

Roland De Marco

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.

133 papers	4,363 citations	34 h-index	61 g-index
137 ext. papers	4,872 ext. citations	6 avg, IF	5.41 L-index

#	Paper	IF	Citations
133	Electrochemistry-Assisted Photoelectrochemical Reduction of Nitrogen to Ammonia. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 23041-23049	3.8	3
132	Magnetizing lead-free halide double perovskites. <i>Science Advances</i> , 2020 , 6,	14.3	25
131	Controlled One-pot Synthesis of Nickel Single Atoms Embedded in Carbon Nanotube and Graphene Supports with High Loading. <i>ChemNanoMat</i> , 2020 , 6, 1063-1074	3.5	6
130	A Universal Seeding Strategy to Synthesize Single Atom Catalysts on 2D Materials for Electrocatalytic Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 1906157	15.6	60
129	Selective Hydrogen Evolution on Manganese Oxide Coated Electrodes: New Cathodes for Sodium Chlorate Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 12170-12178	8.3	8
128	Ferrocene self assembled monolayer as a redox mediator for triggering ion transfer across nanometer-sized membranes. <i>Electrochimica Acta</i> , 2019 , 315, 84-93	6.7	18
127	Atomically Dispersed Bimetallic FeNi Catalysts as Highly Efficient Bifunctional Catalysts for Reversible Oxygen Evolution and Oxygen Reduction Reactions. <i>ChemElectroChem</i> , 2019 , 6, 3478-3487	4.3	32
126	Iron Single Atoms on Graphene as Nonprecious Metal Catalysts for High-Temperature Polymer Electrolyte Membrane Fuel Cells. <i>Advanced Science</i> , 2019 , 6, 1802066	13.6	107
125	Tuning the Electron Localization of Gold Enables the Control of Nitrogen-to-Ammonia Fixation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18604-18609	16.4	102
124	Efficient BiVO Photoanodes by Postsynthetic Treatment: Remarkable Improvements in Photoelectrochemical Performance from Facile Borate Modification. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 19027-19033	16.4	51
123	Polyaniline Films as Electrochemical-Proton Pump for Acidification of Thin Layer Samples. <i>Analytical Chemistry</i> , 2019 , 91, 14951-14959	7.8	11
122	Efficient BiVO ₄ Photoanodes by Postsynthetic Treatment: Remarkable Improvements in Photoelectrochemical Performance from Facile Borate Modification. <i>Angewandte Chemie</i> , 2019 , 131, 19203-19209	3.6	16
121	Atomically Dispersed Transition Metals on Carbon Nanotubes with Ultrahigh Loading for Selective Electrochemical Carbon Dioxide Reduction. <i>Advanced Materials</i> , 2018 , 30, e1706287	24	352
120	Electrochemically substituted metal phthalocyanines, e-MPc (M = Co, Ni), as highly active and selective catalysts for CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1370-1375	13	34
119	Electron Hopping between Fe 3 d States in Ethynylferrocene-doped Poly(Methyl Methacrylate)-poly(Decyl Methacrylate) Copolymer Membranes. <i>Electroanalysis</i> , 2018 , 30, 596-601	3	2
118	In Situ Techniques for Developing Robust LiS Batteries. <i>Small Methods</i> , 2018 , 2, 1800133	12.8	33
117	Single-Atom Catalysts: Atomically Dispersed Transition Metals on Carbon Nanotubes with Ultrahigh Loading for Selective Electrochemical Carbon Dioxide Reduction (Adv. Mater. 13/2018). <i>Advanced Materials</i> , 2018 , 30, 1870088	24	7

116	High CO tolerance of new SiO ₂ doped phosphoric acid/polybenzimidazole polymer electrolyte membrane fuel cells at high temperatures of 200-250 °C. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 22487-22499	6.7	30
115	One-Pot Pyrolysis Method to Fabricate Carbon Nanotube Supported Ni Single-Atom Catalysts with Ultrahigh Loading. <i>ACS Applied Energy Materials</i> , 2018 ,	6.1	14
114	PEDOT(PSS) as Solid Contact for Ion-Selective Electrodes: The Influence of the PEDOT(PSS) Film Thickness on the Equilibration Times. <i>Analytical Chemistry</i> , 2017 , 89, 3508-3516	7.8	37
113	Electrochemical Mechanism of Ferrocene-Based Redox Molecules in Thin Film Membrane Electrodes. <i>Electrochimica Acta</i> , 2017 , 238, 357-367	6.7	23
112	Transformation of Cadmium Tetracyanoquinodimethane (TCNQ) into a Cadmium Terephthalate Metal-Organic Framework. <i>Australian Journal of Chemistry</i> , 2017 , 70, 973	1.2	
111	Ion-Exchange-Induced Selective Etching for the Synthesis of Amino-Functionalized Hollow Mesoporous Silica for Elevated-High-Temperature Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31922-31930	9.5	19
110	In Situ Formed Phosphoric Acid/Phosphosilicate Nanoclusters in the Exceptional Enhancement of Durability of Polybenzimidazole Membrane Fuel Cells at Elevated High Temperatures. <i>Journal of the Electrochemical Society</i> , 2017 , 164, F1615-F1625	3.9	29
109	Proton dynamics in phosphotungstic acid impregnated mesoporous silica proton exchange membrane materials. <i>Green Energy and Environment</i> , 2017 , 2, 294-301	5.7	2
108	Corrosion Performance of High Strength Low Alloy Steel AISI 4135 in the Marine Splash Zone. <i>Electrochemistry</i> , 2017 , 85, 7-12	1.2	8
107	Electrochemical and Surface Analysis Studies on the Carbon Dioxide Corrosion of X-65 Carbon Steel. <i>Electroanalysis</i> , 2016 , 28, 2910-2921	3	4
106	Understanding Complex Electrochemical Impedance Spectroscopy in Corrosion Systems Using in-situ Synchrotron Radiation Grazing Incidence X-ray Diffraction. <i>Electroanalysis</i> , 2016 , 28, 2166-2170	3	5
105	Electrochemical Ion Transfer with Thin Films of Poly(3-octylthiophene). <i>Analytical Chemistry</i> , 2016 , 88, 6939-46	7.8	19
104	Effect of heat treatment on hydrogen permeation behaviour of AISI 4135 steel under splash zone conditions. <i>Corrosion Engineering Science and Technology</i> , 2016 , 51, 163-170	1.7	3
103	Evidence of double layer/capacitive charging in carbon nanomaterial-based solid contact polymeric ion-selective electrodes. <i>Chemical Communications</i> , 2016 , 52, 9703-6	5.8	19
102	Transportation and Accumulation of Redox Active Species at the Buried Interfaces of Plasticized Membrane Electrodes. <i>Langmuir</i> , 2015 , 31, 10599-609	4	10
101	High activity electrocatalysts from metal-organic framework-carbon nanotube templates for the oxygen reduction reaction. <i>Carbon</i> , 2015 , 82, 417-424	10.4	121
100	Development of an improved ligand mimetic calibration system for the analysis of iron(III) in seawater using the iron(III) chalcogenide glass ion selective electrode: A combined mechanistic and analytical study. <i>Sensors and Actuators B: Chemical</i> , 2015 , 207, 907-917	8.5	2
99	Study on the Temperature Dependence of Pitting Behaviour of AISI 4135 Steel in Marine Splash Zone. <i>Electrochemistry</i> , 2015 , 83, 541-548	1.2	5

98	A calixarene-based ion-selective electrode for thallium(I) detection. <i>Analytica Chimica Acta</i> , 2014 , 851, 78-86	6.6	9
97	A near edge X-ray absorption fine structure (NEXAFS) study of the response mechanism of the iron (III) chalcogenide glass membrane ion-selective electrode. <i>Electrochemistry Communications</i> , 2014 , 41, 27-30	5.1	4
96	Transport and accumulation of ferrocene tagged poly(vinyl chloride) at the buried interfaces of plasticized membrane electrodes. <i>Analyst, The</i> , 2013 , 138, 4266-9	5	11
95	Anhydrous phosphoric Acid functionalized sintered mesoporous silica nanocomposite proton exchange membranes for fuel cells. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11240-8	9.5	33
94	Stack performance of phosphotungstic acid functionalized mesoporous silica (HPW-meso-silica) nanocomposite high temperature proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 12830-12837	6.7	11
93	Evidence for a surface confined ion-to-electron transduction reaction in solid-contact ion-selective electrodes based on poly(3-octylthiophene). <i>Analytical Chemistry</i> , 2013 , 85, 10495-502	7.8	39
92	Is ballistic transportation or quantum confinement responsible for changes in the electrical properties of thin polymer films?. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 1364-8	3.6	2
91	Phosphoric acid functionalized pre-sintered meso-silica for high temperature proton exchange membrane fuel cells. <i>Chemical Communications</i> , 2013 , 49, 4655-7	5.8	28
90	Electrochemistry at the interface between an aqueous droplet and 1,2-dichloroethane. <i>Electrochemistry Communications</i> , 2012 , 19, 142-144	5.1	1
89	Correlation between proton conductivity, thermal stability and structural symmetries in novel HPW-meso-silica nanocomposite membranes and their performance in direct methanol fuel cells. <i>Journal of Membrane Science</i> , 2012 , 397-398, 92-101	9.6	26
88	An Electrochemical Impedance Spectroscopy/Neutron Reflectometry Study of Water Uptake in the Poly(3,4-Ethylenedioxythiophene):Poly(Styrene Sulfonate)/Polymethyl Methacrylate-Polydecyl Methacrylate Copolymer Solid-Contact Ion-Selective Electrode. <i>Electroanalysis</i> , 2012 , 24, 140-145	3	10
87	Coulometric sodium chloride removal system with Nafion membrane for seawater sample treatment. <i>Analytical Chemistry</i> , 2012 , 84, 6158-65	7.8	31
86	Thin layer coulometric determination of nitrate in fresh waters. <i>Analytica Chimica Acta</i> , 2012 , 744, 39-44	6.6	30
85	A Combined Voltammetric and Synchrotron Radiation-Grazing Incidence X-ray Diffraction Study of the Electrocrystallization of Zinc Tetracyanoquinodimethane. <i>Australian Journal of Chemistry</i> , 2012 , 65, 236	1.2	1
84	Water uptake in the hydrophilic poly(3,4-ethylenedioxythiophene):poly(styrene sulfonate) solid-contact of all-solid-state polymeric ion-selective electrodes. <i>Analyst, The</i> , 2011 , 136, 3252-8	5	26
83	Enhanced oxygen reduction at Pd catalytic nanoparticles dispersed onto heteropolytungstate-assembled poly(diallyldimethylammonium)-functionalized carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 4400-10	3.6	44
82	Electrochemical impedance spectroscopy-a simple method for the characterization of polymer inclusion membranes containing aliquat 336. <i>Membranes</i> , 2011 , 1, 132-48	3.8	24
81	A flow cell for transient voltammetry and in situ grazing incidence X-ray diffraction characterization of electrocrystallized cadmium(II) tetracyanoquinodimethane. <i>Electrochimica Acta</i> , 2011 , 56, 1546-1553	6.7	11

80	Modification of coal as a fuel for the direct carbon fuel cell. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 3855-62	2.8	65
79	Synchrotron radiation/Fourier transform-infrared microspectroscopy study of undesirable water inclusions in solid-contact polymeric ion-selective electrodes. <i>Analytical Chemistry</i> , 2010 , 82, 6203-7	7.8	27
78	Evaluation of raw coals as fuels for direct carbon fuel cells. <i>Journal of Power Sources</i> , 2010 , 195, 4051-4088	12.0	
77	In situ structural characterization of electrochemical systems using synchrotron-radiation techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2010 , 29, 528-537	14.6	24
76	Structures and properties of solvated and unsolvated isopropyl functionalised calix[4]arenes. <i>Supramolecular Chemistry</i> , 2009 , 21, 479-485	1.8	3
75	Synthesis and Characterization of High Integrity Solid-Contact Polymeric Ion Sensors. <i>Journal of Solid State Electrochemistry</i> , 2009 , 13, 137-148	2.6	11
74	Surface modification of carbon fuels for direct carbon fuel cells. <i>Journal of Power Sources</i> , 2009 , 186, 1-9	8.9	125
73	Carbon Nanofibers Synthesized by Catalytic Decomposition of Methane and Their Electrochemical Performance in a Direct Carbon Fuel Cell. <i>Energy & Fuels</i> , 2009 , 23, 3721-3731	4.1	30
72	Flow Dependence of Carbon Dioxide Corrosion Using Short Electrodes by Jet Impingement. <i>Corrosion</i> , 2009 , 65, 771-777	1.8	9
71	Response of a copper(II) and iron(III) ion-selective electrode bielectrode array in saline media. <i>Talanta</i> , 2008 , 75, 1234-9	6.2	15
70	Evidence of a water layer in solid-contact polymeric ion sensors. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 73-6	3.6	79
69	Graphitic Carbon Nanofibers Synthesized by the Chemical Vapor Deposition (CVD) Method and Their Electrochemical Performances in Supercapacitors. <i>Energy & Fuels</i> , 2008 , 22, 4139-4145	4.1	42
68	Factors That Determine the Performance of Carbon Fuels in the Direct Carbon Fuel Cell. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 9670-9677	3.9	96
67	Elimination of undesirable water layers in solid-contact polymeric ion-selective electrodes. <i>Analytical Chemistry</i> , 2008 , 80, 6731-40	7.8	112
66	Understanding barium sulfate precipitation onto stainless steel. <i>Applied Surface Science</i> , 2008 , 254, 3459-3468	14	
65	Detecting Biorecognition Events at Blocked Interface Polymeric Membrane Ion-Selective Electrodes Using Electrochemical Impedance Spectroscopy and Atomic Force Microscopy. <i>Electroanalysis</i> , 2008 , 20, 313-317	3	5
64	Kinetic modulation of pulsed chronopotentiometric polymeric membrane ion sensors by polyelectrolyte multilayers. <i>Analytical Chemistry</i> , 2007 , 79, 7154-60	7.8	9
63	Ion-Selective Electrode Potentiometry in Environmental Analysis. <i>Electroanalysis</i> , 2007 , 19, 1987-2001	3	191

62	Response of the Iron Chalcogenide Glass Membrane Ion-Selective Electrode in a Seawater Ligand Mimetic Calibration Buffer. <i>Electroanalysis</i> , 2007 , 19, 2513-2517	3	2
61	An in situ electrochemical impedance spectroscopy/synchrotron radiation grazing incidence X-ray diffraction study of the influence of acetate on the carbon dioxide corrosion of mild steel. <i>Electrochimica Acta</i> , 2007 , 52, 3746-3750	6.7	36
60	Tuning the electrocrystallization parameters of semiconducting Co[TCNQ]2-based materials to yield either single nanowires or crystalline thin films. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2369-82	16.4	73
59	The application of neutron reflectometry and atomic force microscopy in the study of corrosion inhibitor films. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 924-926	2.8	10
58	Synthesis and characterization of turbostratic carbons prepared by catalytic chemical vapour decomposition of acetylene. <i>Applied Catalysis A: General</i> , 2006 , 309, 201-209	5.1	11
57	In situ synchrotron radiation grazing incidence X-ray diffraction A powerful technique for the characterization of solid-state ion-selective electrode surfaces. <i>Electrochimica Acta</i> , 2006 , 51, 4886-4891	6.7	11
56	Response Mechanisms and New Approaches with Solid-State Ion-Selective Electrodes: A Powerful Multitechnique Materials Characterization Approach. <i>Electroanalysis</i> , 2006 , 18, 1273-1281	3	3
55	The role of biosensors in the detection of emerging infectious diseases. <i>Analyst, The</i> , 2006 , 131, 1079-905	5	143
54	An in situ chronoamperometry/synchrotron radiation grazing incidence X-ray diffraction study of the electrochemical oxidation of pyrite in chloride media. <i>Electrochemistry Communications</i> , 2006 , 8, 1661-1664	5.1	11
53	An electrochemical impedance spectroscopy and scanning electron microscopy study of the influence of positive plate compression on the electrochemical behaviour of lead-acid batteries. <i>Electrochimica Acta</i> , 2006 , 51, 2088-2095	6.7	10
52	In situ electrochemical impedance spectroscopy/synchrotron radiation grazing incidence X-ray diffraction A powerful new technique for the characterization of electrochemical surfaces and interfaces. <i>Electrochimica Acta</i> , 2006 , 51, 5920-5925	6.7	15
51	Impedance spectroscopy: Over 35 years of electrochemical sensor optimization. <i>Electrochimica Acta</i> , 2006 , 51, 6217-6229	6.7	188
50	Lithium insertion into manganese dioxide electrode in MnO ₂ /Zn aqueous battery. <i>Journal of Power Sources</i> , 2006 , 153, 165-169	8.9	36
49	Reversible electrochemical monitoring of surface confined reactions at liquid-liquid interfaces by modulation of ion transfer fluxes. <i>Chemical Communications</i> , 2005 , 3074-6	5.8	11
48	Predicting the Adsorption Properties of Carbon Dioxide Corrosion Inhibitors Using a Structure-Activity Relationship. <i>Journal of the Electrochemical Society</i> , 2005 , 152, B1	3.9	22
47	The influence of microstructure on the corrosion rate of various carbon steels. <i>Journal of Applied Electrochemistry</i> , 2005 , 35, 139-149	2.6	78
46	An In Situ Synchrotron Radiation Grazing Incidence X-Ray Diffraction Study of Carbon Dioxide Corrosion. <i>Journal of the Electrochemical Society</i> , 2005 , 152, B389	3.9	38
45	Synergistic effects of novel battery manufacturing processes for lead/acid batteries: Part II: Mechanistic studies. <i>Journal of Applied Electrochemistry</i> , 2004 , 34, 263-270	2.6	2

44	Impedance measurements of a chalcogenide membrane iron(III)-selective electrode in contact with aqueous electrolytes. <i>Electrochimica Acta</i> , 2004 , 49, 3525-3543	6.7	11
43	Lithium insertion into manganese dioxide electrode in MnO ₂ /Zn aqueous battery: Part I. A preliminary study. <i>Journal of Power Sources</i> , 2004 , 130, 254-259	8.9	97
42	Lithium insertion into manganese dioxide electrode in MnO ₂ /Zn aqueous battery: Part II. Comparison of the behavior of EMD and battery grade MnO ₂ in Zn MnO ₂ aqueous LiOH electrolyte. <i>Journal of Power Sources</i> , 2004 , 138, 319-322	8.9	38
41	Characterization of an AgBr/Ag ₂ S/As ₂ S ₃ /HgI ₂ ion-selective electrode membrane: a X-ray photoelectron and impedance spectroscopy approach. <i>Applied Surface Science</i> , 2004 , 228, 378-400	6.7	13
40	A small angle neutron scattering and electrochemical impedance spectroscopy study of the nanostructure of the iron chalcogenide glass ion-selective electrode. <i>Talanta</i> , 2004 , 63, 149-57	6.2	9
39	In situ SERS study of the adsorption of inhibitors of carbon dioxide corrosion. <i>Surface and Interface Analysis</i> , 2003 , 35, 536-543	1.5	10
38	Determination of phosphate in hydroponic nutrient solutions using flow injection potentiometry and a cobalt-wire phosphate ion-selective electrode. <i>Talanta</i> , 2003 , 60, 1215-21	6.2	48
37	A multi-technique surface study of the mercury(II) chalcogenide ion-selective electrode in saline media. <i>Analyst, The</i> , 2003 , 128, 742-9	5	32
36	The Influence of Diffusion Fluxes on the Detection Limit of the Jalpaite Copper Ion-Selective Electrode. <i>Electroanalysis</i> , 2002 , 14, 493-498	3	23
35	Surface studies of a chalcogenide glass ferric ion-selective electrode Part 1: Influence of ferric and hydroxide ions on interfacial kinetics. <i>Surface and Interface Analysis</i> , 2002 , 33, 748-758	1.5	11
34	Surface studies of a chalcogenide glass ferric ion-selective electrode Part 2: The effects of inorganic ions, organic ligands and seawater on sensor response. <i>Surface and Interface Analysis</i> , 2002 , 33, 759-766	1.5	7
33	Synergistic effects of novel battery manufacturing processes for lead-acid batteries. Part I: Charge/discharge cycling of batteries. <i>Journal of Applied Electrochemistry</i> , 2002 , 32, 1039-1042	2.6	4
32	Persistence of Carbon Dioxide Corrosion Inhibitors. <i>Corrosion</i> , 2002 , 58, 354-363	1.8	23
31	Harmonic analysis of carbon dioxide corrosion. <i>Corrosion Science</i> , 2002 , 44, 1213-1221	6.8	14
30	Continuous flow analysis of iron in zinc electrowinning electrolyte using an iron chalcogenide glass ion-selective electrode Part I. Synthetic media. <i>Talanta</i> , 2002 , 57, 115-21	6.2	8
29	Extending the life of maintenance-free lead/acid batteries by etching of grids in sodium hydroxide. <i>Journal of Applied Electrochemistry</i> , 2001 , 31, 953-959	2.6	8
28	A study of the adsorption properties of commercial carbon dioxide corrosion inhibitor formulations. <i>Journal of Applied Electrochemistry</i> , 2001 , 31, 1221-1226	2.6	54
27	Surface Analysis of Adsorbed Carbon Dioxide Corrosion Inhibitors. <i>Corrosion</i> , 2001 , 57, 9-18	1.8	14

26	Continuous flow analysis of mercury using a chalcogenide glass ion-selective electrode. <i>Laboratory Robotics and Automation</i> , 2000 , 12, 194-199		15
25	Calibration of a chalcogenide glass membrane ion-selective electrode for the determination of free Fe ³⁺ in seawater: I. Measurements in UV photooxidised seawater. <i>Marine Chemistry</i> , 2000 , 68, 283-294	3.7	34
24	Reply to Comments on Calibration of a chalcogenide glass membrane ion-selective electrode for the determination of free Fe ³⁺ in seawater: I. Measurements in UV photooxidised seawater by De Marco and Mackey (<i>Marine Chemistry</i> 68 () 283-294) by Constant M.G. van den Berg. <i>Marine Chemistry</i> , 2000 , 71, 333-336	3.7	3
23	Changes in positive lead/acid battery plates during charge/discharge cycling. <i>Journal of Applied Electrochemistry</i> , 2000 , 30, 77-83	2.6	4
22	Electrochemical impedance spectroscopy and X-ray photoelectron spectroscopy study of the response mechanism of the chalcogenide glass membrane iron(III) ion-selective electrode in saline media. <i>Analytical Chemistry</i> , 2000 , 72, 669-79	7.8	26
21	Continuous flow analysis of iron (III) in seawater using a chalcogenide glass ion-selective electrode. <i>Laboratory Robotics and Automation</i> , 1999 , 11, 284-288		19
20	Continuous flow methods for evaluating the response of a copper ion selective electrode to total and free copper in seawater. <i>Journal of Environmental Monitoring</i> , 1999 , 1, 483-7		18
19	Calibration of the Hg chalcogenide glass membrane ion-selective electrode in seawater media. <i>Talanta</i> , 1999 , 49, 385-91	6.2	29
18	Development of a Structure-Activity Relationship for Oil Field Corrosion Inhibitors. <i>Journal of the Electrochemical Society</i> , 1999 , 146, 1751-1756	3.9	232
17	Direct measurement of Cu(II) _{aq} in seawater at pH 8 with the jalpaite ion-selective electrode. <i>Marine Chemistry</i> , 1998 , 61, 173-184	3.7	37
16	Flow injection potentiometric determination of phosphate in waste waters and fertilisers using a cobalt wire ion-selective electrode. <i>Analyst, The</i> , 1998 , 123, 1635-1640	5	40
15	Electrochemical Impedance Spectroscopy Study of the Response Mechanism of the Jalpaite CuII Ion-Selective Electrode in Seawater. <i>Analytical Chemistry</i> , 1998 , 70, 4683-4689	7.8	17
14	Flow-injection Potentiometric Detection of Phosphates Using a Metallic Cobalt Wire Ion-selective Electrode. <i>Analytical Communications</i> , 1997 , 34, 93-95		47
13	Influence of lead(II) carbonate films of non-antimonial grids on the deep discharge cycling behaviour of maintenance-free lead/acid batteries. <i>Journal of Applied Electrochemistry</i> , 1997 , 27, 93-98	2.6	1
12	Response of the jalpaite membrane copper(II) ion-selective electrode in marine waters. <i>Electroanalysis</i> , 1997 , 9, 330-334	3	40
11	Surface studies of the jalpaite-based copper(II) ion-selective electrode membrane in seawater. <i>Marine Chemistry</i> , 1996 , 55, 389-398	3.7	10
10	Surface analysis of commercial lead/acid battery grids. <i>Applied Surface Science</i> , 1995 , 84, 237-244	6.7	5
9	Battery performance enhancement with additions of bismuth. <i>Journal of Power Sources</i> , 1994 , 48, 113-128		10

8	Response of Copper(II) Ion-Selective Electrodes in Seawater. <i>Analytical Chemistry</i> , 1994 , 66, 3202-3207	7.8	33
7	Surface studies of the copper/silver sulfide based ion-selective electrode membrane. <i>Analytical Chemistry</i> , 1992 , 64, 594-598	7.8	28
6	Surface studies of the silver sulfide ion selective electrode membrane. <i>Analytical Chemistry</i> , 1990 , 62, 2339-2346	7.8	24
5	XPS studies of the fluoride ion-selective electrode membrane LaF3: Ion interferences. <i>Surface and Interface Analysis</i> , 1989 , 14, 457-462	1.5	12
4	XPS studies of the fluoride ion-selective electrode membrane LaF3: Evidence for a gel layer on the surface. <i>Surface and Interface Analysis</i> , 1989 , 14, 463-468	1.5	12
3	The effect of the ordered phase CuAu on the accuracy of emission analysis of gold alloys. <i>Analytica Chimica Acta</i> , 1987 , 199, 249-252	6.6	
2	Precision and accuracy of quantitative emission spectrometry with particular reference to gold alloys. <i>Analytica Chimica Acta</i> , 1987 , 194, 189-197	6.6	3
1	Determination of major constituents in metal samples by emission spectrometry using a demountable hollow cathode source and internal standardization. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1986 , 41, 591-595	3.1	4