

Fethi Bedioui

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

250
papers

8,697
citations

52
h-index

81
g-index

265
ext. papers

9,164
ext. citations

5.1
avg, IF

5.92
L-index

#	Paper	IF	Citations
250	A -plasmid allows aminoglycosides to induce SOS in .. <i>ELife</i> , 2022 , 11,	8.9	1
249	Functionalized Multi-Walled Carbon Nanotube-Based Aptasensors for Diclofenac Detection.. <i>Frontiers in Chemistry</i> , 2021 , 9, 812909	5	1
248	Evolution of nucleic acids biosensors detection limit III. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	0
247	Corrosion analysis of AISI 430 stainless steel in the presence of Escherichia coli and Staphylococcus aureus. <i>Corrosion Science</i> , 2021 , 181, 109204	6.8	2
246	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> , 2021 , 33, 1871-1876	3	
245	Speciation and quantitation of precious metals in model acidic leach liquors, theoretical and practical aspects of recycling. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 4595-4608	4.4	1
244	Multiple Zones Modification of Open Off-Stoichiometry Thiol-Ene Microchannel by Aptamers: A Methodological Study & A Proof of Concept. <i>Chemosensors</i> , 2020 , 8, 24	4	3
243	A Maltol-Containing Ruthenium Polypyridyl Complex as a Potential Anticancer Agent. <i>Chemistry - A European Journal</i> , 2020 , 26, 4997-5009	4.8	12
242	Label-free graphene oxide-based SPR genosensor for the quantification of microRNA21. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 3539-3546	4.4	12
241	Hydrogel Matrix-Grafted Impedimetric Aptasensors for the Detection of Diclofenac. <i>Langmuir</i> , 2020 , 36, 827-836	4	13
240	PEDOT/Superoxide Dismutase Electrode Surface Modification for Superoxide Bioelectrochemical Sensing. <i>Electroanalysis</i> , 2020 , 32, 29-36	3	1
239	Ruthenium(II) Complex Containing a Redox-Active Semiquinonate Ligand as a Potential Chemotherapeutic Agent: From Synthesis to Studies. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 5568-5584	8.3	9
238	Cobalt-Salen Catalyzed Electroreductive Alkylation of Activated Olefins. <i>Journal of Chemistry</i> , 2019 , 2019, 1-6	2.3	4
237	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> , 2019 , 16, 1800195	3.4	3
236	Assessing the Electrocatalytic Properties of the {Cp*RhIII}2+-Polyoxometalate Derivative [H2PW11O39{RhIIICp*(OH2)}]3 towards CO2 Reduction. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 387-393	2.3	14
235	Coupling Electrochemical Adsorption and Long-range Electron Transfer: Label-free DNA Mismatch Detection with Ultramicroelectrode (UME). <i>Electroanalysis</i> , 2019 , 31, 2232-2237	3	2
234	Amperometric detection of diclofenac at a nano-structured multi-wall carbon nanotubes sensing films. <i>Inorganic Chemistry Communication</i> , 2019 , 107, 107454	3.1	10

233	Integrated microfluidic device for the separation, decomposition and detection of low molecular weight S-nitrosothiols. <i>Analyst, The</i> , 2018 , 144, 180-185	5	3
232	The enzyme-like catalytic activity of cerium oxide nanoparticles and its dependency on Ce surface area concentration. <i>Nanoscale</i> , 2018 , 10, 6971-6980	7.7	124
231	Development of a flow microsensor for selective detection of nitric oxide in the presence of hydrogen peroxide. <i>Electrochimica Acta</i> , 2018 , 286, 365-373	6.7	13
230	Electrochemical detection of nitric oxide and S-nitrosothiols in biological systems: Past, present & future. <i>Current Opinion in Electrochemistry</i> , 2018 , 12, 42-50	7.2	5
229	Electrochemical Behavior of Stainless Steels for Sudomotor Dysfunction Applications. <i>Electroanalysis</i> , 2018 , 30, 162-169	3	2
228	Scanning Electrochemical Microscopy 2018 ,		1
227	Electrochemical Behavior of Electrode Materials (Nickel and Stainless Steels) for Sudomotor Dysfunction Applications: A Review. <i>Electroanalysis</i> , 2018 , 30, 2525-2534	3	2
226	Rhenium Complexes Based on 2-Pyridyl-1,2,3-triazole Ligands: A New Class of CO Reduction Catalysts. <i>Inorganic Chemistry</i> , 2017 , 56, 2966-2976	5.1	39
225	Analysis of the evolution of the detection limits of electrochemical nucleic acid biosensors II. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4335-4352	4.4	7
224	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> , 2017 , 38, 2456-2461	3.6	6
223	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> , 2017 , 89, 10726-10733	7.8	29
222	Corrosion Behavior of Biocompatible Stainless Steels in Physiological Medium for Non-invasive Diagnosis of Small Fiber Neuropathies Applications. <i>Electroanalysis</i> , 2016 , 28, 380-384	3	4
221	Amperometric Quantification of S-Nitrosoglutathione Using Gold Nanoparticles: A Step toward Determination of S-Nitrosothiols in Plasma. <i>Analytical Chemistry</i> , 2016 , 88, 3115-20	7.8	11
220	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> , 2016 , 209, 269-277	6.7	13
219	Modified Electrodes with MN4 Complexes: Conception and Electroanalytical Performances for the Detection of Thiols 2016 , 277-321		
218	Electrochemical Detection of Nitric Oxide in Plant Cell Suspensions. <i>Methods in Molecular Biology</i> , 2016 , 1424, 127-37	1.4	3
217	Colorimetric analysis of the decomposition of S-nitrosothiols on paper-based microfluidic devices. <i>Analyst, The</i> , 2016 , 141, 6314-6320	5	12
216	Electrografting of aryl diazonium on thin layer platinum microbands: Towards customized surface functionalization within microsystems. <i>Electrochemistry Communications</i> , 2016 , 70, 78-81	5.1	3

215	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> , 2016 , 16, 4373-4381	7.2	19
214	Versatile functionalization of carbon electrodes with a polypyridine ligand: metallation and electrocatalytic H(+) and CO ₂ reduction. <i>Chemical Communications</i> , 2015 , 51, 2995-8	5.8	62
213	Two-step local functionalization of fluoropolymer Dyneon THV microfluidic materials by scanning electrochemical microscopy combined to click reaction. <i>Electrochemistry Communications</i> , 2015 , 60, 5-8	5.1	4
212	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> , 2015 , 407, 6221-6	4.4	8
211	Electrochemical sensors based on carbon nanomaterials for acetaminophen detection: A review. <i>Analytica Chimica Acta</i> , 2015 , 886, 16-28	6.6	101
210	Electrochemical Assessment of Possible Melatonin Effect On Nitric Oxide Production From Kidneys Of Sub-Acute Lead Treated Rats. <i>Electrochimica Acta</i> , 2015 , 166, 88-92	6.7	8
209	Enhanced electrochemical sensing of thiols based on cobalt phthalocyanine immobilized on nitrogen-doped graphene. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 438-44	11.8	72
208	Quantitation of Cu ⁺ -catalyzed Decomposition of S-Nitrosoglutathione Using Saville and Electrochemical Detection: a Pronounced Effect of Glutathione and Copper Concentrations. <i>Electroanalysis</i> , 2015 , 27, 2857-2863	3	6
207	Electro-Assisted Reduction of CO ₂ to CO and Formaldehyde by (TOA) ₆ [NiW ₁₁ O ₃₉ Co()] Polyoxometalate. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 3642-3648	2.3	29
206	Capillary electrophoresis coupled to contactless conductivity detection for the analysis of S-nitrosothiols decomposition and reactivity. <i>Electrophoresis</i> , 2015 , 36, 1982-8	3.6	8
205	Surface Modeling of Nanopatterned Polymer Films Obtained by Colloidal Templated Electropolymerization. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 3359-64	1.3	2
204	Biological cell morphology studies by scanning electrochemical microscopy imagery at constant height: Contrast enhancement using biocompatible conductive substrates. <i>Electrochimica Acta</i> , 2015 , 157, 95-100	6.7	6
203	Electrochemically assisted micro localized grafting of aptamers in a microchannel engraved in fluorinated thermoplastic polymer Dyneon THV. <i>RSC Advances</i> , 2015 , 5, 11128-11131	3.7	7
202	Preparation and Characterization of Electrodes Modified with Pyrrole Surfactant, Multiwalled Carbon Nanotubes and Metallophthalocyanines for the Electrochemical Detection of Thiols. <i>Electroanalysis</i> , 2014 , 26, 507-512	3	12
201	Adsorption and self-assembly of a ferrocene D- and L-nonapeptide disulfide onto gold and mica substrates. <i>New Journal of Chemistry</i> , 2014 , 38, 3637-3643	3.6	1
200	In Search of the Best Iron N ₄ -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> , 2014 , 5, 426-437	2.7	13
199	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> , 2014 , 11, 518-523	3.4	17
198	Electrochemical Devices for Monitoring Biomarkers in Embryo Development. <i>Electrochimica Acta</i> , 2014 , 140, 42-48	6.7	3

197	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> , 2014 , 140, 37-41	6.7	7
196	Array of ultramicroelectrodes for the simultaneous detection of nitric oxide and peroxynitrite in biological systems. <i>Electrochimica Acta</i> , 2014 , 140, 33-36	6.7	8
195	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> , 2013 , 405, 3475-88	4.4	32
194	Horseradish Peroxidase Nanopatterned Electrodes by Click Chemistry: Application to the Electrochemical Detection of Paracetamol. <i>Electroanalysis</i> , 2013 , 25, 1369-1372	3	6
193	Electroanalytical methodologies for the detection of S-nitrosothiols in biological fluids. <i>Analyst, The</i> , 2013 , 138, 5173-81	5	7
192	Electrochemical DNA-biosensors: Two-electrode setup well adapted for miniaturized devices. <i>Sensors and Actuators B: Chemical</i> , 2013 , 182, 510-513	8.5	14
191	Surface Functionalization of COC Microfluidic Materials by Plasma and Click Chemistry Processes. <i>Plasma Processes and Polymers</i> , 2013 , 10, 959-969	3.4	11
190	Analysis of the evolution of the detection limits of electrochemical DNA biosensors. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 3705-14	4.4	39
189	In situ characterization by cyclic voltammetry and conductance of composites based on polypyrrole, multi-walled carbon nanotubes and cobalt phthalocyanine. <i>Electrochimica Acta</i> , 2013 , 89, 840-847	6.7	19
188	Surface patterning using scanning electrochemical microscopy to locally trigger a Click Chemistry reaction. <i>Electrochemistry Communications</i> , 2013 , 31, 112-115	5.1	17
187	Electrochemical Detection of Nitric Oxide: Assessment of Twenty Years of Strategies. <i>Electroanalysis</i> , 2013 , 25, 587-600	3	49
186	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> , 2012 , 24, 386-391	3	8
185	Electrografted nanostructured platforms for click chemistry. <i>Electrochemistry Communications</i> , 2012 , 23, 141-144	5.1	22
184	Noninvasive Galvanic Skin Sensor for Early Diagnosis of Sudomotor Dysfunction: Application to Diabetes. <i>IEEE Sensors Journal</i> , 2012 , 12, 456-463	4	22
183	Ageing of nickel used as sensitive material for early detection of sudomotor dysfunction. <i>Applied Surface Science</i> , 2012 , 258, 2724-2731	6.7	5
182	4-Azidoaniline-based electropolymer as a building block for functionalisation of conductive surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 670, 79-84	4.1	13
181	Layer by Layer Electrode Surface Functionalisation Using Carbon Nanotubes, Electrochemical Grafting of Azide-Alkyne Functions and Click Chemistry. <i>Electroanalysis</i> , 2012 , 24, 1833-1838	3	13
180	Carbon nanotubes and metalloporphyrins and metallophthalocyanines-based materials for electroanalysis. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012 , 16, 713-740	1.8	39

179	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> , 2012 , 179, 337-343 ^{5.8}	2
178	Tictoid expanded pyridiniums: assessing structural, electrochemical, electronic, and photophysical features. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 7880-91	2.8 15
177	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> , 2012 , 57, 1244-1247	2.5 14
176	Electrochemical Characterization of Stainless Steel as a New Electrode Material in a Medical Device for the Diagnosis of Sudomotor Dysfunction. <i>Electroanalysis</i> , 2012 , 24, 1324-1333	3 9
175	Single-step versus stepwise two-electron reduction of polyarylpyridiniums: insights from the steric switching of redox potential compression. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2691-705 ^{16.4}	24
174	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> , 2012 , 3, 153-159	2.7 4
173	55 Electropolymerized Thin Films of Metalloporphyrins for Electrocatalysis and Electroanalysis. <i>Handbook of Porphyrin Science</i> , 2011 , 227-295	0.3 1
172	On-chip multi-electrochemical sensor array platform for simultaneous screening of nitric oxide and peroxynitrite. <i>Lab on A Chip</i> , 2011 , 11, 1342-50	7.2 45
171	Cyclic voltammetry and spectroelectrochemistry of a novel manganese phthalocyanine substituted with hexynyl groups. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 330-332	3.1 45
170	Comment on "Electrochemical detection of peroxynitrite using a biosensor based on a conducting polymer-manganese ion complex". <i>Analytical Chemistry</i> , 2011 , 83, 5463-4; author reply 5465-6	7.8 7
169	Microelectrochemical patterning of gold surfaces using 4-azidobenzenediazonium and scanning electrochemical microscopy. <i>Electrochemistry Communications</i> , 2011 , 13, 150-153	5.1 17
168	Micro-ring disc ultramicroelectrodes array for direct detection of NO-release from S-nitrosoglutathione. <i>Electrochemistry Communications</i> , 2011 , 13, 681-684	5.1 8
167	SUDOSCAN Device for the Early Detection of Diabetes: In Vitro Measurement versus Results of Clinical Tests. <i>Sensor Letters</i> , 2011 , 9, 2147-2149	0.9 4
166	Designing multifunctional expanded pyridiniums: properties of branched and fused head-to-tail bipyridiniums. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16700-13	16.4 55
165	Designing molecular materials and strategies for the electrochemical detection of nitric oxide, superoxide and peroxynitrite in biological systems. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 9976-88 ^{3.6}	55
164	Metallophthalocyanine-based molecular materials as catalysts for electrochemical reactions. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 2755-2791	23.2 417
163	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> , 2010 , 647, 93-96	4.1 15
162	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> , 2010 , 22, 2483-2490	3 18

161	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> , 2010 , 16, 11047-63	4.8	40
160	Electrochemical approach to detect the presence of peroxyxynitrite in aerobic neutral solution. <i>Electrochemistry Communications</i> , 2010 , 12, 1446-1449	5.1	14
159	Carbon nanotubes, phthalocyanines and porphyrins: attractive hybrid materials for electrocatalysis and electroanalysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 2201-14	1.3	106
158	In Vivo Electrochemical Detection of Nitroglycerin-Derived Nitric Oxide in Tumor-Bearing Mice. <i>Electroanalysis</i> , 2009 , 21, 631-634	3	9
157	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> , 2009 , 21, 2303-2310	3	29
156	Tuning the Formal Potential of Metallomacrocyclics for Maximum Catalytic Activity For the Oxidation of Thiols and Hydrazine. <i>ECS Transactions</i> , 2009 , 19, 97-112	1	6
155	Evaluation of the Performance of Manganese Phthalocyanines as Superoxide Dismutase Mimics. <i>Current Analytical Chemistry</i> , 2009 , 5, 330-338	1.7	7
154	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> , 2008 , 15, 133-141	1	5
153	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> , 2008 , 59, 3407-14	7	44
152	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> , 2008 , 12, 473-481 ^{2,6}		14
151	Electrochemical Characterization of Self-Assembled Monolayer of a Novel Manganese Tetrabenzylthio-Substituted Phthalocyanine and Its Use in Nitrite Oxidation. <i>Electroanalysis</i> , 2008 , 20, 1863-1872	3	16
150	Tuning the redox properties of Co-N4 macrocyclic complexes for the catalytic electrooxidation of glucose. <i>Electrochimica Acta</i> , 2008 , 53, 4883-4888	6.7	31
149	Electro-catalyzed oxidation of reduced glutathione and 2-mercaptoethanol by cobalt phthalocyanine-containing screen printed graphite electrodes. <i>Materials Science and Engineering C</i> , 2008 , 28, 606-612	8.3	24
148	In vivo electrochemical detection of nitric oxide in tumor-bearing mice. <i>Analytical Chemistry</i> , 2007 , 79, 1030-3	7.8	41
147	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> , 2007 , 9, 3383-96	3.6	104
146	Cobalt Phthalocyanine Molecular Electrode for the Electrochemical Investigation of the Release of Glutathione upon Copper-Catalyzed Decomposition of S-Nitrosoglutathione. <i>Electroanalysis</i> , 2007 , 19, 103-106	3	4
145	Electropolymerized Manganese Tetraaminophthalocyanine Thin Films onto Platinum Ultramicroelectrode for the Electrochemical Detection of Peroxyxynitrite in Solution. <i>Electroanalysis</i> , 2007 , 19, 61-64	3	33
144	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> , 2007 , 70, 147-54	5.6	74

143	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> , 2007 , 9, 1629-1634	5.1	59
142	Electrochemical analysis of the kinetics of nitric oxide release from two diazeniumdiolates in buffered aqueous solutions. <i>Electrochemistry Communications</i> , 2007 , 9, 2551-2556	5.1	24
141	Amperometric fluidic microchip array sensing device for nitric oxide determination in solution. <i>Materials Science and Engineering C</i> , 2006 , 26, 534-537	8.3	8
140	Self-Assembling of Redox-Active Atrazine Poly(ethylenimine) Conjugates [Interfacial Electrochemical and Spectroscopic Characterization. <i>Electroanalysis</i> , 2006 , 18, 684-694	3	3
139	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> , 2006 , 18, 1689-1695	3	15
138	Electrochemical Investigation of the Role of Reducing Agents in Copper-Catalyzed Nitric Oxide Release from S-Nitrosoglutathione. <i>Electroanalysis</i> , 2006 , 18, 1827-1832	3	14
137	Plasmid electrotransfer of eye ciliary muscle: principles and therapeutic efficacy using hTNF-alpha soluble receptor in uveitis. <i>FASEB Journal</i> , 2006 , 20, 389-91	0.9	50
136	Spectroscopic and electrochemical study of the adsorption of [Co(en) ₂ Cl ₂]Cl on gamma-alumina: influence of the alumina ligand on Co(III)/(II) redox potential. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 900-6	3.4	10
135	Self-assembled monolayers and electropolymerized thin films of phthalocyanines as molecular materials for electroanalysis. <i>Journal of Porphyrins and Phthalocyanines</i> , 2006 , 10, 1101-1115	1.8	46
134	Electropolymerized Metalloporphyrin Metallophthalocyanine and Metal Schiff Base Complex Films: Applications to Biomimetic Electrocatalysis and Bioelectroanalysis 2006 , 363-438		6
133	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> , 2006 , 128, 7510-21	16.4	75
132	Theoretical modelling of photoactive molecular systems: insights using the Density Functional Theory. <i>Comptes Rendus Chimie</i> , 2006 , 9, 226-239	2.7	15
131	Biocompatible carbon-based screen-printed electrodes for the electrochemical detection of nitric oxide. <i>Electrochemistry Communications</i> , 2006 , 8, 238-244	5.1	49
130	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> , 2006 , 8, 241-247	5.1	12
129	Electrocatalysis of oxidation of 2-mercaptoethanol, l-cysteine and reduced glutathione by adsorbed and electrodeposited cobalt tetra phenoxyppyrole and tetra ethoxythiophene substituted phthalocyanines. <i>Electrochimica Acta</i> , 2006 , 51, 5125-5130	6.7	51
128	Trends in reactivity of unsubstituted and substituted cobalt-phthalocyanines for the electrocatalysis of glucose oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2006 , 589, 212-218	4.1	59
127	Nanostructured zinc oxide[chromophore hybrid films with multicolored electrochromic properties. <i>Journal of Materials Chemistry</i> , 2005 , 15, 1552-1559		27
126	Combined system for the simultaneous optical and electrochemical monitoring of intra- and extracellular NO produced by glioblastoma cells. <i>Analytical Chemistry</i> , 2005 , 77, 2733-8	7.8	21

125	Simultaneous intra- and extracellular superoxide monitoring using an integrated optical and electrochemical sensor system. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 327, 979-84 ^{3,4}		25
124	Electro-oxidation of phenol and its derivatives on poly-Ni(OH)TPHPPc modified vitreous carbon electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 576, 323-332	4.1	62
123	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> , 2005 , 580, 50-56	4.1	28
122	Stable hemin embedded in Nafion [®] films for the catalytic reduction of trichloroacetic acid under hydrodynamic conditions. <i>Electrochemistry Communications</i> , 2005 , 7, 853-856	5.1	18
121	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> , 2005 , 20, 1559-65	11.8	41
120	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> , 2005 , 50, 4988-4994	6.7	17
119	Electropolymerized Pyrrole-Substituted Manganese Phthalocyanine Films for the Electroassisted Biomimetic Catalytic Reduction of Molecular Oxygen. <i>Electroanalysis</i> , 2005 , 17, 186-190	3	48
118	Photoinduced processes within compact dyads based on triphenylpyridinium-functionalized bipyridyl complexes of ruthenium(II). <i>Chemistry - A European Journal</i> , 2005 , 11, 3711-27	4.8	39
117	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> , 2005 , 21, 917-22	11.8	62
116	Effect of film thickness on the electro-reduction of molecular oxygen on electropolymerized cobalt tetra-aminophthalocyanine films. <i>Journal of Solid State Electrochemistry</i> , 2005 , 9, 21-29	2.6	27
115	Experimental and Theoretical Study of the Activity of Substituted Metallophthalocyanines for Nitrite Electro-oxidation. <i>Journal of the Electrochemical Society</i> , 2004 , 151, E32	3.9	44
114	Functionalised electrode array for the detection of nitric oxide released by endothelial cells using different NO-sensing chemistries. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 1594-600	4.4	33
113	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> , 2004 , 169, 59-63	3.3	25
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