Marcin Opallo

List of Publications by Citations

168 papers	3,730 citations	32 h-index	49 g-index
171 ext. papers	3,965 ext. citations	5 avg, IF	5.32 L-index

#	Paper	IF	Citations
168	A review on electrodes modified with ionic liquids. *Journal of Electroanalytical Chemistry*, **2011**, 656, 2-16	4.1	283
167	Reduction and functionalization of graphene oxide sheets using biomimetic dopamine derivatives in one step. *ACS Applied Materials & Interfaces*, **2012**, 4, 1016-20	9.5	167
166	The Kinetics of Heterogeneous Electron Transfer Reaction in Polar Solvents. *Angewandte Chemie International Edition in English*, **1994**, 33, 2131-2143		124
165	Electroactive ceramic carbon electrode modified with ionic liquid. *Electrochemistry Communications*, **2005**, 7, 299-304	5.1	82
164	Self-powered biosensor for ascorbic acid with a Prussian blue electrochromic display. *Biosensors and Bioelectronics*, **2014**, 54, 455-61	11.8	78
163	Ion transfer at carbon paste electrode based on ionic liquid. *Electrochemistry Communications*, **2006** , 8, 1111-1114	5.1	75
162	Hydrophilic carbon nanoparticle-laccase thin film electrode for mediatorless dioxygen reduction: SECM activity mapping and application in zinc-dioxygen battery. *Electrochimica Acta*, **2009**, 54, 4620-4625	6.7	62
161	ABTS-modified multiwalled carbon nanotubes as an effective mediating system for bioelectrocatalytic reduction of oxygen. *Analytical Chemistry*, **2008**, 80, 7643-8	7.8	61
160	Sensitive sugar detection using 4-aminophenylboronic acid modified graphene. *Biosensors and Bioelectronics*, **2013**, 50, 331-7	11.8	58
159	Preparation of graphene/tetrathiafulvalene nanocomposite switchable surfaces. *Chemical Communications*, **2012**, 48, 1221-3	5.8	56
158	Pyrene-functionalised single-walled carbon nanotubes for mediatorless dioxygen bioelectrocatalysis. *Electrochimica Acta*, **2010**, 55, 8744-8750	6.7	54
157	Nitrogen doped graphene nanosheet supported platinum nanoparticles as high performance electrochemical homocysteine biosensors. *Journal of Materials Chemistry B*, **2013**, 1, 4655-4666	7.3	50
156	The inhibiting effects of tetraalkylammonium cations on simple heterogeneous electron transfer reactions in polar aprotic solvents. *The Journal of Physical Chemistry*, **1992**, 96, 9959-9964		50
155	Nanostructured □Fe2O3 platform for the electrochemical sensing of folic acid. *Analyst, The*, **2013**, 138, 1779-86	5	44
154	Immobilization of ABTS □laccase system in silicate based electrode for biolectrocatalytic reduction of dioxygen. *Electrochemistry Communications*, **2006**, 8, 1850-1854	5.1	44
153	One-pot synthesis of chain-like palladium nanocubes and their enhanced electrocatalytic activity for fuel-cell applications. *Nano Energy*, **2013**, 2, 677-687	17.1	43
152	Preparation of a responsive carbohydrate-coated biointerface based on graphene/azido-terminated tetrathiafulvalene nanohybrid material. *ACS Applied Materials & Interfaces*, **2012**, 4, 5386-93	9.5	41

151	Functionalization of glassy carbon with diazonium salts in ionic liquids. *Langmuir*, **2008**, 24, 6327-33	4	40
150	Kinetics and thermodynamics of the electroreduction of buckminsterfullerene in benzonitrile. *Journal of the American Chemical Society*, **1993**, 115, 196-200	16.4	40
149	Electrocatalytic reduction of dioxygen by redox mediator and laccase immobilized in silicate thin film. *Journal of Electroanalytical Chemistry*, **2006**, 588, 244-252	4.1	39
148	Film electrode prepared from oppositely charged silicate submicroparticles and carbon nanoparticles for selective dopamine sensing. *Biosensors and Bioelectronics*, **2011**, 26, 4417-22	11.8	38
147	Gold–carbon three dimensional film electrode prepared from oppositely charged conductive nanoparticles by layer-by-layer approach. *Electrochemistry Communications*, **2010**, 12, 435-437	5.1	37
146	Radiative and nonradiative electron transfer in donor–acceptor phenoxazine and phenothiazine derivatives. *Chemical Physics*, **1999**, 249, 49-62	2.3	35
145	Functionalized carbon nanoparticles, blacks and soots as electron-transfer building blocks and conduits. *Chemistry - an Asian Journal*, **2014**, 9, 1226-41	4.5	34
144	Facile and rapid synthesis of Pd nanodendrites for electrocatalysis and surface-enhanced Raman scattering applications. *Nanoscale*, **2014**, 6, 11169-76	7.7	34
143	Three dimensional film electrode prepared from oppositely charged carbon nanoparticles as efficient enzyme host. *Electrochemistry Communications*, **2010**, 12, 737-739	5.1	34
142	Sol–gel processed ionic liquid–hydrophilic carbon nanoparticles multilayer film electrode prepared by layer-by-layer method. *Journal of Electroanalytical Chemistry*, **2008**, 623, 170-176	4.1	34
141	Introducing hydrophilic carbon nanoparticles into hydrophilic sol-gel film electrodes. *Journal of Solid State Electrochemistry*, **2008**, 12, 287-293	2.6	34
140	Ion transfer processes at ionic liquid based redox active drop deposited on an electrode surface. *Chemical Communications*, **2005**, 2954-6	5.8	34
139	Feedback mode SECM study of laccase and bilirubin oxidase immobilised in a sol-gel processed silicate film. *Analyst, The*, **2010**, 135, 2051-8	5	33
138	Probing carboxylate Gibbs transfer energies via liquid|liquid transfer at triple phase boundary electrodes: ion-transfer voltammetry versus COSMO-RS predictions. *Physical Chemistry Chemical Physics*, **2008**, 10, 3925-33	3.6	32
137	TiO2 phytate films as hosts and conduits for cytochrome c electrochemistry. *Bioelectrochemistry*, **2005**, 66, 41-7	5.6	32
136	Possible experimental evidence for molecular solvation effects in simple heterogeneous electron-transfer reactions. *The Journal of Physical Chemistry*, **1992**, 96, 2920-2924		32
135	Catalysis of water oxidation in acetonitrile by iridium oxide nanoparticles. *Chemical Science*, **2015**, 6, 1761-1769	9.4	31
134	Electrochemical processes at a flowing organic solvent|aqueous electrolyte phase boundary. *Electrochemistry Communications*, **2007**, 9, 2105-2110	5.1	31

133	Ion transfer processes at the room temperature ionic liquid|aqueous solution interface supported by a hydrophobic carbon nanofibers–silica composite film. *Journal of Electroanalytical Chemistry*, **2006**, 587, 133-139	4.1	31
132	Voltammetric pH Nanosensor. *Analytical Chemistry*, **2015**, 87, 11641-5	7.8	30
131	Thiol-yne click reactions on alkynyl-dopamine-modified reduced graphene oxide. *Chemistry - A European Journal*, **2013**, 19, 8673-8	4.8	30
130	Bioelectrocatalytic mediatorless dioxygen reduction at carbon ceramic electrodes modified with bilirubin oxidase. *Electrochimica Acta*, **2010**, 55, 5719-5724	6.7	30
129	Ion transfer processes at 4-(3-phenylpropyl)-pyridine/aqueous electrolyte/electrode triple phase boundary systems supported by graphite and by mesoporous TiO2. *Faraday Discussions*, **2005**, 129, 219-29; discussion 275-89	3.6	30
128	Vertically aligned carbon nanotube film electrodes for bioelectrocatalytic dioxygen reduction. *Electrochimica Acta*, **2011**, 56, 3947-3953	6.7	29
127	Electrodeposition of gold nanoparticles at a solid|ionic liquid|aqueous electrolyte three-phase junction. *Electrochemistry Communications*, **2010**, 12, 1742-1745	5.1	28
126	Characterisation of hydrophobic carbon nanofiber–silica composite film electrodes for redox liquid immobilisation. *Electrochimica Acta*, **2006**, 51, 5897-5903	6.7	28
125	Decamethylruthenocene Hydride and Hydrogen Formation at Liquid|Liquid Interfaces. *Journal of Physical Chemistry C*, **2015**, 119, 25761-25769	3.8	27
124	Scanning electrochemical microscopy study of laccase within a sol-gel processed silicate film. *Bioelectrochemistry*, **2008**, 72, 174-82	5.6	27
123	Liquid–liquid interfacial processes at hydrophobic silica carbon composite electrodes: ion transfer at water–nitrobenzene, water–o-nitrophenyloctylether, and at water–o-nitrophenylphenylether interfaces. *Electrochimica Acta*, **2005**, 50, 2315-2322	6.7	26
122	Disposition of ferrocenes in α- or β-cyclodextrin. *Journal of the Chemical Society Chemical Communications*, **1990**, 477-479		26
121	Electrodeposition for preparation of efficient surface-enhanced Raman scattering-active silver nanoparticle substrates for neurotransmitter detection. *Electrochimica Acta*, **2013**, 89, 284-291	6.7	24
120	Pyrene sulfonate functionalised single-walled carbon nanotubes for mediatorless dioxygen bioelectrocatalysis. *Electrochemistry Communications*, **2009**, 11, 1042-1044	5.1	24
119	Electrode modified with ionic liquid covalently bonded to silicate matrix for accumulation of electroactive anions. *Electrochemistry Communications*, **2007**, 9, 2580-2584	5.1	24
118	Die Kinetik heterogener Elektronentransferreaktionen in polaren Lösungsmitteln. *Angewandte Chemie*, **1994**, 106, 2239-2252	3.6	24
117	Carbon nanoparticle stabilised liquid|liquid micro-interfaces for electrochemically driven ion-transfer processes. *Electrochimica Acta*, **2007**, 53, 1175-1181	6.7	23
116	The electrochemical ion-transfer reactivity of porphyrinato metal complexes in 4-(3-phenylpropyl)pyridine | water systems. *New Journal of Chemistry*, **2006**, 30, 327	3.6	23

115	Ion transfer across liquid|liquid interface coupled to electrochemical redox reaction at carbon paste electrode. *Electrochemistry Communications*, **2005**, 7, 194-198	5.1	23
114	Electrochemical oxygen reduction at soft interfaces catalyzed by the transfer of hydrated lithium cations. *Journal of Electroanalytical Chemistry*, **2014**, 731, 28-35	4.1	22
113	Hydrogen Peroxide Generation at Liquid|Liquid Interface under Conditions Unfavorable for Proton Transfer from Aqueous to Organic Phase. *Journal of Physical Chemistry C*, **2013**, 117, 20681-20688	3.8	22
112	Recent Developments of Nanostructured Electrodes for Bioelectrocatalysis of Dioxygen Reduction. *Advances in Physical Chemistry*, **2011**, 2011, 1-21		22
111	Hydrogen and Hydrogen Peroxide Formation in Trifluorotoluene|Water Biphasic Systems. *Journal of Physical Chemistry C*, **2014**, 118, 23154-23161	3.8	21
110	Carbon ceramic nanoparticulate film electrode prepared from oppositely charged particles by layer-by-layer approach. *Electrochemistry Communications*, **2010**, 12, 83-85	5.1	21
109	A Porous ITO Nanoparticles Modified Electrode for the Redox Liquid Immobilization. *Electroanalysis* , **2007**, 19, 155-160	3	21
108	The electrochemical redox reactions in silica sol|gel glass monoliths and films with embedded organic electrolyte. *Electrochimica Acta*, **2001**, 46, 4235-4242	6.7	21
107	Synthesis and characterization of porous carbon-MoS nanohybrid materials: electrocatalytic performance towards selected biomolecules. *Journal of Materials Chemistry B*, **2016**, 4, 1448-1457	7.3	20
106	Exploring Properties of a Hyperthermophilic Membrane-Bound Hydrogenase at Carbon Nanotube Modified Electrodes for a Powerful H2/O2 Biofuel Cell. *Electroanalysis*, **2013**, 25, 685-695	3	20
105	Electrochemically assisted sol|gel process at a three phase junction. *Electrochemistry Communications*, **2008**, 10, 1445-1447	5.1	20
104	Stabilising electrode|redox liquid|aqueous solution system with hydrophobic silicate film. *Electrochemistry Communications*, **2004**, 6, 475-479	5.1	20
103	Characterisation of gold electrodes modified with methyltrimethoxysilane and (3-mercaptopropyl) trimethoxysilane sol|gel processed films. *Journal of Electroanalytical Chemistry*, **2005**, 578, 239-245	4.1	20
102	Kinetic parameters for heterogeneous electron transfer to tris(acetylacetonato)manganese(III) and tris(acetylacetonato)iron(III) in aproptic solvents. *Journal of Electroanalytical Chemistry*, **1992**, 331, 815-830	4.1	20
101	On the differences in the magnitude of the observed solvent effect in the kinetics of simple heterogeneous electron transfer reactions. *Journal of Electroanalytical Chemistry*, **1993**, 349, 273-284	4.1	20
100	Mechanism of oxygen reduction by metallocenes near liquid|liquid interfaces. *Journal of Electroanalytical Chemistry*, **2014**, 729, 43-52	4.1	19
99	Electrodeposition of Well-Adhered Multifarious Au Particles at a Solid|Toluene|Aqueous Electrolyte Three-Phase Junction. *Journal of Physical Chemistry C*, **2012**, 116, 22476-22485	3.8	19
98	The effects of conductivity and electrochemical doping on the reduction of methemoglobin immobilized in nanoparticulate TiO2 films. *Bioelectrochemistry*, **2007**, 70, 221-7	5.6	19

97	pH-Sensitive syringaldazine modified carbon ceramic electrode for bioelectrocatalytic dioxygen reduction. *Journal of Electroanalytical Chemistry*, **2007**, 608, 31-36	4.1	19
96	Conductivity of stoichiometric (CH3)4NOH clathrate hydrates. *Journal of Electroanalytical Chemistry* , **1996**, 406, 109-117	4.1	19
95	Surprising acidity of hydrated lithium cations in organic solvents. *Chemical Communications*, **2014**, 50, 5554-7	5.8	18
94	Scanning electrochemical microscopy activity mapping of electrodes modified with laccase encapsulated in sol-gel processed matrix. *Bioelectrochemistry*, **2010**, 79, 101-7	5.6	18
93	Kinetic differentiation of bulk/interfacial oxygen reduction mechanisms at/near liquid/liquid interfaces using scanning electrochemical microscopy. *Journal of Electroanalytical Chemistry*, **2014**, 732, 101-109	4.1	17
92	Direct electrochemistry of adsorbed proteins and bioelectrocatalysis at film electrode prepared from oppositely charged carbon nanoparticles. *Electrochimica Acta*, **2013**, 89, 132-138	6.7	17
91	The effect of electrocatalytic nanoparticle injection on the electrochemical response at a rotating disc electrode. *Electrochemistry Communications*, **2013**, 37, 100-103	5.1	17
90	Adsorption of 2,2Sazino-bis(3-ethylbenzothiazoline-6-sulfonate) on multiwalled carbon nanotubes-silicate film: application to bioelectrocatalytic dioxygen reduction. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 2346-52	1.3	17
89	Effects of carbon nanofiber composites on electrode processes involving liquid|liquid ion transfer. *Journal of Solid State Electrochemistry*, **2005**, 9, 874-881	2.6	17
88	Electroactive ceramic carbon electrode impregnated with organic liquid. *Electrochemistry Communications*, **2001**, 3, 306-311	5.1	17
87	Carbon ceramic electrode modified with redox liquid. *Chemical Communications*, **2002**, 448-9	5.8	17
86	Selective electrochemical detection of dopamine in a microfluidic channel on carbon nanoparticulate electrodes. *Analyst, The*, **2014**, 139, 2896-903	5	16
85	Bioelectrocatalytic dioxygen reduction at hybrid silicate□polyallylamine film with encapsulated laccase. *Journal of Electroanalytical Chemistry*, **2008**, 612, 1-8	4.1	16
84	Scanning electrochemical microscopy study of ion transfer process across water/2-nitrophenyloctylether interface supported by hydrophobic carbon ceramic electrode. *Journal of Solid State Electrochemistry*, **2008**, 12, 1285-1291	2.6	16
83	Electrocatalytic glucose oxidation at gold and gold-carbon nanoparticulate film prepared from oppositely charged nanoparticles. *Electrochimica Acta*, **2014**, 117, 211-216	6.7	15
82	The effect of linker of electrodes prepared from sol□gel ionic liquid precursor and carbon nanoparticles on dioxygen electroreduction bioelectrocatalysis. *Electrochimica Acta*, **2011**, 56, 10306-10312	6.7	15
81	Bioelectrocatalytic Carbon Ceramic Gas Electrode for Reduction of Dioxygen and Its Application in a Zinc□Dioxygen Cell. *Fuel Cells*, **2010**, 10, 1157-1163	2.9	15
80	Catalysis at the room temperature ionic liquid|water interface: H2O2 generation. *Chemical Communications*, **2015**, 51, 6851-3	5.8	14

79	Mediatorless bioelectrocatalysis of dioxygen reduction at indium-doped tin oxide (ITO) and ITO nanoparticulate film electrodes. *Electrochimica Acta*, **2011**, 56, 8739-8745	6.7	14
78	Hydrophobic silica sol-gel films for biphasic electrodes and porotrodes. *Analyst, The*, **2004**, 129, 1181-5	5	14
77	Microphase voltammetry of diluted and undiluted redox liquids deposited on sol-gel ceramic carbon electrodes. *Electrochimica Acta*, **2005**, 50, 1711-1717	6.7	14
76	Electrochemical detection of graphene oxide. *Electrochemistry Communications*, **2018**, 96, 77-82	5.1	14
75	Gold three dimensional film electrode prepared from oppositely charged nanoparticles. *Electrochemistry Communications*, **2011**, 13, 1170-1173	5.1	13
74	Liquid / liquid ion-transfer processes at the dioctylphosphoric acid (N,N-didodecyl-N',N'-diethylphenylenediamine) / water (electrolyte) interface at graphite and mesoporous TiO2 substrates. *Analytical Chemistry*, **2004**, 76, 5364-9	7.8	13
73	Conductivity of tetramethylammonium fluoride tetrahydrate. *Journal of Electroanalytical Chemistry* , **1995**, 387, 47-52	4.1	13
72	Electrochemical response of catalytic nanoparticles in Flow Injection Analysis system. *Electrochemistry Communications*, **2014**, 43, 40-42	5.1	12
71	Electrochemical determination of selected neurotransmitters at electrodes modified with oppositely charged carbon nanoparticles. *Analytical Methods*, **2014**, 6, 7532-7539	3.2	12
70	The Effect of Ionic Liquid Covalent Bonding to Sol-Gel Processed Film on Ion Accumulation and Transfer. *Electroanalysis*, **2009**, 21, 701-706	3	12
69	Buckminsterfullerene as a model reactant for testing electron transfer theory. *Journal of Electroanalytical Chemistry*, **1993**, 344, 375-381	4.1	12
68	SECM study of hydrogen photogeneration in a 1,2-dichloroethane | water biphasic system with decamethylruthenocene electron donor regeneration. *Journal of Electroanalytical Chemistry*, **2018**, 819, 101-106	4.1	11
67	Boosting water oxidation layer-by-layer. *Physical Chemistry Chemical Physics*, **2016**, 18, 9295-304	3.6	11
66	Carbon nanoparticulate films as effective scaffolds for mediatorless bioelectrocatalytic hydrogen oxidation. *Electrochimica Acta*, **2013**, 111, 434-440	6.7	11
65	Tailored gold nanostructure arrays as catalysts for oxygen reduction in alkaline media and a single molecule SERS platform. *Nanoscale*, **2015**, 7, 10767-74	7.7	11
64	Tetra-alkylammonium cation clathrate hydrates as novel proton conductors. *Solid State Ionics*, **1997** , 97, 247-252	3.3	11
63	Changing the direction of ion transfer across o-nitrophenyloctylether|water interface coupled to electrochemical redox reaction. *Electrochemistry Communications*, **2006**, 8, 941-945	5.1	11
62	Electroactive Ceramic Carbon Electrode Impregnated with n-Alkanes. *Electroanalysis*, **2002**, 14, 1060-1066	3	11

61	Electrochemical Systems Based on Sol-Gel Silica Matrix Impregnated with Organic Solvent. *Journal of Sol-Gel Science and Technology*, **2003**, 26, 1045-1048	2.3	11
60	A Simple Liquid□liquid Biphasic System for Hydrogen Peroxide Generation. *Journal of Physical Chemistry C*, **2015**, 119, 20011-20015	3.8	10
59	Scanning electrochemical microscopy determination of hydrogen flux at liquid|liquid interface with potentiometric probe. *Electrochemistry Communications*, **2014**, 43, 22-24	5.1	10
58	Electrode modified with nanoporous silicate submicrometre particles with appended ionic liquid. *Electrochemistry Communications*, **2009**, 11, 1305-1307	5.1	10
57	Electrochemical redox processes of fullerene C60 and decamethylferrocene dissolved in cast 1,2-dichlorobenzene film in contact with aqueous electrolyte. *Journal of Electroanalytical Chemistry*, **2010**, 643, 82-88	4.1	10
56	Solvent-free chemical functionalization of hydrogen-terminated boron-doped diamond electrodes with diazonium salts in ionic liquids. *Diamond and Related Materials*, **2008**, 17, 1394-1398	3.5	10
55	Characterisation of biphasic electrodes based on the liquid N,N-didodecyl-N?N?-diethylphenylenediamine redox system immobilised on porous hydrophobic silicates and immersed in aqueous media. *Journal of Electroanalytical Chemistry*, **2005**, 582, 202-208	4.1	10
54	Comparison of Ion Transfer Thermodynamics at Microfluidic and Droplet-Based Three Phase Electrodes. *Electrochimica Acta*, **2014**, 132, 158-164	6.7	9
53	Tetraalkylammonium cation clathrate hydrates in interfacial electrochemistry. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **1998**, 134, 67-73	5.1	9
52	SnO2□poly(diallyldimethylammonium chloride) films: Electrochemical evidence for heme protein absorption, denaturation, and demetallation. *Journal of Electroanalytical Chemistry*, **2007**, 610, 28-36	4.1	9
51	Electrocatalytic Determination of Sulfite at Immobilized Microdroplet Liquid|Liquid Interfaces: The EIC? Mechanism. *Electroanalysis*, **2008**, 20, 469-475	3	9
50	Electroactive Ceramic Carbon Electrode Modified with Hydrophobic Polar Solvent. *Electroanalysis*, **2004**, 16, 1254-1261	3	9
49	Low temperature study of nickel hydroxide electrode in frozen electrolyte. *Electrochemistry Communications*, **2003**, 5, 737-740	5.1	9
48	Electrical and electrochemical processes in solid tetrabutylammonium hydroxide hydrate. *Solid State Ionics*, **2001**, 145, 407-413	3.3	9
47	Layer-by-Layer Gold□Ceramic Nanoparticulate Electrodes for Electrocatalysis. *ChemElectroChem*, **2016**, 3, 1629-1634	4.3	9
46	(Bio)electroanalytical Applications of Carbon Nanoparticles. *Electroanalysis*, **2016**, 28, 46-57	3	9
45	Glucose Electrooxidation in Bimetallic Suspensions of Nanoparticles in Alkaline Media. *ChemElectroChem*, **2015**, 2, 1199-1205	4.3	8
44	Continuous Electrochemical Detection of Gold Nanoparticles in Flow. *Electroanalysis*, **2017**, 29, 1934-1940	3	8

43	Ion insertion into ionic liquid supported toluene generated by electrochemical redox reaction. *Electrochemistry Communications*, **2008**, 10, 1201-1204	5.1	8
42	Charge transport in frozen tetraalkylammonium fluoride hydrates containing a 1:1 mixture of K3Fe(CN)6 and K4Fe(CN)6. *Journal of Electroanalytical Chemistry*, **1996**, 411, 145-152	4.1	8
41	Voltammetric studies of transition metal salene complexes on glassy carbon electrodes. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1985**, 182, 427-432		8
40	Electrochemical behaviour of suspended redox-tagged carbon nanotubes at a rotating disc electrode. *Electrochemistry Communications*, **2019**, 99, 32-35	5.1	8
39	Carbon Nanoparticulate Film Electrode Prepared by Electrophoretic Deposition. Electrochemical oxidation of Thiocholine and Topography Imaging with SECM Equipment in Dry Conditions. *Electrochimica Acta*, **2014**, 144, 136-140	6.7	7
38	Biocathodes for Dioxygen Reduction in Biofuel Cells **2010**, 169-214		7
37	Ion Transfer Processes at Ionic Liquid Modified Electrodes. *Review of Polarography*, **2008**, 54, 21-30	0.2	7
36	Simple redox reactions studied below the melting point of congruently melting electrolyte: (C4H9)4NF □32H2O. *Journal of Electroanalytical Chemistry*, **1995**, 399, 169-178	4.1	7
35	Nanocarbon electrode prepared from oppositely charged nanoparticles and nanotubes for low-potential thiocholine oxidation. *Electrochimica Acta*, **2015**, 176, 249-254	6.7	6
34	Decoration of MoS2 Nanopetal Stacks with Positively Charged Gold Nanoparticles for Synergistic Electrocatalytic Oxidation of Biologically Relevant Compounds. *Electrochimica Acta*, **2015**, 182, 659-667	6.7	6
33	Electrocatalytic Synergy on Nanoparticulate Films Prepared from Oppositely Charged Pt and Au Nanoparticles. *ChemElectroChem*, **2014**, 1, 1023-1026	4.3	6
32	Anomalous effect of flow rate on the electrochemical behavior at a liquid|liquid interface under microfluidic conditions. *Langmuir*, **2013**, 29, 16034-9	4	6
31	Ceramic Carbon Electrode Modified with Butyloferrocene. *Electroanalysis*, **2003**, 15, 566-572	3	6
30	Electrochemical redox reaction at silicate based electrode□ilicate based electrolyte interface. *Electrochemistry Communications*, **2003**, 5, 924-928	5.1	6
29	Impedance study of hydrogen evolution from solid tetrabutylammonium hydroxide hydrate. *Solid State Ionics*, **2003**, 157, 209-213	3.3	6
28	Transport of redox active probes in silica sol□el glass with embedded organic electrolyte. *Solid State Ionics*, **2003**, 157, 263-267	3.3	6
27	Patterning Cu nanostructures tailored for CO2 reduction to electrooxidizable fuels and oxygen reduction in alkaline media. *Nanoscale Advances*, **2019**, 1, 2645-2653	5.1	5
26	Employment of electrostatic interactions for amperometric detection of carbon nanoparticles in a FIA system. *Analyst, The*, **2016**, 141, 4319-25	5	5

25	Anion sensitive voltammetry of fullerene C60 dissolved in 1,2-dichlorobenzene deposit in contact with aqueous electrolyte. *Electrochemistry Communications*, **2009**, 11, 149-152	5.1	5
24	Electrochemical and IR spectroscopic detection of oxidation products of the monomer and dimer of vanillyl alcohol in a sol–gel processed silicate matrix. *Journal of Electroanalytical Chemistry*, **2010**, 645, 123-134	4.1	5
23	Electrochemical stability of redox active ions and molecules in liquid and frozen stoichiometric electrolytes. *Journal of Electroanalytical Chemistry*, **1998**, 446, 39-45	4.1	5
22	Reactivity of methemoglobin immobilized on TiO2 nanoparticle films. *Bioelectrochemistry*, **2008**, 72, 1-2	5.6	5
21	Impedance of the interface: electrode–frozen electrolyte containing redox active ions. *Journal of Electroanalytical Chemistry*, **1996**, 418, 91-97	4.1	5
20	Enhanced Reactivity of Water Clusters towards Oxidation in Water/Acetonitrile Mixtures. *ChemElectroChem*, **2016**, 3, 2003-2007	4.3	5
19	Stripe-shaped Electrochemical Biosensor for Organophosphate Pesticide. *Electroanalysis*, **2018**, 30, 2731-2737	3	5
18	The Versatile Electrocatalytic Oxidation of Glucose on Bimetallic Nanoparticulate Film Electrode. *Journal of the Electrochemical Society*, **2014**, 161, H3088-H3094	3.9	4
17	(Bio)electrocatalysis at tin-doped indium oxide nanoparticulate film decorated with gold. *Electrochimica Acta*, **2013**, 106, 165-171	6.7	4
16	The electrode reactions of $Fe(CN)_6^{3-}$ and $Fe(CN)_6^{4-}$ ions studied at temperatures below the melting point of stoichiometric electrolytes. *Journal of Electroanalytical Chemistry*, **1998**, 444, 187-194	4.1	4
15	Noble Metal Nanoparticles in Pectin Matrix. Preparation, Film Formation, Property Analysis, and Application in Electrocatalysis. *ACS Omega*, **2020**, 5, 23909-23918	3.9	4
14	Electrochemical hydrogen evolution in hydroxide hydrate down to 110 K. *Electrochemistry Communications*, **2000**, 2, 23-26	5.1	3
13	Colloidal synthesis of metal chalcogenide nanomaterials from metal-organic precursors and capping ligand effect on electrocatalytic performance: progress, challenges and future perspectives. *Dalton Transactions*, **2021**, 50, 11347-11359	4.3	3
12	Tuning composition of CuCoS-NiCoS solid solutions solvent-less pyrolysis of molecular precursors for efficient supercapacitance and water splitting.. *RSC Advances*, **2022**, 12, 10675-10685	3.7	3
11	Collisions of suspended Prussian Blue nanoparticles with a rotating disc electrode. *Electrochemistry Communications*, **2018**, 86, 130-134	5.1	2
10	Voltammetry of Mn(III) Porphyrin in Trihexyl(tetradecyl)-phosphonium Tris(pentafluoroethyl)trifluorophosphate Supported Toluene in Contact with an Aqueous Electrolyte. *Electroanalysis*, **2011**, 23, 1921-1927	3	2
9	Electrochemical redox reactions studied in frozen tetrabutylammonium halide hydrates. *Journal of Solid State Electrochemistry*, **1998**, 2, 347-354	2.6	2
8	H2O2 Generation at a Carbon-Paste Electrode with Decamethylferrocene in 2-Nitrophenyloctyl Ether as a Binder: Catalytic Effect of MoS2 Particles. *ChemElectroChem*, **2016**, 3, 1400-1406	4.3	2

7	The medium effect on electrodissolution of adsorbed or suspended Ag nanoparticles. *Electrochimica Acta*, **2020**, 350, 136406	6.7	1
6	Electrochemical Detection of Positively Charged Carbon Nanoparticles Suspension in Flow. *Electroanalysis*, **2018**, 30, 1965-1970	3	1
5	Solid electrolyte based on silicate matrix functionalised with tetraalkylammonium group solvated by organic solvent. *Electrochimica Acta*, **2003**, 48, 4149-4155	6.7	1
4	The Solvent Effect on H O Generation at Room Temperature Ionic Liquid|Water Interface. *ChemPhysChem*, **2021**, 22, 1352-1360	3.2	1
3	H2O2 Generation at a Carbon-Paste Electrode with Decamethylferrocene in 2-Nitrophenyloctyl Ether as a Binder: Catalytic Effect of MoS2 Particles. *ChemElectroChem*, **2016**, 3, 1277-1277	4.3	1
2	Mediatorless electrocatalytic oxygen reduction with catalase on mercury–gold amalgam microelectrodes. *Electrochemistry Communications*, **2021**, 133, 107167	5.1	1
1	Hydrogen peroxide generation catalyzed by battery waste material. *Electrochemistry Communications*, **2022**, 136, 107239	5.1	0