

Damien Arrigan

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175
papers

4,930
citations

40
h-index

60
g-index

189
ext. papers

5,287
ext. citations

5.3
avg, IF

5.92
L-index

#	Paper	IF	Citations
175	Nanoelectrodes, nanoelectrode arrays and their applications. <i>Analyst, The</i> , 2004 , 129, 1157-65	5	388
174	Fabrication of nanopore array electrodes by focused ion beam milling. <i>Analytical Chemistry</i> , 2007 , 79, 3048-55	7.8	164
173	Tutorial review. Voltammetric determination of trace metals and organics after accumulation at modified electrodes. <i>Analyst, The</i> , 1994 , 119, 1953	5	128
172	Electrochemical strategies for the label-free detection of amino acids, peptides and proteins. <i>Analyst, The</i> , 2007 , 132, 615-32	5	105
171	Voltammetric characterisation of silicon-based microelectrode arrays and their application to mercury-free stripping voltammetry of copper ions. <i>Talanta</i> , 2007 , 71, 1022-30	6.2	83
170	DNA arrays, electronic noses and tongues, biosensors and receptors for rapid detection of toxigenic fungi and mycotoxins: a review. <i>Food Additives and Contaminants</i> , 2005 , 22, 335-44		82
169	Determination of trace metals by underpotential deposition stripping voltammetry at solid electrodes. <i>TrAC - Trends in Analytical Chemistry</i> , 2005 , 24, 208-217	14.6	80
168	Electrochemical immunochip sensor for aflatoxin M1 detection. <i>Analytical Chemistry</i> , 2009 , 81, 5291-8	7.8	76
167	Electrochemical study of insulin at the polarized liquid-liquid interface. <i>Langmuir</i> , 2008 , 24, 9876-82	4	76
166	A study of L-cysteine adsorption on gold via electrochemical desorption and copper(II) ion complexation. <i>Analyst, The</i> , 1999 , 124, 1645-1649	5	73
165	Voltammetric studies of lead at calixarene modified screen-printed carbon electrodes and its trace determination in water by stripping voltammetry. <i>Sensors and Actuators B: Chemical</i> , 2001 , 77, 642-652	8.5	72
164	Potentiometric evaluation of calix[4]arene anion receptors in membrane electrodes: phosphate detection. <i>Analytica Chimica Acta</i> , 2007 , 585, 154-60	6.6	71
163	Electrochemical behaviour of haemoglobin at the liquid/liquid interface. <i>Electrochimica Acta</i> , 2008 , 53, 7204-7209	6.7	71
162	Dopamine voltammetry at overoxidised polyindole electrodes. <i>Electrochimica Acta</i> , 2004 , 49, 4743-4751	6.7	71
161	Calixarenes in electroanalysis. <i>Electroanalysis</i> , 1995 , 7, 205-215	3	70
160	A scanning force microscopy study of poly(phenol) films containing immobilized glucose oxidase. <i>Biosensors and Bioelectronics</i> , 1998 , 13, 293-304	11.8	68
159	Surface immobilisation of antibody on cyclic olefin copolymer for sandwich immunoassay. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 2654-8	11.8	66

158	Selective voltammetric detection of dopamine in the presence of ascorbate. <i>Chemical Communications</i> , 2004 , 732-3	5.8	65
157	Ion-transfer voltammetry at silicon membrane-based arrays of micro-liquid-liquid interfaces. <i>Lab on A Chip</i> , 2007 , 7, 1732-7	7.2	63
156	Electrochemical ion transfer across liquid/liquid interfaces confined within solid-state micropore arrays--simulations and experiments. <i>Analyst, The</i> , 2009 , 134, 148-58	5	61
155	Bioanalytical Detection Based on Electrochemistry at Interfaces between Immiscible Liquids. <i>Analytical Letters</i> , 2008 , 41, 3233-3252	2.2	61
154	Cyclic and pulse voltammetric study of dopamine at the interface between two immiscible electrolyte solutions. <i>Biosensors and Bioelectronics</i> , 2005 , 20, 2097-103	11.8	58
153	Electrochemical detection of oligopeptides at silicon-fabricated micro-liquid/liquid interfaces. <i>Analytical Chemistry</i> , 2008 , 80, 5743-9	7.8	57
152	Application of disorganized monolayer films on gold electrodes to the prevention of surfactant inhibition of the voltammetric detection of trace metals via anodic stripping of underpotential deposits: detection of copper. <i>Analytical Chemistry</i> , 2003 , 75, 319-23	7.8	56
151	Electrochemical behaviour of hen-egg-white lysozyme at the polarised water/1,2-dichloroethane interface. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 2272-80	3.6	55
150	Evaluation of miniaturised solid state reference electrodes on a silicon based component. <i>Sensors and Actuators B: Chemical</i> , 1997 , 44, 389-396	8.5	54
149	Electrochemistry of non-redox-active poly(propylenimine) and poly(amidoamine) dendrimers at liquid-liquid interfaces. <i>Langmuir</i> , 2007 , 23, 7356-64	4	53
148	Ion-transfer electrochemistry at arrays of nanointerfaces between immiscible electrolyte solutions confined within silicon nitride nanopore membranes. <i>Analytical Chemistry</i> , 2010 , 82, 6115-23	7.8	51
147	Interactions of proteins with small ionised molecules: electrochemical adsorption and facilitated ion transfer voltammetry of haemoglobin at the liquid/liquid interface. <i>Analyst, The</i> , 2009 , 134, 1608-13 ⁵	5	51
146	Electrochemically modulated liquid-liquid extraction of ions. <i>Analytical Chemistry</i> , 2005 , 77, 7310-8	7.8	51
145	Development of a portable electroanalytical system for the stripping voltammetry of metals: Determination of copper in acetic acid soil extracts. <i>Analytica Chimica Acta</i> , 2005 , 552, 190-200	6.6	50
144	Recessed nanoband electrodes fabricated by focused ion beam milling. <i>Sensors and Actuators B: Chemical</i> , 2007 , 121, 341-347	8.5	49
143	Ion-transfer voltammetric determination of the beta-blocker propranolol in a physiological matrix at silicon membrane-based liquid/liquid microinterface arrays. <i>Analytical Chemistry</i> , 2009 , 81, 2344-9	7.8	48
142	An environmental monitoring system for trace metals using stripping voltammetry. <i>Sensors and Actuators B: Chemical</i> , 1998 , 48, 409-414	8.5	48
141	Oxygen reduction voltammetry on platinum macrodisk and screen-printed electrodes in ionic liquids: Reaction of the electrogenerated superoxide species with compounds used in the paste of Pt screen-printed electrodes?. <i>Electrochimica Acta</i> , 2013 , 101, 158-168	6.7	47

140	Surface chemical and physical modification in stent technology for the treatment of coronary artery disease. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012 , 100, 1989-2014	3.5	47
139	Single nanoskived nanowires for electrochemical applications. <i>Analytical Chemistry</i> , 2011 , 83, 5535-40	7.8	47
138	Electrochemical detection of dopamine using arrays of liquid-liquid micro-interfaces created within micromachined silicon membranes. <i>Analytica Chimica Acta</i> , 2008 , 611, 156-62	6.6	45
137	Voltammetric Behavior and Trace Determination of Cadmium at a Calixarene Modified Screen-Printed Carbon Electrode. <i>Electroanalysis</i> , 2002 , 14, 177	3	45
136	Adsorptive stripping voltammetry of hen-egg-white-lysozyme via adsorption-desorption at an array of liquid-liquid microinterfaces. <i>Analytical Chemistry</i> , 2012 , 84, 2505-11	7.8	43
135	Detection of food additives by voltammetry at the liquid-liquid interface. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 4304-10	5.7	40
134	Electrochemically modulated liquid-liquid extraction of ionized drugs under physiological conditions. <i>Analytical Chemistry</i> , 2008 , 80, 8102-8	7.8	39
133	Voltammetric behaviour of biological macromolecules at arrays of aqueous organogel micro-interfaces. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 10040-7	3.6	36
132	A review of recent advances in electrochemically modulated extraction methods. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 393, 835-45	4.4	36
131	Electropolishing of medical-grade stainless steel in preparation for surface nano-texturing. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1389-1397	2.6	35
130	Selectivity in the coextraction of cation and anion by electrochemically modulated liquid-liquid extraction. <i>Analytical Chemistry</i> , 2006 , 78, 2717-25	7.8	35
129	Reactive amine surfaces for biosensor applications, prepared by plasma-enhanced chemical vapour modification of polyolefin materials. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1875-80	11.8	34
128	Serum-protein effects on the detection of the beta-blocker propranolol by ion-transfer voltammetry at a micro-ITIES array. <i>Talanta</i> , 2010 , 80, 1993-8	6.2	33
127	Microelectrode Arrays and Microfabricated Devices in Electrochemical Stripping Analysis. <i>Current Analytical Chemistry</i> , 2008 , 4, 229-241	1.7	32
126	Electrochemical oxidation of a hexasulfonated calix[6]arene. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 508, 81-88	4.1	32
125	Use of calixarenes as modifiers of carbon paste electrodes for voltammetric analysis. <i>Electroanalysis</i> , 1994 , 6, 97-106	3	32
124	Microfluidic chip for electrochemically-modulated liquid liquid extraction of ions. <i>Electrochemistry Communications</i> , 2008 , 10, 20-24	5.1	31
123	Electrochemical behaviour of myoglobin at an array of microscopic liquid liquid interfaces. <i>Electrochimica Acta</i> , 2012 , 77, 71-76	6.7	30

122	Electrochemical behaviour and voltammetric sensitivity at arrays of nanoscale interfaces between immiscible liquids. <i>Analyst, The</i> , 2011 , 136, 4674-81	5	30
121	Mechanical polishing as an improved surface treatment for platinum screen-printed electrodes. <i>Sensing and Bio-Sensing Research</i> , 2016 , 9, 38-44	3.3	28
120	Towards improving the robustness of electrochemical gas sensors: impact of PMMA addition on the sensing of oxygen in an ionic liquid. <i>Analytical Methods</i> , 2015 , 7, 7327-7335	3.2	28
119	Polypyrrole Films Doped with an Electroactive Sulfonated Chelating Reagent: Electrochemical Characterization and the Detection of Metal Ions. <i>Electroanalysis</i> , 1999 , 11, 647-652	3	28
118	Enhanced Electroanalytical Sensitivity via Interface Miniaturisation: Ion Transfer Voltammetry at an Array of Nanometre Liquid-Liquid Interfaces. <i>Electroanalysis</i> , 2011 , 23, 1023-1028	3	27
117	Fabrication and characterization of a miniaturized planar voltammetric sensor array for use in an electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 2009 , 140, 532-541	8.5	27
116	Electrochemical behaviour of denatured haemoglobin at the liquid-liquid interface. <i>Electrochemistry Communications</i> , 2010 , 12, 335-337	5.1	27
115	Voltammetry of chromium(VI) at the liquid-liquid interface. <i>Electrochemistry Communications</i> , 2005 , 7, 976-982	5.1	27
114	Ion-transfer voltammetric behavior of propranolol at nanoscale liquid-liquid interface arrays. <i>Analytical Chemistry</i> , 2015 , 87, 4487-94	7.8	26
113	Detection of haemoglobin using an adsorption approach at a liquid-liquid microinterface array. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 3801-6	4.4	26
112	Investigation into the voltammetric behaviour and detection of selenium(IV) at metal electrodes in diverse electrolyte media. <i>Analytica Chimica Acta</i> , 2011 , 699, 127-33	6.6	26
111	Removal of arsenic from alkaline process waters of gold cyanidation by use of Fe ₂ O ₃ @ZrO ₂ nanosorbents. <i>Hydrometallurgy</i> , 2017 , 174, 71-77	4	25
110	Electrochemical detection of ractopamine at arrays of micro-liquid liquid interfaces. <i>Talanta</i> , 2015 , 132, 205-14	6.2	25
109	Electroanalytical behavior of poly-L-lysine dendrigrafts at the interface between two immiscible electrolyte solutions. <i>Analytical Chemistry</i> , 2012 , 84, 5693-9	7.8	25
108	Ion-transfer voltammetric behavior of protein digests at liquid/liquid interfaces. <i>Analytical Chemistry</i> , 2010 , 82, 258-64	7.8	25
107	Array of water-room temperature ionic liquid micro-interfaces. <i>Electrochemistry Communications</i> , 2011 , 13, 477-479	5.1	25
106	Voltammetric behaviour at gold electrodes immersed in the BCR sequential extraction scheme media: Application of underpotential deposition-stripping voltammetry to determination of copper in soil extracts. <i>Analytica Chimica Acta</i> , 2004 , 502, 195-206	6.6	25
105	Calixarene-facilitated transfer of alkali metal ions across the polarised liquid-liquid interface. <i>New Journal of Chemistry</i> , 2000 , 24, 149-154	3.6	25

104	Achievement of Prolonged Oxygen Detection in Room-Temperature Ionic Liquids on Mechanically Polished Platinum Screen-Printed Electrodes. <i>Analytical Chemistry</i> , 2016 , 88, 5104-11	7.8	25
103	Permselective Behaviour at Overoxidised Poly[1-(2-carboxyethyl)pyrrole] Films: Dopamine Versus Ascorbate. <i>Analytical Communications</i> , 1997 , 34, 241-244		24
102	Role of the cell membrane interface in modulating production and uptake of Alzheimer's beta amyloid protein. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 1639-1651	3.8	22
101	Stripping voltammetric detection of insulin at liquid-liquid microinterfaces in the presence of bovine albumin. <i>Analyst, The</i> , 2013 , 138, 6192-6	5	22
100	Achievement of Diffusional Independence at Nanoscale Liquid-Liquid Interfaces within Arrays. <i>Analytical Chemistry</i> , 2015 , 87, 5486-90	7.8	22
99	Interaction of acridine-calix[4]arene with DNA at the electrified liquid liquid interface. <i>Electrochimica Acta</i> , 2010 , 55, 3348-3354	6.7	22
98	Selective silver ion transfer voltammetry at the polarised liquid/liquid interface. <i>Analyst, The</i> , 2003 , 128, 1187-92	5	22
97	Development of Surface-Modified Microelectrode Arrays for the Electrochemical Detection of Dihydrogen Phosphate. <i>Electroanalysis</i> , 2005 , 17, 392-399	3	22
96	Fingerprinting the tertiary structure of electroadsorbed lysozyme at soft interfaces by electrostatic spray ionization mass spectrometry. <i>Chemical Communications</i> , 2014 , 50, 11829-32	5.8	20
95	Chronoamperometric response at nanoscale liquid liquid interface arrays. <i>Electrochimica Acta</i> , 2013 , 101, 177-185	6.7	20
94	The performance of differential pulse stripping voltammetry at micro-liquid liquid interface arrays. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 641, 7-13	4.1	20
93	Electrochemical activity of phenolic calixarenes. <i>Electrochemistry Communications</i> , 2003 , 5, 68-72	5.1	20
92	Underpotential Deposition of Copper at Mercaptoalkane Sulfonate-Coated Polycrystalline Gold. <i>Electroanalysis</i> , 2001 , 13, 751-754	3	20
91	Electrochemical Behavior of Chlorine on Platinum Microdisk and Screen-Printed Electrodes in a Room Temperature Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 23572-23579	3.8	19
90	A lithium iron phosphate reference electrode for ionic liquid electrolytes. <i>Electrochemistry Communications</i> , 2018 , 93, 148-151	5.1	19
89	Electrochemical Characterization of an Oleyl-coated Magnetite Nanoparticle-Modified Electrode. <i>ChemElectroChem</i> , 2014 , 1, 1211-1218	4.3	19
88	Voltammetry of proteins at liquid liquid interfaces. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2013 , 109, 167		19
87	Electrochemical Characterisation of Nanoscale Liquid Liquid Interfaces Located at Focused Ion Beam-Milled Silicon Nitride Membranes. <i>ChemElectroChem</i> , 2015 , 2, 98-105	4.3	19

86	Study of electrochemical phosphate sensing systems: Spectrometric, potentiometric and voltammetric evaluation. <i>Electrochimica Acta</i> , 2009 , 54, 1919-1924	6.7	19
85	Electrochemical Overoxidation of Polyindole and Its Cation-Permselective Behavior. <i>Electroanalysis</i> , 2004 , 16, 979-987	3	18
84	Visualization of Diffusion within Nanoarrays. <i>Analytical Chemistry</i> , 2016 , 88, 6689-95	7.8	17
83	An Electrochemical Sensing Platform Based on Liquid-Liquid Microinterface Arrays Formed in Laser-Ablated Glass Membranes. <i>Analytical Chemistry</i> , 2016 , 88, 2596-604	7.8	17
82	Optimisation of the conditions for stripping voltammetric analysis at liquid-liquid interfaces supported at micropore arrays: a computational simulation. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 1625-31	4.4	17
81	Electrochemistry of dopamine at the polarised liquid liquid interface facilitated by an homo-oxo-calix[3]arene ionophore. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 622, 109-114	4.1	17
80	Bioanalytical Applications of Electrochemistry at Liquid-Liquid Microinterfaces. <i>Electroanalytical Chemistry, A Series of Advances</i> , 2013 , 105-178		16
79	Investigation of a solvent-cast organogel to form a liquid-gel microinterface array for electrochemical detection of lysozyme. <i>Analytica Chimica Acta</i> , 2015 , 893, 34-40	6.6	15
78	Adsorption and Unfolding of Lysozyme at a Polarized Aqueous-Organic Liquid Interface. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 3100-12	3.4	15
77	Reactive Conjugated Polymers: Synthesis, Modification, and Electrochemical Properties of Polypentafluorophenylacetylene (Co)Polymers. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1600450	4.8	15
76	Impact of a surfactant on the electroactivity of proteins at an aqueous-organogel microinterface array. <i>Analytical Chemistry</i> , 2013 , 85, 1389-94	7.8	15
75	Microelectrochemical Systems on Silicon Chips for the Detection of Pollutants in Seawater. <i>Electroanalysis</i> , 2011 , 23, 147-155	3	15
74	Haemoglobin unfolding studies at the liquid liquid interface. <i>Electrochemistry Communications</i> , 2011 , 13, 723-725	5.1	15
73	Interfacial Behavior of p-Hexasulfonato-calix[6]arene at Glassy Carbon Electrodes in Alkaline Aqueous Solution Studied by Voltammetric Methods. <i>Langmuir</i> , 2002 , 18, 9447-9452	4	15
72	Electrochemical study of electroactive reagent retention in overoxidised polypyrrole films. <i>Analytica Chimica Acta</i> , 1999 , 402, 157-167	6.6	15
71	Apparent enhanced underpotential voltammetry of lead(II) at a spontaneously adsorbed monolayer-coated gold electrode. <i>Analyt, The</i> , 1999 , 124, 1797-1802	5	15
70	Electroanalytical Ventures at Nanoscale Interfaces Between Immiscible Liquids. <i>Annual Review of Analytical Chemistry</i> , 2016 , 9, 145-61	12.5	15
69	Electrochemistry of proteins at the interface between two immiscible electrolyte solutions. <i>Current Opinion in Electrochemistry</i> , 2018 , 12, 27-32	7.2	14

68	Calix[4]Arenes in the partial cone conformation as ionophores in silver ion-selective electrodes. <i>Electroanalysis</i> , 1997 , 9, 311-315	3	14
67	An ASIC-based system for stripping voltammetric determination of trace metals. <i>Sensors and Actuators B: Chemical</i> , 1996 , 34, 466-470	8.5	14
66	Effect of humic acid on the underpotential deposition-stripping voltammetry of copper in acetic acid soil extract solutions at mercaptoacetic acid-modified gold electrodes. <i>Analytica Chimica Acta</i> , 2004 , 511, 137-143	6.6	13
65	Theory of electrochemistry at miniaturised interfaces between two immiscible electrolyte solutions. <i>Current Opinion in Electrochemistry</i> , 2017 , 1, 66-72	7.2	12
64	Square-Wave Voltammetric Transfer of Silver Ions Across the Water 1,2-Dichloroethane Interface. <i>Electroanalysis</i> , 2004 , 16, 1227-1231	3	12
63	Fabrication and Electrochemical Characterization of Micro- and Nanoelectrode Arrays for Sensor Applications. <i>Journal of Physics: Conference Series</i> , 2011 , 307, 012052	0.3	11
62	Flow-injection amperometry at microfabricated silicon-based liquid-liquid interface arrays. <i>Electrochimica Acta</i> , 2010 , 55, 4234-4239	6.7	11
61	Underpotential Deposition and Stripping of Lead at Disorganized Monolayer-Modified Gold Electrodes. <i>Electroanalysis</i> , 2005 , 17, 1816-1821	3	11
60	Collisional electrochemistry of laser-ablated gold nanoparticles by electrocatalytic oxidation of glucose. <i>Electrochemistry Communications</i> , 2017 , 77, 24-27	5.1	10
59	Removal of arsenic from gold cyanidation process waters by use of cerium-based magnetic adsorbents. <i>Minerals Engineering</i> , 2018 , 122, 84-90	4.9	10
58	Impact of surface nano-textured stainless steel prepared by focused ion beam on endothelial cell growth. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 5283-90	1.3	10
57	Potentiometric investigation of protonation reactions at aqueous-aqueous boundaries within a dual-stream microfluidic structure. <i>Langmuir</i> , 2010 , 26, 18526-33	4	10
56	Electrochemical properties of polymeric nanopatterned electrodes. <i>Electrochemistry Communications</i> , 2007 , 9, 1833-1839	5.1	10
55	Electrochemically Induced Formation of Cytochrome c Oligomers at Soft Interfaces. <i>ChemElectroChem</i> , 2017 , 4, 898-904	4.3	9
54	Investigation of modified nanopore arrays using FIB/SEM tomography. <i>Faraday Discussions</i> , 2018 , 210, 113-130	3.6	9
53	Detection of Prostate Specific Membrane Antigen at Picomolar Levels Using Biocatalysis Coupled to Assisted Ion Transfer Voltammetry at a Liquid-Organogel Microinterface Array. <i>Analytical Chemistry</i> , 2016 , 88, 11302-11305	7.8	9
52	Characterization of Protein-Facilitated Ion-Transfer Mechanism at a Polarized Aqueous/Organic Interface. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 7436-7444	3.4	9
51	Assessment of ion transfer amperometry at liquid-liquid interfaces for detection in CE. <i>Electrophoresis</i> , 2009 , 30, 3366-71	3.6	9

50	Potentiometric characterisation of a dual-stream electrochemical microfluidic device. <i>Microfluidics and Nanofluidics</i> , 2009 , 6, 231-240	2.8	9
49	Interaction of surface-attached haemoglobin with hydrophobic anions monitored by on-line acoustic wave detector. <i>Bioelectrochemistry</i> , 2010 , 79, 6-10	5.6	9
48	Finite-element simulations of the influence of pore wall adsorption on cyclic voltammetry of ion transfer across a liquid-liquid interface formed at a micropore. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 2494-500	3.6	8
47	Studies of the application of overoxidised polypyrrole films in anodic stripping voltammetry. <i>Analytical Communications</i> , 1998 , 35, 61-62		8
46	Electrochemical oxidation of a tetraester calix[4]arene. <i>Electrochemistry Communications</i> , 2001 , 3, 24-27	5.1	8
45	Secondary Structural Changes in Proteins as a Result of Electroadsorption at Aqueous-Organogel Interfaces. <i>Langmuir</i> , 2019 , 35, 5821-5829	4	7
44	Paper-Based System for Ion Transfer Across the Liquid-Liquid Interface. <i>Analytical Chemistry</i> , 2018 , 90, 8727-8731	7.8	7
43	Reversible Integration of Microfluidic Devices with Microelectrode Arrays for Neurobiological Applications. <i>BioNanoScience</i> , 2014 , 4, 263-275	3.4	7
42	Ion-transfer electrochemistry of rat amylin at the water-organogel microinterface array and its selective detection in a protein mixture. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2096-101	4.5	7
41	Void-Assisted Ion-Paired Proton Transfer at Water-Ionic Liquid Interfaces. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14903-6	16.4	7
40	Characterization of the electrochemical behavior of gastrointestinal fluids using a multielectrode sensor probe. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58, 2521-7	5	7
39	Investigation of potential distribution and the influence of ion complexation on diffusion potentials at aqueous-aqueous boundaries within a dual-stream microfluidic structure. <i>Analytical Chemistry</i> , 2009 , 81, 8373-9	7.8	7
38	Ionophore/ionomer films on glassy carbon electrodes for accumulation voltammetry. Investigation of a lead(II) ionophore. <i>Analyst, The</i> , 1994 , 119, 287	5	7
37	Behavior of lysozyme at the electrified water/room temperature ionic liquid interface. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 2559-61	4.5	6
36	Macromolecular sensing at the liquid-liquid interface. <i>Journal of Physics: Conference Series</i> , 2011 , 307, 012055	0.3	6
35	Nanofabrication of Robust Nanoelectrodes for Electrochemical Applications. <i>ECS Transactions</i> , 2010 , 28, 29-37	1	6
34	Electrochemical Characterization of Regularly-Aligned Nanopore Array Membranes Filled with Electrolyte Solutions and Their Use for Detection of Nucleic Acid Hybridization. <i>ECS Transactions</i> , 2011 , 35, 29-44	1	6
33	Application of the Disorganized Monolayer Gold Electrode to Copper Determination in White Wine. <i>Analytical Letters</i> , 2004 , 37, 591-602	2.2	6

32	Electrodeposition of the bismuth-based superconductor Bi ₂ Sr ₂ CaCu ₂ O ₈ + □ <i>Electrochimica Acta</i> , 1996 , 41, 1629-1632	6.7	6
31	Electroanalytical Opportunities Derived from Ion Transfer at Interfaces between Immiscible Electrolyte Solutions. <i>Australian Journal of Chemistry</i> , 2016 , 69, 1016	1.2	6
30	Electrochemical behaviour at a liquid-organogel microinterface array of fucoidan extracted from algae. <i>Analyst, The</i> , 2017 , 142, 3194-3202	5	5
29	Study of the Effects of Nonlinear Potential Sweeps on Voltammetry. <i>Electroanalysis</i> , 2009 , 21, 68-76	3	5
28	Synthesis and electrochemical study of a tetra(ester thiophene)calix[4]arene: ionic recognition and electropolymerisation behaviour. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2665-2670		5
27	Incorporation of hydroxamic acid ligands into Nafion film electrodes. <i>Analyst, The</i> , 1993 , 118, 355	5	5
26	Sensing via Voltammetric Ion-Transfer at an Aqueous-Organogel Micro-Interface Array. <i>Sensor Letters</i> , 2011 , 9, 721-724	0.9	5
25	Detection of perfluorooctane sulfonate by ion-transfer stripping voltammetry at an array of microinterfaces between two immiscible electrolyte solutions. <i>Analyst, The</i> , 2020 , 145, 5776-5786	5	4
24	Electrochemical Behavior and Detection of Sulfated Sucrose at a Liquid Organogel Microinterface Array. <i>Analytical Chemistry</i> , 2018 , 90, 10256-10262	7.8	4
23	Electroactivity of Aptamer at Soft Microinterface Arrays. <i>Analytical Chemistry</i> , 2018 , 90, 8470-8477	7.8	4
22	STIR-BAR ADSORPTIVE EXTRACTION ON A POLY(TETRAFLUOROETHYLENE) COATED STIR-BAR: PRELIMINARY EVALUATION USING PHENANTHRENE. <i>Analytical Letters</i> , 2002 , 35, 1429-1435	2.2	4
21	Zinc Oxide Nanoparticles as Antifouling Materials for the Electrochemical Detection of Methylparaben. <i>ChemElectroChem</i> , 2021 , 8, 187-194	4.3	4
20	Immobilisation of antibody on microporous silicon membranes. <i>Mikrochimica Acta</i> , 2009 , 166, 349-353	5.8	3
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