

Alain Walcarius

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Paste Electrodes in Facts, Numbers, and Notes: A Review on the Occasion of the 50 th Years Jubilee of Carbon Paste in Electrochemistry and Electroanalysis. <i>Electroanalysis</i> , 2009, 21, 7-28.	1.5	584
2	Mesoporous materials and electrochemistry. <i>Chemical Society Reviews</i> , 2013, 42, 4098.	18.7	541
3	Mesoporous organosilica adsorbents: nanoengineered materials for removal of organic and inorganic pollutants. <i>Journal of Materials Chemistry</i> , 2010, 20, 4478.	6.7	519
4	Electrochemically assisted self-assembly of mesoporous silica thin films. <i>Nature Materials</i> , 2007, 6, 602-608.	13.3	487
5	Electrochemical Applications of Silica-Based Organic-Inorganic Hybrid Materials. <i>Chemistry of Materials</i> , 2001, 13, 3351-3372.	3.2	355
6	Nanomaterials for bio-functionalized electrodes: recent trends. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4878.	2.9	302
7	Rate of Access to the Binding Sites in Organically Modified Silicates. 2. Ordered Mesoporous Silicas Grafted with Amine or Thiol Groups. <i>Chemistry of Materials</i> , 2003, 15, 2161-2173.	3.2	274
8	Exciting new directions in the intersection of functionalized sol-gel materials with electrochemistry. <i>Journal of Materials Chemistry</i> , 2005, 15, 3663.	6.7	267
9	Analytical investigation of the chemical reactivity and stability of aminopropyl-grafted silica in aqueous medium. <i>Talanta</i> , 2003, 59, 1173-1188.	2.9	264
10	Zeolite-modified electrodes in electroanalytical chemistry. <i>Analytica Chimica Acta</i> , 1999, 384, 1-16.	2.6	220
11	Electroanalysis with Pure, Chemically Modified and Sol-Gel-Derived Silica-Based Materials. <i>Electroanalysis</i> , 2001, 13, 701-718.	1.5	208
12	Rate of Access to the Binding Sites in Organically Modified Silicates. 3. Effect of Structure and Density of Functional Groups in Mesoporous Solids Obtained by the Co-Condensation Route. <i>Chemistry of Materials</i> , 2003, 15, 4181-4192.	3.2	203
13	Molecular Transport into Mesostructured Silica Thin Films: Electrochemical Monitoring and Comparison between $P6m$, $P63/mmc$, and $Pm3n$ Structures. <i>Chemistry of Materials</i> , 2007, 19, 844-856.	3.2	177
14	Analytical Chemistry with Silica Sol-Gels: Traditional Routes to New Materials for Chemical Analysis. <i>Annual Review of Analytical Chemistry</i> , 2009, 2, 121-143.	2.8	168
15	Oriented Mesoporous Silica Films Obtained by Electro-Assisted Self-Assembly (EASA). <i>Chemistry of Materials</i> , 2009, 21, 731-741.	3.2	168
16	Ordered porous thin films in electrochemical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 593-603.	5.8	162
17	Zeolite-modified carbon paste electrode for selective monitoring of dopamine. <i>Journal of Electroanalytical Chemistry</i> , 1996, 407, 183-187.	1.9	152
18	Rate of Access to the Binding Sites in Organically Modified Silicates. 1. Amorphous Silica Gels Grafted with Amine or Thiol Groups. <i>Chemistry of Materials</i> , 2002, 14, 2757-2766.	3.2	151

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19	Mercury(II) binding to thiol-functionalized mesoporous silicas: critical effect of pH and sorbent properties on capacity and selectivity. <i>Analytica Chimica Acta</i> , 2005, 547, 3-13.	2.6	148
20	Electroanalytical Applications of Microporous Zeolites and Mesoporous (Organo)Silicas: Recent Trends. <i>Electroanalysis</i> , 2008, 20, 711-738.	1.5	145
21	Zeolite-modified electrodes: Analytical applications and prospects. <i>Electroanalysis</i> , 1996, 8, 971-986.	1.5	139
22	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
23	Direct electrochemistry of hemoglobin and glucose oxidase in electrodeposited sol-gel silica thin films on glassy carbon. <i>Electrochemistry Communications</i> , 2007, 9, 1189-1195.	2.3	131
24	Analytical Applications of Silica-Modified Electrodes -A Comprehensive Review. <i>Electroanalysis</i> , 1999, 10, 1217-1235.	1.5	130
25	Mesoporous Silica Thin Films for Improved Electrochemical Detection of Paraquat. <i>ACS Sensors</i> , 2018, 3, 484-493.	4.0	127
26	Voltammetric detection of copper(II) at a carbon paste electrode containing an organically modified silica. <i>Sensors and Actuators B: Chemical</i> , 2001, 76, 531-538.	4.0	124
27	Bifunctionalized Mesoporous Silicas for Cr(VI) Reduction and Concomitant Cr(III) Immobilization. <i>Environmental Science & Technology</i> , 2008, 42, 6922-6928.	4.6	123
28	Analytical Applications of Silica-Modified Electrodes –A Comprehensive Review. <i>Electroanalysis</i> , 1998, 10, 1217-1235.	1.5	116
29	Surfactant Templated Sulfonic Acid Functionalized Silica Microspheres as New Efficient Ion Exchangers and Electrode Modifiers. <i>Langmuir</i> , 2004, 20, 3632-3640.	1.6	113
30	Mesoporous Materials-Based Electrochemical Sensors. <i>Electroanalysis</i> , 2015, 27, 1303-1340.	1.5	111
31	Functionalization of natural smectite-type clays by grafting with organosilanes: physico-chemical characterization and application to mercury(ii) uptake. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4951.	1.3	109
32	Carbon paste electrodes in the new millennium. <i>Open Chemistry</i> , 2009, 7, 598-656.	1.0	109
33	Template-directed porous electrodes in electroanalysis. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 261-272.	1.9	103
34	Silica-based electrochemical sensors and biosensors: Recent trends. <i>Current Opinion in Electrochemistry</i> , 2018, 10, 88-97.	2.5	99
35	Preconcentration and voltammetric analysis of mercury(II) at a carbon paste electrode modified with natural smectite-type clays grafted with organic chelating groups. <i>Sensors and Actuators B: Chemical</i> , 2005, 110, 195-203.	4.0	96
36	Electrocatalytic H ₂ O ₂ amperometric detection using gold nanotube electrode ensembles. <i>Analytica Chimica Acta</i> , 2004, 525, 221-230.	2.6	95

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37	Grafted Silicas in Electroanalysis: Amorphous Versus Ordered Mesoporous Materials. <i>Electroanalysis</i> , 2003, 15, 414-421.	1.5	88
38	Impact of mesoporous silica-based materials on electrochemistry and feedback from electrochemical science to the characterization of these ordered materials. <i>Comptes Rendus Chimie</i> , 2005, 8, 693-712.	0.2	88
39	Electrochemical analysis of methylparathion pesticide by a gemini surfactant-intercalated clay-modified electrode. <i>Talanta</i> , 2010, 81, 972-979.	2.9	86
40	From clay- to organoclay-film modified electrodes: tuning charge selectivity in ion exchange voltammetry. <i>Electrochimica Acta</i> , 2004, 49, 3435-3443.	2.6	85
41	Factors Affecting the Preparation and Properties of Electrodeposited Silica Thin Films Functionalized with Amine or Thiol Groups. <i>Langmuir</i> , 2006, 22, 8366-8373.	1.6	82
42	One-Step Preparation of Thiol-Functionalized Porous Clay Heterostructures: Application to Hg(II) Binding and Characterization of Mass Transport Issues. <i>Chemistry of Materials</i> , 2009, 21, 4111-4121.	3.2	82
43	Oriented Mesoporous Organosilica Films on Electrode: A New Class of Nanomaterials for Sensing. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 2398-2406.	0.9	81
44	The methyl viologen incorporated zeolite modified carbon paste electrode—part 1. Electrochemical behaviour in aqueous media. Effects of supporting electrolyte and immersion time. <i>Electrochimica Acta</i> , 1993, 38, 2257-2266.	2.6	80
45	Electrochemical evaluation of polysiloxane-immobilized amine ligands for the accumulation of copper(II) species. <i>Electrochimica Acta</i> , 1999, 44, 4601-4610.	2.6	79
46	Bienzyme HRP—GOx-modified gold nanoelectrodes for the sensitive amperometric detection of glucose at low overpotentials. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1587-1594.	5.3	79
47	Electrochemically Assisted Generation of Highly Ordered Azide-Functionalized Mesoporous Silica for Oriented Hybrid Films. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2945-2950.	7.2	79
48	Electro-assisted generation of functionalized silica films on gold. <i>Electrochemistry Communications</i> , 2003, 5, 341-348.	2.3	78
49	Square wave voltammetric determination of paraquat and diquat in aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 1996, 406, 59-68.	1.9	73
50	Factors affecting the reactivity of thiol-functionalized mesoporous silica adsorbents toward mercury(II). <i>Talanta</i> , 2009, 79, 877-886.	2.9	72
51	Factors affecting the analytical applications of zeolite-modified electrodes preconcentration of electroactive species. <i>Analytica Chimica Acta</i> , 1997, 340, 61-76.	2.6	71
52	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
53	Sorption of methylene blue on an organoclay bearing thiol groups and application to electrochemical sensing of the dye. <i>Talanta</i> , 2008, 74, 489-497.	2.9	70
54	Positronium reemission yield from mesostructured silica films. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	70

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55	Organically-modified mesoporous silica spheres with MCM-41 architecture. <i>New Journal of Chemistry</i> , 2002, 26, 384-386.	1.4	69
56	Preparing Catalytic Surfaces for Sensing Applications by Immobilizing Enzymes via Hydrophobin Layers. <i>Analytical Chemistry</i> , 2005, 77, 1622-1630.	3.2	67
57	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
58	Uptake of inorganic HgII by organically modified silicates: influence of pH and chloride concentration on the binding pathways and electrochemical monitoring of the processes. <i>Analytica Chimica Acta</i> , 2004, 508, 87-98.	2.6	65
59	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
60	Screen-printed zeolite-modified carbon electrodes. <i>Analyst</i> , 1999, 124, 1185-1190.	1.7	64
61	Electrochemical sensors and biosensors based on heterogeneous carbon materials. <i>Monatshefte für Chemie</i> , 2009, 140, 861-889.	0.9	64
62	Evaporation induced self-assembly of templated silica and organosilica thin films on various electrode surfaces. <i>Electrochemistry Communications</i> , 2005, 7, 1449-1456.	2.3	63
63	Naphthidine di(radical cation)s-stabilized palladium nanoparticles for efficient catalytic Suzuki-Miyaura cross-coupling reactions. <i>Tetrahedron</i> , 2008, 64, 372-381.	1.0	63
64	Square Wave Voltammetric Determination of Lead(II) Ions Using a Carbon Paste Electrode Modified by a Thiol-Functionalized Kaolinite. <i>Electroanalysis</i> , 2011, 23, 245-252.	1.5	63
65	Electrogeneration of highly methylated mesoporous silica thin films with vertically-aligned mesochannels and electrochemical monitoring of mass transport issues. <i>Journal of Materials Chemistry</i> , 2010, 20, 6799.	6.7	62
66	Zeolite containing oxidase-based carbon paste biosensors. <i>Journal of Electroanalytical Chemistry</i> , 1996, 404, 237-242.	1.9	61
67	Development of a urea biosensor based on a polymeric membrane including zeolite. <i>Analytica Chimica Acta</i> , 2002, 466, 39-45.	2.6	60
68	Electrochemically-Induced Deposition of Amine-Functionalized Silica Films on Gold Electrodes and Application to Cu(II) Detection in (Hydro)Alcoholic Medium. <i>Electroanalysis</i> , 2005, 17, 1716-1726.	1.5	60
69	Recent Trends on Electrochemical Sensors Based on Ordered Mesoporous Carbon. <i>Sensors</i> , 2017, 17, 1863.	2.1	60
70	Mesoporous Silica-Based Materials for Electronics-Oriented Applications. <i>Molecules</i> , 2019, 24, 2395.	1.7	59
71	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
72	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

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73	Selective monitoring of Cu(II) species using a silica modified carbon paste electrode. <i>Analytica Chimica Acta</i> , 1999, 385, 79-89.	2.6	52
74	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
75	Tuning the Sensitivity of Electrodes Modified with an Organic-Inorganic Hybrid by Tailoring the Structure of the Nanocomposite Material. <i>Electroanalysis</i> , 2002, 14, 1521-1525.	1.5	51
76	Prussian Blue electrodeposition within an oriented mesoporous silica film: preliminary observations. <i>Journal of Materials Science</i> , 2009, 44, 6601-6607.	1.7	50
77	Factors affecting the electrochemical regeneration of NADH by (2,2'-bipyridyl) (pentamethylcyclopentadienyl)-rhodium complexes: Impact on their immobilization onto electrode surfaces. <i>Bioelectrochemistry</i> , 2011, 82, 46-54.	2.4	50
78	Voltammetric in situ investigation of an MCM-41-modified carbon paste electrode—a new sensor. <i>Journal of Electroanalytical Chemistry</i> , 1998, 453, 249-252.	1.9	49
79	Factors affecting the analytical applications of zeolite modified electrodes: indirect detection of nonelectroactive cations. <i>Analytica Chimica Acta</i> , 1999, 388, 79-91.	2.6	49
80	Mesoporous silica thin films for molecular sieving and electrode surface protection against biofouling. <i>Electrochemistry Communications</i> , 2015, 52, 34-36.	2.3	49
81	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
82	The methyl viologen incorporated zeolite modified carbon paste electrode—part 2. Ion exchange and electron transfer mechanism in aqueous medium. <i>Electrochimica Acta</i> , 1993, 38, 2267-2276.	2.6	48
83	Flow Injection Amperometric Detection at Enzyme-Modified Gold Nanoelectrodes. <i>Electroanalysis</i> , 2004, 16, 190-198.	1.5	48
84	Electrochemical Generation of Thin Silica Films with Hierarchical Porosity. <i>Chemistry of Materials</i> , 2010, 22, 3426-3432.	3.2	48
85	Mesoporous Materials-Based Electrochemical Enzymatic Biosensors. <i>Electroanalysis</i> , 2015, 27, 2028-2054.	1.5	48
86	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
87	Ion-Exchange Properties and Electrochemical Characterization of Quaternary Ammonium-Functionalized Silica Microspheres Obtained by the Surfactant Template Route. <i>Langmuir</i> , 2006, 22, 469-477.	1.6	46
88	Organoclay-enzyme film electrodes. <i>Analytica Chimica Acta</i> , 2006, 578, 145-155.	2.6	46
89	Investigation of alendronate-doped apatitic cements as a potential technology for the prevention of osteoporotic hip fractures: Critical influence of the drug introduction mode on the in vitro cement properties. <i>Acta Biomaterialia</i> , 2011, 7, 759-770.	4.1	46
90	Vertically Aligned Mesoporous Silica Films. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 537-546.	0.6	46

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91	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
92	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
93	Cation determination in aqueous solution using the methyl viologen-doped zeolite-modified carbon paste electrode. <i>Electroanalysis</i> , 1995, 7, 120-128.	1.5	44
94	Electrochemical Detection of Copper(II) at an Electrode Modified by a Carnosine-Silica Hybrid Material. <i>Electroanalysis</i> , 2003, 15, 422-430.	1.5	43
95	Electrochemical probing of mass transfer rates in mesoporous silica-based organic-inorganic hybrids. <i>Electrochimica Acta</i> , 2004, 49, 3775-3783.	2.6	43
96	Voltammetric Detection of Iodide after Accumulation by Friedel's Salt. <i>Electroanalysis</i> , 2001, 13, 313-320.	1.5	41
97	Preconcentration Electroanalysis at Surfactant-Templated Thiol-Functionalized Silica Thin Films. <i>Electroanalysis</i> , 2007, 19, 129-138.	1.5	41
98	Thiol-functionalized porous clay heterostructures (PCHs) deposited as thin films on carbon electrode: Towards mercury(II) sensing. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 113-123.	4.0	40
99	One-step preparation of thiol-modified mesoporous silica spheres with various functionalization levels and different pore structures. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 49, 112-124.	1.1	40
100	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
101	Electrochemistry with Mesoporous Silica: Selective Mercury(II) Binding. <i>Chemistry of Materials</i> , 1999, 11, 3009-3011.	3.2	39
102	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
103	Multiarm Cyclam-Grafted Mesoporous Silica: A Strategy to Improve the Chemical Stability of Silica Materials Functionalized with Amine Ligands. <i>Langmuir</i> , 2009, 25, 3137-3145.	1.6	38
104	Clickable Bifunctional and Vertically Aligned Mesoporous Silica Films. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500440.	1.9	38
105	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
106	Electrochemically Assisted Generation of Silica Deposits Using a Surfactant Template at Liquid/Liquid Microinterfaces. <i>Langmuir</i> , 2014, 30, 11453-11463.	1.6	37
107	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
108	Silica-modified electrode for the selective detection of mercury. <i>Journal of Solid State Electrochemistry</i> , 2000, 4, 330-336.	1.2	36

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109	An aqueous route to organically functionalized silica diatom skeletons. <i>Applied Surface Science</i> , 2007, 253, 5485-5493.	3.1	36
110	Factors Affecting Copper(II) Binding to Multiarmed Cyclam-Grafted Mesoporous Silica in Aqueous Solution. <i>Langmuir</i> , 2009, 25, 9804-9813.	1.6	36
111	Electrogeneration of ultra-thin silica films for the functionalization of macroporous electrodes. <i>Electrochemistry Communications</i> , 2011, 13, 138-142.	2.3	36
112	Microscale Controlled Electrogeneration of Patterned Mesoporous Silica Thin Films. <i>Chemistry of Materials</i> , 2011, 23, 5313-5322.	3.2	35
113	Cuprite-modified electrode for the detection of iodide species. <i>Sensors and Actuators B: Chemical</i> , 1999, 59, 113-117.	4.0	34
114	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
115	Immobilization of Cysteine-Tagged Proteins on Electrode Surfaces by Thiol-Ene Click Chemistry. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17591-17598.	4.0	34
116	Quaternary ammonium functionalized clay film electrodes modified with polyphenol oxidase for the sensitive detection of catechol. <i>Biosensors and Bioelectronics</i> , 2007, 23, 269-275.	5.3	33
117	Voltammetric Detection of Lead(II) Using Amide-Cyclam-Functionalized Silica-Modified Carbon Paste Electrodes. <i>Electroanalysis</i> , 2009, 21, 1731-1742.	1.5	33
118	Amplified Charge Transfer for Anionic Redox Probes through Oriented Mesoporous Silica Thin Films. <i>ChemElectroChem</i> , 2016, 3, 2130-2137.	1.7	33
119	Electrochemical Recognition of Selective Mercury Adsorption on Minerals. <i>Environmental Science & Technology</i> , 1999, 33, 4278-4284.	4.6	32
120	Dipeptide-functionalized mesoporous silica spheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 234, 145-151.	2.3	32
121	Electrochemical evidences of morphological transformation in ordered mesoporous titanium oxide thin films. <i>Chemical Communications</i> , 2005, , 4566.	2.2	32
122	Permselective and Preconcentration Properties of a Surfactant-Intercalated Clay Modified Electrode. <i>Electroanalysis</i> , 2006, 18, 2243-2250.	1.5	32
123	Zeolite-modified solid carbon paste electrodes. <i>Journal of Solid State Electrochemistry</i> , 2003, 7, 671-677.	1.2	31
124	Ion exchange and ion exchange voltammetry with functionalized mesoporous silica materials. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 149, 123-132.	1.7	31
125	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
126	Synthesis of new dithiocarbamate-based organosilanes for grafting on silica. <i>Tetrahedron Letters</i> , 2007, 48, 2113-2116.	0.7	30

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127	Iron-enriched natural zeolite modified carbon paste electrode for H ₂ O ₂ detection. <i>Electrochimica Acta</i> , 2010, 55, 4050-4056.	2.6	30
128	Decorating soft electrified interfaces: From molecular assemblies to nano-objects. <i>Applied Materials Today</i> , 2017, 9, 533-550.	2.3	30
129	Flow injection indirect amperometric detection of ammonium ions using a clinoptilolite-modified electrode. <i>Sensors and Actuators B: Chemical</i> , 1999, 56, 136-143.	4.0	29
130	Analytical Investigation of the Interactions between SC3 Hydrophobin and Lipid Layers: Elaborating of Nanostructured Matrixes for Immobilizing Redox Systems. <i>Analytical Chemistry</i> , 2006, 78, 4850-4864.	3.2	29
131	Voltammetric response of ferrocene-grafted mesoporous silica. <i>Electrochimica Acta</i> , 2006, 51, 6373-6383.	2.6	29
132	Zeolite-modified paraffin-impregnated graphite electrode. <i>Journal of Solid State Electrochemistry</i> , 2006, 10, 469-478.	1.2	29
133	Surfactant-templated sol-gel silica thin films bearing 5-mercapto-1-methyl-tetrazole on carbon electrode for Hg(II) detection. <i>Electrochimica Acta</i> , 2010, 55, 4201-4207.	2.6	29
134	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
135	Organoclay-modified electrodes: preparation, characterization and recent electroanalytical applications. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1949-1973.	1.2	29
136	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
137	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
138	Cyclam-Functionalized Silica-Modified Electrodes for Selective Determination of Cu(II). <i>Electroanalysis</i> , 2009, 21, 280-289.	1.5	28
139	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
140	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
141	Low Temperature Synthesis of Zeolite Films on Glassy Carbon: Towards Designing Molecularly Selective Electrochemical Devices. <i>Electroanalysis</i> , 2004, 16, 1550-1554.	1.5	27
142	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
143	Electrochemically assisted bacteria encapsulation in thin hybrid sol-gel films. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1052.	2.9	26
144	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

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145	Electrochemical characterization of liquid-liquid micro-interfaces modified with mesoporous silica. <i>Electrochimica Acta</i> , 2015, 179, 9-15.	2.6	26
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