

# Alain Walcarius

## 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.

274  
papers

12,198  
citations

58  
h-index

99  
g-index

289  
ext. papers

13,154  
ext. citations

5.7  
avg, IF

7.02  
L-index

#	Paper	IF	Citations
274	Multiphase chemical engineering as a tool in modelling electromediated reactions- example of Rh complex-mediated regeneration of NADH. <i>Chemical Engineering Science</i> , <b>2022</b> , 247, 117055	4.4	0
273	Switchable voltammetric response of electrodes modified with a mesoporous silica thin film and a polyelectrolyte multilayer. <i>Electrochemistry Communications</i> , <b>2021</b> , 132, 107142	5.1	
272	Multi-stimuli Photo and Redox-active Nanostructured Mesoporous Silica Films on Transparent Electrodes. <i>ChemPhysChem</i> , <b>2021</b> , 22, 2464-2477	3.2	0
271	Electrogeneration of a Free-Standing Cytochrome c-Silica Matrix at a Soft Electrified Interface. <i>Langmuir</i> , <b>2021</b> , 37, 4033-4041	4	2
270	Electrochemically Assisted Deposition of Nanoporous Silica Membranes on Gold Electrodes: Effect of 3-Mercaptopropyl(trimethoxysilane) Molecular Glue on Film Formation, Permeability and Metal Underpotential Deposition. <i>ChemElectroChem</i> , <b>2021</b> , 8, 142-150	4.3	3
269	A Sensitive Electrochemical Sensor for Moxifloxacin Hydrochloride Based on Nafion/Graphene Oxide/Zeolite Modified Carbon Paste Electrode. <i>Electroanalysis</i> , <b>2021</b> , 33, 964-974	3	7
268	Electrografting and electropolymerization of nanoarrays of PANI filaments through silica mesochannels. <i>Electrochemistry Communications</i> , <b>2021</b> , 122, 106896	5.1	6
267	Electron transfers in graphitized HZSM-5 zeolites. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 1914-1923	3.8	
266	Electroactive organically modified mesoporous silicates on graphene oxide-graphite 3D architectures operating with electron-hopping for high rate energy storage. <i>Electrochimica Acta</i> , <b>2021</b> , 366, 137407	6.7	2
265	Electrochemically assisted polyamide deposition at three-phase junction. <i>Electrochemistry Communications</i> , <b>2021</b> , 123, 106910	5.1	0
264	Synthesis of Vertically Aligned Porous Silica Thin Films Functionalized by Silver Ions. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
263	Electroinduced Surfactant Self-Assembly Driven to Vertical Growth of Oriented Mesoporous Films. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 3563-3575	24.3	3
262	Electrochemical stripping analysis from micro-counter electrode. <i>Electrochimica Acta</i> , <b>2021</b> , 393, 1390956.7	6.7	0
261	Redox-Active Vertically Aligned Mesoporous Silica Thin Films as Transparent Surfaces for Energy Storage Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 24262-24270	9.5	9
260	Moxifloxacin Hydrochloride Electrochemical Detection at Gold Nanoparticles Modified Screen-Printed Electrode. <i>Sensors</i> , <b>2020</b> , 20,	3.8	12
259	Promises of the Nano-World for electrochemical sensing and energy devices. <i>Journal of Solid State Electrochemistry</i> , <b>2020</b> , 24, 2189-2191	2.6	1
258	Permeability of Dawson-type polyoxometalates through vertically oriented nanoporous silica membranes on electrode: Effect of pore size and probe charge. <i>Electrochimica Acta</i> , <b>2020</b> , 353, 136577	6.7	

257	Scanning Gel Electrochemical Microscopy (SGECM): Lateral Physical Resolution by Current and Shear Force Feedback. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 6415-6422	7.8	7
256	Voltammetric behaviour of cationic redox probes at mesoporous silica film electrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 872, 113993	4.1	4
255	Selective Detection of Cysteine at a Mesoporous Silica Film Electrode Functionalized with Ferrocene in the Presence of Glutathione. <i>ChemElectroChem</i> , <b>2020</b> , 7, 2095-2101	4.3	7
254	Amino-grafting of montmorillonite improved by acid activation and application to the electroanalysis of catechol. <i>Applied Clay Science</i> , <b>2020</b> , 191, 105602	5.2	8
253	Bis(terpyridine) Iron(II) Functionalized Vertically-Oriented Nanostructured Silica Films: Toward Electrochromic Materials. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 830	5	7
252	An imidazolium ionic liquid as effective structure-directing agent for the fabrication of silica thin films with vertically aligned nanochannels. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 110407	5.3	2
251	Local removal of oxygen for NAD(P) <sup>+</sup> detection in aerated solutions. <i>Electrochimica Acta</i> , <b>2020</b> , 353, 136546	5.4	2
250	Signal amplification by electro-oligomerisation for improved isoproturon detection. <i>Talanta</i> , <b>2020</b> , 220, 121347	6.2	5
249	Voltammetric detection of caffeine in pharmacological and beverages samples based on simple nano- Co (II, III) oxide modified carbon paste electrode in aqueous and micellar media. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 302, 127172	8.5	25
248	Non-covalent Immobilization of Iron-triazole (Fe(Htrz) <sub>3</sub> ) Molecular Mediator in Mesoporous Silica Films for the Electrochemical Detection of Hydrogen Peroxide. <i>Electroanalysis</i> , <b>2020</b> , 32, 690-697	3	6
247	Thickness control in electrogenerated mesoporous silica films by wet etching and electrochemical monitoring of the process. <i>Electrochemistry Communications</i> , <b>2019</b> , 100, 11-15	5.1	1
246	Structure-reactivity requirements with respect to nickel-salen based polymers for enhanced electrochemical stability. <i>Electrochimica Acta</i> , <b>2019</b> , 315, 75-83	6.7	15
245	Evaluation of the electrocatalytic properties of Tungsten electrode towards hydrogen evolution reaction in acidic solutions. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 16487-16496	6.7	13
244	Layer-by-Layer modification of graphite felt with MWCNT for vanadium redox flow battery. <i>Electrochimica Acta</i> , <b>2019</b> , 313, 131-140	6.7	15
243	Synthesis, Crystal Structure, Electrochemistry and Electro-Catalytic Properties of the Manganese-Containing Polyoxotungstate, [(Mn(H <sub>2</sub> O) <sub>3</sub> ) <sub>2</sub> (H <sub>2</sub> W <sub>12</sub> O <sub>42</sub> )] <sub>6</sub> . <i>Inorganics</i> , <b>2019</b> , 7, 15	2.9	9
242	Voltammetric and microscopic characteristics of MnO <sub>2</sub> and silica-MnO <sub>2</sub> hybrid films electrodeposited on the surface of planar electrodes. <i>Electrochimica Acta</i> , <b>2019</b> , 306, 680-687	6.7	8
241	pH-modulated ion transport and amplified redox response of Keggin-type polyoxometalates through vertically-oriented mesoporous silica nanochannels. <i>Electrochimica Acta</i> , <b>2019</b> , 309, 209-218	6.7	13
240	Amino-attapulgit/mesoporous silica composite films generated by electro-assisted self-assembly for the voltammetric determination of diclofenac. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 287, 296-305	8.5	26

239	Cu Nanodendrite Foams on Integrated Band Array Electrodes for the Nonenzymatic Detection of Glucose. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 5878-5889	5.6	9
238	Sensitive Determination of Acetaminophen in the Presence of Dopamine and Pyridoxine Facilitated by their Extent of Interaction with Single-walled Carbon Nanotubes. <i>Electroanalysis</i> , <b>2019</b> , 31, 2472-2479 <sup>3</sup>		3
237	Coordination Polymers as Template for Mesoporous Silica Films: A Novel Composite Material Fe(Htrz) <sub>3</sub> @SiO <sub>2</sub> with Remarkable Electrochemical Properties. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 5796-5807 <sup>9.6</sup>		14
236	Mesoporous Silica-Based Materials for Electronics-Oriented Applications. <i>Molecules</i> , <b>2019</b> , 24,	4.8	32
235	Multi-step functionalization procedure for fabrication of vertically aligned mesoporous silica thin films with metal-containing molecules localized at the pores bottom. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 274, 356-362	5.3	9
234	Critical Effect of Film Thickness on Preconcentration Electroanalysis with Oriented Mesoporous Silica Modified Electrodes. <i>Electroanalysis</i> , <b>2019</b> , 31, 202-207	3	10
233	Porous and Transparent Metal-oxide Electrodes : Preparation Methods and Electroanalytical Application Prospects. <i>Electroanalysis</i> , <b>2018</b> , 30, 1241-1258	3	11
232	Mesoporous Silica Thin Films for Improved Electrochemical Detection of Paraquat. <i>ACS Sensors</i> , <b>2018</b> , 3, 484-493	9.2	82
231	Molecular and Biological Catalysts Coimmobilization on Electrode by Combining Diazonium Electrografting and Sequential Click Chemistry. <i>ChemElectroChem</i> , <b>2018</b> , 5, 2208-2217	4.3	15
230	Silica-based electrochemical sensors and biosensors: Recent trends. <i>Current Opinion in Electrochemistry</i> , <b>2018</b> , 10, 88-97	7.2	64
229	MS2 and Q $\beta$ bacteriophages reveal the contribution of surface hydrophobicity on the mobility of non-enveloped icosahedral viruses in SDS-based capillary zone electrophoresis. <i>Electrophoresis</i> , <b>2018</b> , 39, 377-385	3.6	3
228	Palladium-Prussian blue nanoparticles; as homogeneous and heterogeneous electrocatalysts. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 823, 747-754	4.1	6
227	Scanning Gel Electrochemical Microscopy for Topography and Electrochemical Imaging. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 8889-8895	7.8	10
226	Electrodeposition of silver amalgam particles on ITO $\Gamma$ Towards novel electrode material. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 821, 53-59	4.1	11
225	Design and properties of a novel radiopaque injectable apatitic calcium phosphate cement, suitable for image-guided implantation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2018</b> , 106, 2786-2795	3.5	6
224	Scanning gel electrochemical microscopy (SGECM): The potentiometric measurements. <i>Electrochemistry Communications</i> , <b>2018</b> , 97, 64-67	5.1	10
223	Electrocatalytic Biosynthesis using a Bucky Paper Functionalized by [Cp*Rh(bpy)Cl] <sup>+</sup> and a Renewable Enzymatic Layer. <i>ChemCatChem</i> , <b>2018</b> , 10, 4067-4073	5.2	12
222	Indirect amperometric detection of non-redox ions using a ferrocene-functionalized and oriented mesoporous silica thin film electrode. <i>Electrochimica Acta</i> , <b>2017</b> , 228, 659-666	6.7	8

221	Vertically Aligned and Ordered One-Dimensional Mesoscale Polyaniline. <i>Langmuir</i> , <b>2017</b> , 33, 4224-4234	4	13
220	3-Aminopropyltrimethoxysilane mediated solvent induced synthesis of gold nanoparticles for biomedical applications. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 45-54	8.3	7
219	Kinetics of the electrochemically-assisted deposition of sol-gel films. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 14972-14983	3.6	4
218	Covalent Immobilization of (2,2'-Bipyridyl) (Pentamethylcyclopentadienyl)-Rhodium Complex on a Porous Carbon Electrode for Efficient Electrocatalytic NADH Regeneration. <i>ACS Catalysis</i> , <b>2017</b> , 7, 4386-4394	13.1	48
217	Multi-layered, vertically-aligned and functionalized mesoporous silica films generated by sequential electrochemically assisted self-assembly. <i>Electrochimica Acta</i> , <b>2017</b> , 237, 227-236	6.7	16
216	Decorating soft electrified interfaces: From molecular assemblies to nano-objects. <i>Applied Materials Today</i> , <b>2017</b> , 9, 533-550	6.6	22
215	A straightforward approach to enhance the textural, mechanical and biological properties of injectable calcium phosphate apatitic cements (CPCs): CPC/blood composites, a comprehensive study. <i>Acta Biomaterialia</i> , <b>2017</b> , 62, 328-339	10.8	8
214	Functional Electrodes for Enzymatic Electrosynthesis		1
213	Copper Nanowires through Oriented Mesoporous Silica: A Step towards Protected and Parallel Atomic Switches. <i>Scientific Reports</i> , <b>2017</b> , 7, 17752	4.9	4
212	Recent Trends on Electrochemical Sensors Based on Ordered Mesoporous Carbon. <i>Sensors</i> , <b>2017</b> , 17,	3.8	48
211	Surface modification and porosimetry of vertically aligned hexagonal mesoporous silica films. <i>RSC Advances</i> , <b>2016</b> , 6, 113432-113441	3.7	6
210	Enzymatic bioreactor for simultaneous electrosynthesis and energy production. <i>Electrochimica Acta</i> , <b>2016</b> , 199, 342-348	6.7	15
209	Visualization of Diffusion within Nanoarrays. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 6689-95	7.8	17
208	Immobilization of Cysteine-Tagged Proteins on Electrode Surfaces by Thiol-Ene Click Chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 17591-8	9.5	24
207	An inorganic-organic hybrid material from the co-intercalation of a cationic surfactant and thiourea within montmorillonite layers: application to the sensitive stripping voltammetric detection of Pb <sup>2+</sup> and Cd <sup>2+</sup> ions. <i>Comptes Rendus Chimie</i> , <b>2016</b> , 19, 789-797	2.7	9
206	Local pH changes triggered by photoelectrochemistry for silica condensation at the liquid-liquid interface. <i>Electrochimica Acta</i> , <b>2016</b> , 188, 71-77	6.7	7
205	Clickable Bifunctional and Vertically Aligned Mesoporous Silica Films. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500440	4.6	29
204	Molecular Sieving with Vertically Aligned Mesoporous Silica Films and Electronic Wiring through Isolating Nanochannels. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 2511-2514	9.6	47

203	Electrografting of 3-Aminopropyltriethoxysilane on a Glassy Carbon Electrode for the Improved Adhesion of Vertically Oriented Mesoporous Silica Thin Films. <i>Langmuir</i> , <b>2016</b> , 32, 4323-32	4	33
202	Macroporous carbon nanotube-carbon composite electrodes. <i>Carbon</i> , <b>2016</b> , 109, 106-116	10.4	16
201	Amplified Charge Transfer for Anionic Redox Probes through Oriented Mesoporous Silica Thin Films. <i>ChemElectroChem</i> , <b>2016</b> , 3, 2130-2137	4.3	21
200	Mesoporous silica thin films for molecular sieving and electrode surface protection against biofouling. <i>Electrochemistry Communications</i> , <b>2015</b> , 52, 34-36	5.1	40
199	Preparation of ordered and oriented mesoporous silica thin films bearing octyl or hexadecyl groups by electrochemically assisted self-assembly and evaluation of their transport properties. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 2075-2085	2.6	7
198	Tetrazine-functionalized and vertically-aligned mesoporous silica films with electrochemical activity and fluorescence properties. <i>Electrochemistry Communications</i> , <b>2015</b> , 59, 9-12	5.1	16
197	Immobilization of membrane-bounded (S)-mandelate dehydrogenase in sol-gel matrix for electroenzymatic synthesis. <i>Bioelectrochemistry</i> , <b>2015</b> , 104, 65-70	5.6	9
196	Electrochemical response of vertically-aligned, ferrocene-functionalized mesoporous silica films: effect of the supporting electrolyte. <i>Electrochimica Acta</i> , <b>2015</b> , 179, 304-314	6.7	38
195	Electrochemical characterization of liquid-liquid micro-interfaces modified with mesoporous silica. <i>Electrochimica Acta</i> , <b>2015</b> , 179, 9-15	6.7	23
194	Mesoporous Materials-Based Electrochemical Sensors. <i>Electroanalysis</i> , <b>2015</b> , 27, 1303-1340	3	80
193	Electrochemically assisted deposition by local pH tuning: a versatile tool to generate ordered mesoporous silica thin films and layered double hydroxide materials. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 1905-1931	2.6	22
192	Highly Organized Ferrocene-Functionalized Nanoporous Silica Films with an Extremely Fast Electron-Transfer Rate for an Intrinsically Nonconducting Oxide-Modified Electrode. <i>ChemElectroChem</i> , <b>2015</b> , 2, 1695-1698	4.3	15
191	Amperometric Biosensor for Choline Based on Gold Screen-Printed Electrode Modified with Electrochemically-Deposited Silica Biocomposite. <i>Electroanalysis</i> , <b>2015</b> , 27, 1685-1692	3	19
190	Mesoporous Materials-Based Electrochemical Enzymatic Biosensors. <i>Electroanalysis</i> , <b>2015</b> , 27, 2028-2054		40
189	Organoclay-modified electrodes: preparation, characterization and recent electroanalytical applications. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 1949-1973	2.6	22
188	Ordered mesoporous silica films with pores oriented perpendicular to a titanium nitride substrate. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 4763-70	3.6	27
187	Tetrabutylammonium-modified clay film electrodes: characterization and application to the detection of metal ions. <i>Talanta</i> , <b>2014</b> , 125, 36-44	6.2	19
186	Sol-gel based Artificial Biofilm from <i>Pseudomonas fluorescens</i> using bovine heart cytochrome c as electron mediator. <i>Electrochemistry Communications</i> , <b>2014</b> , 38, 71-74	5.1	17

185	Vertically-aligned Mesoporous Silica Films. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2014</b> , 640, 537-546	1.3	42
184	High Frequency Impedance Measurement as a Relevant Tool for Monitoring the Apatitic Cement Setting Reaction. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 940-950	10.8	13
183	Interfacial processes studied by coupling electrochemistry at the polarised liquid-liquid interface with in situ confocal Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 26955-62	3.6	17
182	One-step co-intercalation of cetyltrimethylammonium and thiourea in smectite and application of the organoclay to the sensitive electrochemical detection of Pb(II). <i>Applied Clay Science</i> , <b>2014</b> , 99, 297-305	5.2	19
181	Electrochemically assisted generation of silica deposits using a surfactant template at liquid/liquid microinterfaces. <i>Langmuir</i> , <b>2014</b> , 30, 11453-63	4	32
180	Electro-Assisted Self-Assembly of Cetyltrimethylammonium-Templated Silica Films in Aqueous Media: Critical Effect of Counteranions on the Morphology and Mesostucture Type. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 1848-1858	9.6	22
179	An L-glucitol oxidizing dehydrogenase from Bradyrhizobium japonicum USDA 110 for production of D-sorbose with enzymatic or electrochemical cofactor regeneration. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 3023-32	5.7	9
178	Electrochemically assisted generation of highly ordered azide-functionalized mesoporous silica for oriented hybrid films. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 2945-50	16.4	72
177	Electrochemically Assisted Generation of Highly Ordered Azide-Functionalized Mesoporous Silica for Oriented Hybrid Films. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 2989-2994	3.6	9
176	Electrode Materials (Bulk Materials and Modification). <i>Nanostructure Science and Technology</i> , <b>2014</b> , 403-495	4.9	5
175	Glassy carbon electrode modified with a film of poly(Toluidine Blue O) and carbon nanotubes for nitrite detection. <i>Journal of Solid State Electrochemistry</i> , <b>2014</b> , 18, 1519-1528	2.6	22
174	Reagentless D-sorbitol biosensor based on D-sorbitol dehydrogenase immobilized in a sol-gel carbon nanotubes-poly(methylene green) composite. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 3899-906	4.4	17
173	Electrochemically assisted self-assembly of ordered and functionalized mesoporous silica films: impact of the electrode geometry and size on film formation and properties. <i>Faraday Discussions</i> , <b>2013</b> , 164, 259-73	3.6	41
172	Nanomaterials for bio-functionalized electrodes: recent trends. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 4878-4908	7.3	260
171	Electrochemically assisted bacteria encapsulation in thin hybrid sol-gel films. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 1052-1059	7.3	22
170	Interest of the Sol-Gel Approach for Multiscale Tailoring of Porous Bioelectrode Surfaces. <i>Electroanalysis</i> , <b>2013</b> , 25, 621-629	3	14
169	Clay-mesoporous silica composite films generated by electro-assisted self-assembly. <i>Electrochimica Acta</i> , <b>2013</b> , 112, 333-341	6.7	18
168	Characterization of MCM-41 with Immobilized Bi-functional SH/SO3H Layer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2013</b> , 23, 1409-1416	3.2	0

167	Platinum Ultramicroelectrodes Modified with Electrogenerated Surfactant-Templated Mesoporous Organosilica Films: Effect of Film Formation Conditions on Its Performance in Preconcentration Electroanalysis. <i>Electroanalysis</i> , <b>2013</b> , 25, 2595-2603	3	23
166	Functionalized carbon nanotubes for bioelectrochemical applications: Critical influence of the linker. <i>Journal of Electroanalytical Chemistry</i> , <b>2013</b> , 707, 129-133	4.1	8
165	Bimodal mesoporous titanium dioxide anatase films templated by a block polymer and an ionic liquid: influence of the porosity on the permeability. <i>Nanoscale</i> , <b>2013</b> , 5, 12316-29	7.7	23
164	Amperometric Sensors <b>2013</b> , 115-171		2
163	Electrophoretic deposition of macroporous carbon nanotube assemblies for electrochemical applications. <i>Carbon</i> , <b>2013</b> , 53, 302-312	10.4	14
162	One Step Deposition of Sol-Gel Carbon Nanotubes Biocomposite for Reagentless Electrochemical Devices. <i>Electroanalysis</i> , <b>2013</b> , 25, 85-93	3	15
161	In-situ formation of mesoporous silica films controlled by ion transfer voltammetry at the polarized liquid-liquid interface. <i>Electrochemistry Communications</i> , <b>2013</b> , 37, 76-79	5.1	25
160	Mesoporous materials and electrochemistry. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 4098-140	58.5	450
159	Chromium(VI) removal via reduction-sorption on bi-functional silica adsorbents. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 250-251, 454-61	12.8	52
158	Electrochemical approaches for the fabrication and/or characterization of pure and hybrid templated mesoporous oxide thin films: a review. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 1497-1512	4.4	59
157	Metal ion removal by ultrafiltration of colloidal suspensions of organically modified silica. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 417, 65-72	5.1	13
156	Sol-gel Approaches for Elaboration of Polyol Dehydrogenase-Based Bioelectrodes. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2013</b> , 227, 667-689	3.1	5
155	Electrocatalytic effect towards NADH induced by HiPco single-walled carbon nanotubes covalently functionalized by ferrocene derivatives. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1531, 1		1
154	Durable cofactor immobilization in sol-gel bio-composite thin films for reagentless biosensors and bioreactors using dehydrogenases. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 32, 111-7	11.8	41
153	Dehydrogenase-Based Reagentless Biosensors: Electrochemically Assisted Deposition of Sol-Gel Thin Films on Functionalized Carbon Nanotubes. <i>Electroanalysis</i> , <b>2012</b> , 24, 376-385	3	25
152	Covalent functionalization of few-wall carbon nanotubes by ferrocene derivatives for bioelectrochemical devices. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 2349-2352	1.3	10
151	Site selective generation of sol-gel deposits in layered bimetallic macroporous electrode architectures. <i>Langmuir</i> , <b>2012</b> , 28, 2323-6	4	10
150	Electrocatalysis, sensors and biosensors in analytical chemistry based on ordered mesoporous and macroporous carbon-modified electrodes. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2012</b> , 38, 79-97	14.6	123



149	Electrophoretically deposited carbon nanotubes as a novel support for electrogenerated silica-dehydrogenase bioelectrodes. <i>Electrochimica Acta</i> , <b>2012</b> , 83, 359-366	6.7	15
148	A Novel Highly Sensitive Zeolite-Based Conductometric Microsensor for Ammonium Determination. <i>Analytical Letters</i> , <b>2012</b> , 45, 1467-1484	2.2	13
147	One pot synthesis of ordered mesoporous organosilica particles bearing propyl-, octyl- and hexadecyl-chains. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 63, 587-594	2.3	5
146	New approaches for the local prevention of osteoporotic fractures. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1376, 26		1
145	Few-wall carbon nanotubes covalently functionalized by ferrocene groups for bioelectrochemical devices.. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1451, 111-116		
144	Multiscale-tailored bioelectrode surfaces for optimized catalytic conversion efficiency. <i>Langmuir</i> , <b>2011</b> , 27, 12737-44	4	14
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5	The methyl viologen incorporated zeolite modified carbon paste electrode part 2. Ion exchange and electron transfer mechanism in aqueous medium. <i>Electrochimica Acta</i> , <b>1993</b> , 38, 2267-2276	6.7	43
4	Electrochemistry within template nanosystems. <i>SPR Electrochemistry</i> , 124-197		1
3	Electroanalysis with Carbon Paste Electrodes		77
2	A hybrid electrochemical flow reactor to couple H <sub>2</sub> oxidation to NADH regeneration for biochemical reactions. <i>Electrochemical Science Advances</i> , e202100012		1
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