanamide (DEHiBA), and N,N-Di(2-ethylhexyl)-3,3-dimethyl Butanamide (DEHDMBA). <i>Electroanalysis</i> , <b>2021</b> , 33, 1871-1876	3	
1	Modified Electrodes with MN4 Complexes: Conception and Electroanalytical Performances for the Detection of Thiols <b>2016</b> , 277-321		