

Alain Walcarius

List of Publications by Year in descending order

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278
papers

14,382
citations

19608

61
h-index

27345

106
g-index

289
all docs

289
docs citations

289
times ranked

11085
citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid electrochemical flow reactor to couple H ₂ oxidation to NADH regeneration for biochemical reactions. <i>Electrochemical Science Advances</i> , 2022, 2, e202100012.	1.2	3
2	Preparation of Functionalized <i>Ayous</i> Sawdust-carbon Nanotubes Composite for the Electrochemical Determination of Carbendazim Pesticide. <i>Electroanalysis</i> , 2022, 34, 667-676.	1.5	9
3	Multiphase chemical engineering as a tool in modelling electromediated reactions- example of Rh complex-mediated regeneration of NADH. <i>Chemical Engineering Science</i> , 2022, 247, 117055.	1.9	2
4	Fabrication of Polyaniline (PANI) through Parallel Nanopores: Charge Transport Properties of PANI@SiO ₂ Nanopore Molecular Junctions. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 065009.	0.9	2
5	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> , 2021, 8, 142-150.	1.7	8
6	A Sensitive Electrochemical Sensor for Moxifloxacin Hydrochloride Based on Nafion/Graphene Oxide/Zeolite Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2021, 33, 964-974.	1.5	20
7	Electrografting and electropolymerization of nanoarrays of PANI filaments through silica mesochannels. <i>Electrochemistry Communications</i> , 2021, 122, 106896.	2.3	15
8	Electron transfers in graphitized HZSM-5 zeolites. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1914-1922.	1.3	1
9	Electroactive organically modified mesoporous silicates on graphene oxide-graphite 3D architectures operating with electron-hopping for high rate energy storage. <i>Electrochimica Acta</i> , 2021, 366, 137407.	2.6	8
10	Electrochemically assisted polyamide deposition at three-phase junction. <i>Electrochemistry Communications</i> , 2021, 123, 106910.	2.3	5
11	Electrogeneration of a Free-Standing Cytochrome c-Silica Matrix at a Soft Electrified Interface. <i>Langmuir</i> , 2021, 37, 4033-4041.	1.6	9
12	Synthesis of Vertically Aligned Porous Silica Thin Films Functionalized by Silver Ions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7505.	1.8	4
13	Electroinduced Surfactant Self-Assembly Driven to Vertical Growth of Oriented Mesoporous Films. <i>Accounts of Chemical Research</i> , 2021, 54, 3563-3575.	7.6	38
14	Electrochemical stripping analysis from micro-counter electrode. <i>Electrochimica Acta</i> , 2021, 393, 139095.	2.6	3
15	Polyaniline nanowire arrays generated through oriented mesoporous silica films: effect of pore size and spectroelectrochemical response. <i>Faraday Discussions</i> , 2021, 233, 77-99.	1.6	7
16	Switchable voltammetric response of electrodes modified with a mesoporous silica thin film and a polyelectrolyte multilayer. <i>Electrochemistry Communications</i> , 2021, 132, 107142.	2.3	1
17	Multi-stimuli Photo and Redox-active Nanostructured Mesoporous Silica Films on Transparent Electrodes. <i>ChemPhysChem</i> , 2021, 22, 2464-2477.	1.0	4
18	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> , 2020, 302, 127172.	4.0	49

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19	Non-covalent Immobilization of Iron-triazole ($\text{Fe}(\text{Htrz})_3$) Molecular Mediator in Mesoporous Silica Films for the Electrochemical Detection of Hydrogen Peroxide. <i>Electroanalysis</i> , 2020, 32, 690-697.	1.5	14
20	Bis(terpyridine) Iron(II) Functionalized Vertically-Oriented Nanostructured Silica Films: Toward Electrochromic Materials. <i>Frontiers in Chemistry</i> , 2020, 8, 830.	1.8	14
21	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> , 2020, , 110407.	2.2	8
22	Local removal of oxygen for NAD(P) ⁺ detection in aerated solutions. <i>Electrochimica Acta</i> , 2020, 353, 136546.	2.6	5
23	Signal amplification by electro-oligomerisation for improved isoproturon detection. <i>Talanta</i> , 2020, 220, 121347.	2.9	11
24	Redox-Active Vertically Aligned Mesoporous Silica Thin Films as Transparent Surfaces for Energy Storage Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24262-24270.	4.0	20
25	Moxifloxacin Hydrochloride Electrochemical Detection at Gold Nanoparticles Modified Screen-Printed Electrode. <i>Sensors</i> , 2020, 20, 2797.	2.1	19
26	Promises of the "Nano-World" for electrochemical sensing and energy devices. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2189-2191.	1.2	1
27	Permeability of Dawson-type polyoxometalates through vertically oriented nanoporous silica membranes on electrode: Effect of pore size and probe charge. <i>Electrochimica Acta</i> , 2020, 353, 136577.	2.6	3
28	Scanning Gel Electrochemical Microscopy (SGECM): Lateral Physical Resolution by Current and Shear Force Feedback. <i>Analytical Chemistry</i> , 2020, 92, 6415-6422.	3.2	11
29	Voltammetric behaviour of cationic redox probes at mesoporous silica film electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2020, 872, 113993.	1.9	17
30	Selective Detection of Cysteine at a Mesoporous Silica Film Electrode Functionalized with Ferrocene in the Presence of Glutathione. <i>ChemElectroChem</i> , 2020, 7, 2095-2101.	1.7	17
31	Amino-grafting of montmorillonite improved by acid activation and application to the electroanalysis of catechol. <i>Applied Clay Science</i> , 2020, 191, 105602.	2.6	11
32	Cu Nanodendrite Foams on Integrated Band Array Electrodes for the Nonenzymatic Detection of Glucose. <i>ACS Applied Nano Materials</i> , 2019, 2, 5878-5889.	2.4	29
33	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> , 2019, 31, 2472-2479.	1.5	8
34	Coordination Polymers as Template for Mesoporous Silica Films: A Novel Composite Material $\text{Fe}(\text{Htrz})_3 @ \text{SiO}_2$ with Remarkable Electrochemical Properties. <i>Chemistry of Materials</i> , 2019, 31, 5796-5807.	3.2	22
35	Mesoporous Silica-Based Materials for Electronics-Oriented Applications. <i>Molecules</i> , 2019, 24, 2395.	1.7	59
36	Thickness control in electrogenerated mesoporous silica films by wet etching and electrochemical monitoring of the process. <i>Electrochemistry Communications</i> , 2019, 100, 11-15.	2.3	4

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37	Structure-reactivity requirements with respect to nickel-salen based polymers for enhanced electrochemical stability. <i>Electrochimica Acta</i> , 2019, 315, 75-83.	2.6	24
38	Evaluation of the electrocatalytic properties of Tungsten electrode towards hydrogen evolution reaction in acidic solutions. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16487-16496.	3.8	18
39	Layer-by-Layer modification of graphite felt with MWCNT for vanadium redox flow battery. <i>Electrochimica Acta</i> , 2019, 313, 131-140.	2.6	22
40	Synthesis, Crystal Structure, Electrochemistry and Electro-Catalytic Properties of the Manganese-Containing Polyoxotungstate, $[(Mn(H_2O)_3)_2(H_2W_{12}O_{42})]_6^{8-}$. <i>Inorganics</i> , 2019, 7, 15.	1.2	12
41	Voltammetric and microscopic characteristics of MnO ₂ and silica-MnO ₂ hybrid films electrodeposited on the surface of planar electrodes. <i>Electrochimica Acta</i> , 2019, 306, 680-687.	2.6	12
42	pH-modulated ion transport and amplified redox response of Keggin-type polyoxometalates through vertically-oriented mesoporous silica nanochannels. <i>Electrochimica Acta</i> , 2019, 309, 209-218.	2.6	17
43	Amino-attapulgite/mesoporous silica composite films generated by electro-assisted self-assembly for the voltammetric determination of diclofenac. <i>Sensors and Actuators B: Chemical</i> , 2019, 287, 296-305.	4.0	37
44	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> , 2019, 274, 356-362.	2.2	17
45	Critical Effect of Film Thickness on Preconcentration Electroanalysis with Oriented Mesoporous Silica Modified Electrodes. <i>Electroanalysis</i> , 2019, 31, 202-207.	1.5	12
46	Porous and Transparent Metal Oxide Electrodes: Preparation Methods and Electroanalytical Application Prospects. <i>Electroanalysis</i> , 2018, 30, 1241-1258.	1.5	15
47	Mesoporous Silica Thin Films for Improved Electrochemical Detection of Paraquat. <i>ACS Sensors</i> , 2018, 3, 484-493.	4.0	127
48	Molecular and Biological Catalysts Coimmobilization on Electrode by Combining Diazonium Electrografting and Sequential Click Chemistry. <i>ChemElectroChem</i> , 2018, 5, 2208-2217.	1.7	22
49	Silica-based electrochemical sensors and biosensors: Recent trends. <i>Current Opinion in Electrochemistry</i> , 2018, 10, 88-97.	2.5	99
50	MS2 and Q β bacteriophages reveal the contribution of surface hydrophobicity on the mobility of non-enveloped icosahedral viruses in SDS-based capillary zone electrophoresis. <i>Electrophoresis</i> , 2018, 39, 377-385.	1.3	9
51	Electrodeposition of silver amalgam particles on ITO – Towards novel electrode material. <i>Journal of Electroanalytical Chemistry</i> , 2018, 821, 53-59.	1.9	14
52	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> , 2018, 106, 2786-2795.	1.6	11
53	Scanning gel electrochemical microscopy (SGECM): The potentiometric measurements. <i>Electrochemistry Communications</i> , 2018, 97, 64-67.	2.3	14
54	Electrocatalytic Biosynthesis using a Bucky Paper Functionalized by $[Cp^*Rh(bpy)Cl]$ and a Renewable Enzymatic Layer. <i>ChemCatChem</i> , 2018, 10, 4067-4073.	1.8	29

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55	Palladium-Prussian blue nanoparticles; as homogeneous and heterogeneous electrocatalysts. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 747-754.	1.9	7
56	Scanning Gel Electrochemical Microscopy for Topography and Electrochemical Imaging. <i>Analytical Chemistry</i> , 2018, 90, 8889-8895.	3.2	14
57	Indirect amperometric detection of non-redox ions using a ferrocene-functionalized and oriented mesoporous silica thin film electrode. <i>Electrochimica Acta</i> , 2017, 228, 659-666.	2.6	10
58	Vertically Aligned and Ordered One-Dimensional Mesoscale Polyaniline. <i>Langmuir</i> , 2017, 33, 4224-4234.	1.6	21
59	3-Aminopropyltrimethoxysilane mediated solvent induced synthesis of gold nanoparticles for biomedical applications. <i>Materials Science and Engineering C</i> , 2017, 79, 45-54.	3.8	9
60	Kinetics of the electrochemically-assisted deposition of sol-gel films. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14972-14983.	1.3	9
61	Covalent Immobilization of (2,2'-Bipyridyl) (Pentamethylcyclopentadienyl)-Rhodium Complex on a Porous Carbon Electrode for Efficient Electrocatalytic NADH Regeneration. <i>ACS Catalysis</i> , 2017, 7, 4386-4394.	5.5	65
62	Multi-layered, vertically-aligned and functionalized mesoporous silica films generated by sequential electrochemically assisted self-assembly. <i>Electrochimica Acta</i> , 2017, 237, 227-236.	2.6	25
63	Decorating soft electrified interfaces: From molecular assemblies to nano-objects. <i>Applied Materials Today</i> , 2017, 9, 533-550.	2.3	30
64	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> , 2017, 62, 328-339.	4.1	15
65	Physical Chemistry in France. <i>ChemPhysChem</i> , 2017, 18, 2558-2559.	1.0	0
66	Functional Electrodes for Enzymatic Electrosynthesis. , 2017, , 215-271.		1
67	Copper Nanowires through Oriented Mesoporous Silica: A Step towards Protected and Parallel Atomic Switches. <i>Scientific Reports</i> , 2017, 7, 17752.	1.6	7
68	Recent Trends on Electrochemical Sensors Based on Ordered Mesoporous Carbon. <i>Sensors</i> , 2017, 17, 1863.	2.1	60
69	Clickable Bifunctional and Vertically Aligned Mesoporous Silica Films. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500440.	1.9	38
70	Molecular Sieving with Vertically Aligned Mesoporous Silica Films and Electronic Wiring through Isolating Nanochannels. <i>Chemistry of Materials</i> , 2016, 28, 2511-2514.	3.2	58
71	Electrografting of 3-Aminopropyltriethoxysilane on a Glassy Carbon Electrode for the Improved Adhesion of Vertically Oriented Mesoporous Silica Thin Films. <i>Langmuir</i> , 2016, 32, 4323-4332.	1.6	46
72	Macroporous carbon nanotube-carbon composite electrodes. <i>Carbon</i> , 2016, 109, 106-116.	5.4	18

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73	Amplified Charge Transfer for Anionic Redox Probes through Oriented Mesoporous Silica Thin Films. <i>ChemElectroChem</i> , 2016, 3, 2130-2137.	1.7	33
74	Surface modification and porosimetry of vertically aligned hexagonal mesoporous silica films. <i>RSC Advances</i> , 2016, 6, 113432-113441.	1.7	11
75	Enzymatic bioreactor for simultaneous electrosynthesis and energy production. <i>Electrochimica Acta</i> , 2016, 199, 342-348.	2.6	20
76	Visualization of Diffusion within Nanoarrays. <i>Analytical Chemistry</i> , 2016, 88, 6689-6695.	3.2	20
77	Immobilization of Cysteine-Tagged Proteins on Electrode Surfaces by Thiolâ€“ene Click Chemistry. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17591-17598.	4.0	34
78	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 ²⁺ and Cd ²⁺ ions. <i>Comptes Rendus Chimie</i> , 2016, 19, 789-797.	0.2	11
79	Local pH changes triggered by photoelectrochemistry for silica condensation at the liquid-liquid interface. <i>Electrochimica Acta</i> , 2016, 188, 71-77.	2.6	10
80	Highly Organized Ferroceneâ€“Functionalized Nanoporous Silica Films with an Extremely Fast Electronâ€“Transfer Rate for an Intrinsically Nonconducting Oxideâ€“Modified Electrode. <i>ChemElectroChem</i> , 2015, 2, 1695-1698.	1.7	17
81	Amperometric Biosensor for Choline Based on Gold Screenâ€“Printed Electrode Modified with Electrochemicallyâ€“Deposited Silica Biocomposite. <i>Electroanalysis</i> , 2015, 27, 1685-1692.	1.5	22
82	Mesoporous Materialsâ€“Based Electrochemical Enzymatic Biosensors. <i>Electroanalysis</i> , 2015, 27, 2028-2054.	1.5	48
83	Organoclay-modified electrodes: preparation, characterization and recent electroanalytical applications. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1949-1973.	1.2	29
84	Ordered mesoporous silica films with pores oriented perpendicular to a titanium nitride substrate. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 4763-4770.	1.3	39
85	Mesoporous silica thin films for molecular sieving and electrode surface protection against biofouling. <i>Electrochemistry Communications</i> , 2015, 52, 34-36.	2.3	49
86	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> , 2015, 19, 2075-2085.	1.2	10
87	Electrochemistry supported by zeolites, clays, layered double hydroxides, ordered mesoporous (organo)silicas, and related materials. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1885-1886.	1.2	1
88	Tetrazine-functionalized and vertically-aligned mesoporous silica films with electrochemical activity and fluorescence properties. <i>Electrochemistry Communications</i> , 2015, 59, 9-12.	2.3	19
89	Immobilization of membrane-bounded (S)-mandelate dehydrogenase in solâ€“gel matrix for electroenzymatic synthesis. <i>Bioelectrochemistry</i> , 2015, 104, 65-70.	2.4	10
90	Electrochemical response of vertically-aligned, ferrocene-functionalized mesoporous silica films: effect of the supporting electrolyte. <i>Electrochimica Acta</i> , 2015, 179, 304-314.	2.6	46

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91	Electrochemical characterization of liquid-liquid micro-interfaces modified with mesoporous silica. <i>Electrochimica Acta</i> , 2015, 179, 9-15.	2.6	26
92	Mesoporous Materialsâ€Based Electrochemical Sensors. <i>Electroanalysis</i> , 2015, 27, 1303-1340.	1.5	111
93	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> , 2015, 19, 1905-1931.	1.2	31
94	Electrode Materials (Bulk Materials and Modification). <i>Nanostructure Science and Technology</i> , 2014, , 403-495.	0.1	6
95	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> , 2014, 18, 1519-1528.	1.2	28
96	Tetrabutylammonium-modified clay film electrodes: Characterization and application to the detection of metal ions. <i>Talanta</i> , 2014, 125, 36-44.	2.9	21
97	Solâ€gel based â€artificialâ€ biofilm from <i>Pseudomonas fluorescens</i> using bovine heart cytochrome c as electron mediator. <i>Electrochemistry Communications</i> , 2014, 38, 71-74.	2.3	19
98	Verticallyâ€aligned Mesoporous Silica Films. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 537-546.	0.6	46
99	High-frequency impedance measurement as a relevant tool for monitoring the apatitic cement setting reaction. <i>Acta Biomaterialia</i> , 2014, 10, 940-950.	4.1	15
100	Interfacial processes studied by coupling electrochemistry at the polarised liquidâ€liquid interface with in situ confocal Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26955-26962.	1.3	21
101	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> , 2014, 99, 297-305.	2.6	28
102	Electrochemically Assisted Generation of Silica Deposits Using a Surfactant Template at Liquid/Liquid Microinterfaces. <i>Langmuir</i> , 2014, 30, 11453-11463.	1.6	37
103	Electro-Assisted Self-Assembly of Cetyltrimethylammonium-Templated Silica Films in Aqueous Media: Critical Effect of Counteranions on the Morphology and Mesostructure Type. <i>Chemistry of Materials</i> , 2014, 26, 1848-1858.	3.2	26
104	An l-glucitol oxidizing dehydrogenase from <i>Bradyrhizobium japonicum</i> USDA 110 for production of d-sorbose with enzymatic or electrochemical cofactor regeneration. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3023-3032.	1.7	9
105	Electrochemically Assisted Generation of Highly Ordered Azideâ€Functionalized Mesoporous Silica for Oriented Hybrid Films. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2945-2950.	7.2	79
106	Reagentless d-sorbitol biosensor based on d-sorbitol dehydrogenase immobilized in a solâ€gel carbon nanotubesâ€poly(methylene green) composite. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3899-3906.	1.9	20
107	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> , 2013, 164, 259.	1.6	52
108	Nanomaterials for bio-functionalized electrodes: recent trends. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4878.	2.9	302

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109	Electrochemically assisted bacteria encapsulation in thin hybrid sol-gel films. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1052.	2.9	26
110	Interest of the Sol-Gel Approach for Multiscale Tailoring of Porous Bioelectrode Surfaces. <i>Electroanalysis</i> , 2013, 25, 621-629.	1.5	16
111	Clay-mesoporous silica composite films generated by electro-assisted self-assembly. <i>Electrochimica Acta</i> , 2013, 112, 333-341.	2.6	22
112	Characterization of MCM-41 with Immobilized Bi-functional SH/SO ₃ H Layer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 1409-1416.	1.9	1
113	Platinum Ultramicroelectrodes Modified with Electrogenerated Surfactant-Templated Mesoporous Organosilica Films: Effect of Film Formation Conditions on Its Performance in Preconcentration. <i>Electroanalysis</i> . <i>Electroanalysis</i> , 2013, 25, 2595-2603.	1.5	23
114	Functionalized carbon nanotubes for bioelectrochemical applications: Critical influence of the linker. <i>Journal of Electroanalytical Chemistry</i> , 2013, 707, 129-133.	1.9	9
115	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> , 2013, 5, 12316.	2.8	24
116	Electrophoretic deposition of macroporous carbon nanotube assemblies for electrochemical applications. <i>Carbon</i> , 2013, 53, 302-312.	5.4	14
117	One Step Deposition of Sol-Gel Carbon Nanotubes Biocomposite for Reagentless Electrochemical Devices. <i>Electroanalysis</i> , 2013, 25, 85-93.	1.5	17
118	In-situ formation of mesoporous silica films controlled by ion transfer voltammetry at the polarized liquid-liquid interface. <i>Electrochemistry Communications</i> , 2013, 37, 76-79.	2.3	29
119	Mesoporous materials and electrochemistry. <i>Chemical Society Reviews</i> , 2013, 42, 4098.	18.7	541
120	Chromium(VI) removal via reduction-sorption on bi-functional silica adsorbents. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 454-461.	6.5	67
121	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> , 2013, 405, 1497-1512.	1.9	71
122	Metal ion removal by ultrafiltration of colloidal suspensions of organically modified silica. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 417, 65-72.	2.3	13
123	Sol-gel Approaches for Elaboration of Polyol Dehydrogenase-Based Bioelectrodes. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013, 227, 667-689.	1.4	6
124	Electrocatalytic effect towards NADH induced by HiPco single-walled carbon nanotubes covalently functionalized by ferrocene derivatives. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1531, 1.	0.1	1
125	New approaches for the local prevention of osteoporotic fractures. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1376, 26.	0.1	1
126	Few-wall carbon nanotubes covalently functionalized by ferrocene groups for bioelectrochemical devices.. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1451, 111-116.	0.1	0

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127	Covalent functionalization of few-wall carbon nanotubes by ferrocene derivatives for bioelectrochemical devices. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2349-2352.	0.7	12
128	Site Selective Generation of Sol-Gel Deposits in Layered Bimetallic Macroporous Electrode Architectures. <i>Langmuir</i> , 2012, 28, 2323-2326.	1.6	11
129	Electrocatalysis, sensors and biosensors in analytical chemistry based on ordered mesoporous and macroporous carbon-modified electrodes. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 38, 79-97.	5.8	132
130	Electrophoretically deposited carbon nanotubes as a novel support for electrogenerated silica-dehydrogenase bioelectrodes. <i>Electrochimica Acta</i> , 2012, 83, 359-366.	2.6	20
131	A Novel Highly Sensitive Zeolite-Based Conductometric Microsensor for Ammonium Determination. <i>Analytical Letters</i> , 2012, 45, 1467-1484.	1.0	17
132	One pot synthesis of ordered mesoporous organosilica particles bearing propyl-, octyl- and hexadecyl-chains. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 63, 587-594.	1.1	5
133	Durable cofactor immobilization in sol-gel bio-composite thin films for reagentless biosensors and bioreactors using dehydrogenases. <i>Biosensors and Bioelectronics</i> , 2012, 32, 111-117.	5.3	47
134	Dehydrogenase-Based Reagentless Biosensors: Electrochemically Assisted Deposition of Sol-Gel Thin Films on Functionalized Carbon Nanotubes. <i>Electroanalysis</i> , 2012, 24, 376-385.	1.5	27
135	Microscale Controlled Electrogeneration of Patterned Mesoporous Silica Thin Films. <i>Chemistry of Materials</i> , 2011, 23, 5313-5322.	3.2	35
136	Controlled Electrochemically-Assisted Deposition of Sol-Gel Biocomposite on Electrospun Platinum Nanofibers. <i>Langmuir</i> , 2011, 27, 7140-7147.	1.6	19
137	Multiscale-Tailored Bioelectrode Surfaces for Optimized Catalytic Conversion Efficiency. <i>Langmuir</i> , 2011, 27, 12737-12744.	1.6	14
138	Electrochemical response of ascorbic and uric acids at organoclay film modified glassy carbon electrodes and sensing applications. <i>Talanta</i> , 2011, 85, 754-762.	2.9	40
139	Conductometric enzyme biosensors based on natural zeolite clinoptilolite for urea determination. <i>Materials Science and Engineering C</i> , 2011, 31, 1490-1497.	3.8	56
140	Electrochemically assisted deposition of sol-gel bio-composite with co-immobilized dehydrogenase and diaphorase. <i>Electrochimica Acta</i> , 2011, 56, 9032-9040.	2.6	34
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