

# Damien Arrigan

## List of Publications by Year in descending order

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178  
papers

5,714  
citations

61857

43  
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106150

65  
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189  
all docs

189  
docs citations

189  
times ranked

4438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoelectrodes, nanoelectrode arrays and their applications. <i>Analyst, The</i> , 2004, 129, 1157.	1.7	438
2	Fabrication of Nanopore Array Electrodes by Focused Ion Beam Milling. <i>Analytical Chemistry</i> , 2007, 79, 3048-3055.	3.2	192
3	Tutorial review. Voltammetric determination of trace metals and organics after accumulation at modified electrodes. <i>Analyst, The</i> , 1994, 119, 1953.	1.7	162
4	Electrochemical strategies for the label-free detection of amino acids, peptides and proteins. <i>Analyst, The</i> , 2007, 132, 615.	1.7	115
5	Determination of trace metals by underpotential depositionâ€“stripping voltammetry at solid electrodes. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 208-217.	5.8	94
6	Voltammetric characterisation of silicon-based microelectrode arrays and their application to mercury-free stripping voltammetry of copper ions. <i>Talanta</i> , 2007, 71, 1022-1030.	2.9	90
7	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, 335-344.	2.0	88
8	A study of L-cysteine adsorption on gold via electrochemical desorption and copper(II) ion complexation. <i>Analyst, The</i> , 1999, 124, 1645-1649.	1.7	85
9	Electrochemical Study of Insulin at the Polarized Liquidâˆ“Liquid Interface. <i>Langmuir</i> , 2008, 24, 9876-9882.	1.6	83
10	Potentiometric evaluation of calix[4]arene anion receptors in membrane electrodes: Phosphate detection. <i>Analytica Chimica Acta</i> , 2007, 585, 154-160.	2.6	82
11	Calixarenes in electroanalysis. <i>Electroanalysis</i> , 1995, 7, 205-215.	1.5	81
12	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.	4.0	81
13	Electrochemical Immuno chip Sensor for Aflatoxin M <sub>1</sub> Detection. <i>Analytical Chemistry</i> , 2009, 81, 5291-5298.	3.2	79
14	Electrochemical behaviour of haemoglobin at the liquid/liquid interface. <i>Electrochimica Acta</i> , 2008, 53, 7204-7209.	2.6	77
15	A scanning force microscopy study of poly(phenol) films containing immobilized glucose oxidase. <i>Biosensors and Bioelectronics</i> , 1998, 13, 293-304.	5.3	75
16	Dopamine voltammetry at overoxidised polyindole electrodes. <i>Electrochimica Acta</i> , 2004, 49, 4743-4751.	2.6	73
17	Surface immobilisation of antibody on cyclic olefin copolymer for sandwich immunoassay. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2654-2658.	5.3	73
18	Ion-transfer voltammetry at silicon membrane-based arrays of micro-liquidâˆ“liquid interfaces. <i>Lab on A Chip</i> , 2007, 7, 1732.	3.1	70

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19	Selective voltammetric detection of dopamine in the presence of ascorbateElectronic supplementary information (ESI) available: experimental details, cell compositions, methodology. See <a href="http://www.rsc.org/suppdata/cc/b3/b316493d/">http://www.rsc.org/suppdata/cc/b3/b316493d/</a> . Chemical Communications, 2004, , 732.	2.2	69
20	Bioanalytical Detection Based on Electrochemistry at Interfaces between Immiscible Liquids. Analytical Letters, 2008, 41, 3233-3252.	1.0	68
21	Interactions of proteins with small ionised molecules: electrochemical adsorption and facilitated ion transfer voltammetry of haemoglobin at the liquid   liquid interface. Analyst, The, 2009, 134, 1608.	1.7	66
22	Evaluation of miniaturised solid state reference electrodes on a silicon based component. Sensors and Actuators B: Chemical, 1997, 44, 389-396.	4.0	65
23	An environmental monitoring system for trace metals using stripping voltammetry. Sensors and Actuators B: Chemical, 1998, 48, 409-414.	4.0	64
24	Electrochemical ion transfer across liquid/liquid interfaces confined within solid-state micropore arrays – simulations and experiments. Analyst, The, 2009, 134, 148-158.	1.7	64
25	Cyclic and pulse voltammetric study of dopamine at the interface between two immiscible electrolyte solutions. Biosensors and Bioelectronics, 2005, 20, 2097-2103.	5.3	63
26	Electrochemical behaviour of hen-egg-white lysozyme at the polarised water/1, 2-dichloroethane interface. Physical Chemistry Chemical Physics, 2009, 11, 2272.	1.3	61
27	Development of a portable electroanalytical system for the stripping voltammetry of metals: Determination of copper in acetic acid soil extracts. Analytica Chimica Acta, 2005, 552, 190-200.	2.6	59
28	Electrochemical Detection of Oligopeptides at Silicon-Fabricated Micro-Liquid–Liquid Interfaces. Analytical Chemistry, 2008, 80, 5743-5749.	3.2	59
29	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. Analytical Chemistry, 2003, 75, 319-323.	3.2	58
30	Surface chemical and physical modification in stent technology for the treatment of coronary artery disease. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 1989-2014.	1.6	57
31	Electrochemistry of Non-Redox-Active Poly(propylenimine) and Poly(amidoamine) Dendrimers at Liquid–Liquid Interfaces. Langmuir, 2007, 23, 7356-7364.	1.6	56
32	Recessed nanoband electrodes fabricated by focused ion beam milling. Sensors and Actuators B: Chemical, 2007, 121, 341-347.	4.0	55
33	Ion-Transfer Electrochemistry at Arrays of Nanointerfaces between Immiscible Electrolyte Solutions Confined within Silicon Nitride Nanopore Membranes. Analytical Chemistry, 2010, 82, 6115-6123.	3.2	55
34	Electrochemically Modulated Liquid–Liquid Extraction of Ions. Analytical Chemistry, 2005, 77, 7310-7318.	3.2	53
35	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?. Electrochimica Acta, 2013, 101, 158-168.	2.6	53
36	Single Nanoskived Nanowires for Electrochemical Applications. Analytical Chemistry, 2011, 83, 5535-5540.	3.2	52

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37	Electrochemical detection of dopamine using arrays of liquid-liquid micro-interfaces created within micromachined silicon membranes. <i>Analytica Chimica Acta</i> , 2008, 611, 156-162.	2.6	50
38	Detection of Food Additives by Voltammetry at the Liquid-Liquid Interface. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 4304-4310.	2.4	50
39	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, 2344-2349.	3.2	50
40	Voltammetric Behavior and Trace Determination of Cadmium at a Calixarene Modified Screen-Printed Carbon Electrode. <i>Electroanalysis</i> , 2002, 14, 177.	1.5	48
41	Adsorptive Stripping Voltammetry of Hen-Egg-White-Lysozyme via Adsorption-Desorption at an Array of Liquid-Liquid Microinterfaces. <i>Analytical Chemistry</i> , 2012, 84, 2505-2511.	3.2	48
42	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.	1.4	47
43	Electropolishing of medical-grade stainless steel in preparation for surface nano-texturing. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1389-1397.	1.2	45
44	Electrochemically Modulated Liquid-Liquid Extraction of Ionized Drugs under Physiological Conditions. <i>Analytical Chemistry</i> , 2008, 80, 8102-8108.	3.2	43
45	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, 1993-1998.	2.9	42
46	Use of calixarenes as modifiers of carbon paste electrodes for voltammetric analysis. <i>Electroanalysis</i> , 1994, 6, 97-106.	1.5	41
47	A review of recent advances in electrochemically modulated extraction methods. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 835-845.	1.9	40
48	Voltammetric behaviour of biological macromolecules at arrays of aqueous-organogel micro-interfaces. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10040.	1.3	40
49	Selectivity in the Coextraction of Cation and Anion by Electrochemically Modulated Liquid-Liquid Extraction. <i>Analytical Chemistry</i> , 2006, 78, 2717-2725.	3.2	37
50	Reactive amine surfaces for biosensor applications, prepared by plasma-enhanced chemical vapour modification of polyolefin materials. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1875-1880.	5.3	37
51	Mechanical polishing as an improved surface treatment for platinum screen-printed electrodes. <i>Sensing and Bio-Sensing Research</i> , 2016, 9, 38-44.	2.2	37
52	Investigation into the voltammetric behaviour and detection of selenium(IV) at metal electrodes in diverse electrolyte media. <i>Analytica Chimica Acta</i> , 2011, 699, 127-133.	2.6	36
53	Microfluidic chip for electrochemically-modulated liquid-liquid extraction of ions. <i>Electrochemistry Communications</i> , 2008, 10, 20-24.	2.3	35
54	Electrochemical behaviour of myoglobin at an array of microscopic liquid-liquid interfaces. <i>Electrochimica Acta</i> , 2012, 77, 71-76.	2.6	35

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55	Electrochemical detection of ractopamine at arrays of micro-liquid   liquid interfaces. <i>Talanta</i> , 2015, 132, 205-214.	2.9	35
56	Microelectrode Arrays and Microfabricated Devices in Electrochemical Stripping Analysis. <i>Current Analytical Chemistry</i> , 2008, 4, 229-241.	0.6	33
57	Detection of haemoglobin using an adsorption approach at a liquid-liquid microinterface array. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3801-3806.	1.9	33
58	Polypyrrole Films Doped with an Electroactive Sulfonated Chelating Reagent: Electrochemical Characterization and the Detection of Metal Ions. <i>Electroanalysis</i> , 1999, 11, 647-652.	1.5	32
59	Electrochemical oxidation of a hexasulfonated calix[6]arene. <i>Journal of Electroanalytical Chemistry</i> , 2001, 508, 81-88.	1.9	32
60	Electrochemical behaviour and voltammetric sensitivity at arrays of nanoscale interfaces between immiscible liquids. <i>Analyst</i> , The, 2011, 136, 4674.	1.7	32
61	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.	1.3	32
62	Ion-Transfer Voltammetric Behavior of Propranolol at Nanoscale Liquid-Liquid Interface Arrays. <i>Analytical Chemistry</i> , 2015, 87, 4487-4494.	3.2	32
63	Enhanced Electroanalytical Sensitivity via Interface Miniaturisation: Ion Transfer Voltammetry at an Array of Nanometre Liquid-Liquid Interfaces. <i>Electroanalysis</i> , 2011, 23, 1023-1028.	1.5	31
64	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.	4.0	30
65	Achievement of Diffusional Independence at Nanoscale Liquid-Liquid Interfaces within Arrays. <i>Analytical Chemistry</i> , 2015, 87, 5486-5490.	3.2	30
66	Voltammetry of chromium(VI) at the liquid   liquid interface. <i>Electrochemistry Communications</i> , 2005, 7, 976-982.	2.3	29
67	Electrochemical behaviour of denatured haemoglobin at the liquid   liquid interface. <i>Electrochemistry Communications</i> , 2010, 12, 335-337.	2.3	29
68	Achievement of Prolonged Oxygen Detection in Room-Temperature Ionic Liquids on Mechanically Polished Platinum Screen-Printed Electrodes. <i>Analytical Chemistry</i> , 2016, 88, 5104-5111.	3.2	29
69	Permselective Behaviour at Overoxidised Poly[1-(2-carboxyethyl)pyrrole] Films: Dopamine Versus Ascorbate. <i>Analytical Communications</i> , 1997, 34, 241-244.	2.2	28
70	Voltammetric behaviour at gold electrodes immersed in the BCR sequential extraction scheme media. <i>Analitica Chimica Acta</i> , 2004, 502, 195-206.	2.6	28
71	Voltammetry of proteins at liquid-liquid interfaces. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2013, 109, 167.	4.4	28
72	Removal of arsenic from alkaline process waters of gold cyanidation by use of $\text{Fe}_3\text{O}_4/\text{ZrO}_2$ nanosorbents. <i>Hydrometallurgy</i> , 2017, 174, 71-77.	1.8	28

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73	Calixarene-facilitated transfer of alkali metal ions across the polarised liquid-liquid interface. <i>New Journal of Chemistry</i> , 2000, 24, 149-154.	1.4	27
74	Array of water   room temperature ionic liquid micro-interfaces. <i>Electrochemistry Communications</i> , 2011, 13, 477-479.	2.3	27
75	Ion-Transfer Voltammetric Behavior of Protein Digests at Liquid   Liquid Interfaces. <i>Analytical Chemistry</i> , 2010, 82, 258-264.	3.2	26
76	Electroanalytical Behavior of Poly-L-Lysine Dendrigrfts at the Interface between Two Immiscible Electrolyte Solutions. <i>Analytical Chemistry</i> , 2012, 84, 5693-5699.	3.2	26
77	An Electrochemical Sensing Platform Based on Liquid-Liquid Microinterface Arrays Formed in Laser-Ablated Glass Membranes. <i>Analytical Chemistry</i> , 2016, 88, 2596-2604.	3.2	26
78	A lithium iron phosphate reference electrode for ionic liquid electrolytes. <i>Electrochemistry Communications</i> , 2018, 93, 148-151.	2.3	26
79	Electrochemistry of proteins at the interface between two immiscible electrolyte solutions. <i>Current Opinion in Electrochemistry</i> , 2018, 12, 27-32.	2.5	26
80	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.	1.5	25
81	Selective silver ion transfer voltammetry at the polarised liquid   liquid interface. <i>Analyst, The</i> , 2003, 128, 1187.	1.7	24
82	Interaction of acridine-calix[4]arene with DNA at the electrified liquid   liquid interface. <i>Electrochimica Acta</i> , 2010, 55, 3348-3354.	2.6	24
83	Stripping voltammetric detection of insulin at liquid-liquid microinterfaces in the presence of bovine albumin. <i>Analyst, The</i> , 2013, 138, 6192.	1.7	24
84	Fingerprinting the tertiary structure of electroadsorbed lysozyme at soft interfaces by electrostatic spray ionization mass spectrometry. <i>Chemical Communications</i> , 2014, 50, 11829-11832.	2.2	24
85	Development of Surface-Modified Microelectrode Arrays for the Electrochemical Detection of Dihydrogen Phosphate. <i>Electroanalysis</i> , 2005, 17, 392-399.	1.5	23
86	Underpotential Deposition of Copper at Mercaptoalkane Sulfonate-Coated Polycrystalline Gold. <i>Electroanalysis</i> , 2001, 13, 751-754.	1.5	22
87	Electrochemical Characterization of an Oleyl-coated Magnetite Nanoparticle-Modified Electrode. <i>ChemElectroChem</i> , 2014, 1, 1211-1218.	1.7	22
88	Reactive Conjugated Polymers: Synthesis, Modification, and Electrochemical Properties of Polypentafluorophenylacetylene (Co)Polymers. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600450.	2.0	22
89	Electrochemical activity of phenolic calixarenes. <i>Electrochemistry Communications</i> , 2003, 5, 68-72.	2.3	21
90	The performance of differential pulse stripping voltammetry at micro-liquid-liquid interface arrays. <i>Journal of Electroanalytical Chemistry</i> , 2010, 641, 7-13.	1.9	21

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91	Chronoamperometric response at nanoscale liquid-liquid interface arrays. <i>Electrochimica Acta</i> , 2013, 101, 177-185.	2.6	21
92	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.	2.6	21
93	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.	1.9	20
94	Study of electrochemical phosphate sensing systems: Spectrometric, potentiometric and voltammetric evaluation. <i>Electrochimica Acta</i> , 2009, 54, 1919-1924.	2.6	20
95	Electrochemical Characterisation of Nanoscale Liquid   Liquid Interfaces Located at Focused Ion Beam-Milled Silicon Nitride Membranes. <i>ChemElectroChem</i> , 2015, 2, 98-105.	1.7	20
96	Visualization of Diffusion within Nanoarrays. <i>Analytical Chemistry</i> , 2016, 88, 6689-6695.	3.2	20
97	Calix[4]Arenes in the partial cone conformation as ionophores in silver ion-selective electrodes. <i>Electroanalysis</i> , 1997, 9, 311-315.	1.5	19
98	Electrochemical study of electroactive reagent retention in overoxidised polypyrrole films. <i>Analytica Chimica Acta</i> , 1999, 402, 157-167.	2.6	19
99	Apparent enhanced underpotential voltammetry of lead(II) at a spontaneously adsorbed monolayer-coated gold electrode. <i>Analyst</i> , 1999, 124, 1797-1802.	1.7	19
100	Electrochemical Overoxidation of Polyindole and Its Cation-Permselective Behavior. <i>Electroanalysis</i> , 2004, 16, 979-987.	1.5	19
101	Microelectrochemical Systems on Silicon Chips for the Detection of Pollutants in Seawater. <i>Electroanalysis</i> , 2011, 23, 147-155.	1.5	19
102	An ASIC-based system for stripping voltammetric determination of trace metals. <i>Sensors and Actuators B: Chemical</i> , 1996, 34, 466-470.	4.0	18
103	Characterization of Protein-Facilitated Ion-Transfer Mechanism at a Polarized Aqueous/Organic Interface. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7436-7444.	1.2	18
104	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, 1625-1631.	1.9	17
105	Impact of a Surfactant on the Electroactivity of Proteins at an Aqueous-Organogel Microinterface Array. <i>Analytical Chemistry</i> , 2013, 85, 1389-1394.	3.2	17
106	Zinc Oxide Nanoparticles as Antifouling Materials for the Electrochemical Detection of Methylparaben. <i>ChemElectroChem</i> , 2021, 8, 187-194.	1.7	17
107	Bioanalytical Applications of Electrochemistry at Liquid-Liquid Microinterfaces. <i>Electroanalytical Chemistry, A Series of Advances</i> , 2013, , 105-178.	1.7	17
108	Haemoglobin unfolding studies at the liquid-liquid interface. <i>Electrochemistry Communications</i> , 2011, 13, 723-725.	2.3	16

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109	Electroanalytical Ventures at Nanoscale Interfaces Between Immiscible Liquids. <i>Annual Review of Analytical Chemistry</i> , 2016, 9, 145-161.	2.8	16
110	Adsorption and Unfolding of Lysozyme at a Polarized Aqueous-Organic Liquid Interface. <i>Journal of Physical Chemistry B</i> , 2016, 120, 3100-3112.	1.2	16
111	Theory of electrochemistry at miniaturised interfaces between two immiscible electrolyte solutions. <i>Current Opinion in Electrochemistry</i> , 2017, 1, 66-72.	2.5	16
112	Collisional electrochemistry of laser-ablated gold nanoparticles by electrocatalytic oxidation of glucose. <i>Electrochemistry Communications</i> , 2017, 77, 24-27.	2.3	16
113	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.	1.6	15
114	Detection of perfluorooctane sulfonate by ion-transfer stripping voltammetry at an array of microinterfaces between two immiscible electrolyte solutions. <i>Analyst</i> , 2020, 145, 5776-5786.	1.7	15
115	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.	2.6	14
116	Removal of arsenic from gold cyanidation process waters by use of cerium-based magnetic adsorbents. <i>Minerals Engineering</i> , 2018, 122, 84-90.	1.8	14
117	Studies of the application of overoxidised polypyrrole films in anodic stripping voltammetry. <i>Analytical Communications</i> , 1998, 35, 61-62.	2.2	13
118	Electrodeposition of the bismuth-based superconductor $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8 + \hat{\Gamma}$ . <i>Electrochimica Acta</i> , 1996, 41, 1629-1632.	2.6	12
119	Square-Wave Voltammetric Transfer of Silver Ions Across the Water   1,2-Dichloroethane Interface. <i>Electroanalysis</i> , 2004, 16, 1227-1231.	1.5	12
120	Fabrication and Electrochemical Characterization of Micro- and Nanoelectrode Arrays for Sensor Applications. <i>Journal of Physics: Conference Series</i> , 2011, 307, 012052.	0.3	12
121	Electroanalytical Opportunities Derived from Ion Transfer at Interfaces between Immiscible Electrolyte Solutions. <i>Australian Journal of Chemistry</i> , 2016, 69, 1016.	0.5	12
122	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.	3.2	12
123	Investigation of modified nanopore arrays using FIB/SEM tomography. <i>Faraday Discussions</i> , 2018, 210, 113-130.	1.6	12
124	Electrochemical oxidation of a tetraester calix[4]arene. <i>Electrochemistry Communications</i> , 2001, 3, 24-27.	2.3	11
125	Underpotential Deposition and Stripping of Lead at Disorganized Monolayer-Modified Gold Electrodes. <i>Electroanalysis</i> , 2005, 17, 1816-1821.	1.5	11
126	Assessment of ion transfer amperometry at liquid-liquid interfaces for detection in CE. <i>Electrophoresis</i> , 2009, 30, 3366-3371.	1.3	11



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127	Flow-injection amperometry at microfabricated silicon-based 1/4-liquid-liquid interface arrays. <i>Electrochimica Acta</i> , 2010, 55, 4234-4239.	2.6	11
128	Electrochemical properties of polymeric nanopatterned electrodes. <i>Electrochemistry Communications</i> , 2007, 9, 1833-1839.	2.3	10
129	Potentiometric characterisation of a dual-stream electrochemical microfluidic device. <i>Microfluidics and Nanofluidics</i> , 2009, 6, 231-240.	1.0	10
130	Potentiometric Investigation of Protonation Reactions at Aqueous-Aqueous Boundaries within a Dual-Stream Microfluidic Structure. <i>Langmuir</i> , 2010, 26, 18526-18533.	1.6	10
131	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, 5283-5290.	0.9	10
132	Paper-Based System for Ion Transfer Across the Liquid-Liquid Interface. <i>Analytical Chemistry</i> , 2018, 90, 8727-8731.	3.2	10
133	Ionophore/ionomer films on glassy carbon electrodes for accumulation voltammetry. Investigation of a lead(II) ionophore. <i>Analyst, The</i> , 1994, 119, 287.	1.7	9
134	Interaction of surface-attached haemoglobin with hydrophobic anions monitored by on-line acoustic wave detector. <i>Bioelectrochemistry</i> , 2010, 79, 6-10.	2.4	9
135	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.	1.3	9
136	Electrochemically Induced Formation of Cytochrome <i>c</i> Oligomers at Soft Interfaces. <i>ChemElectroChem</i> , 2017, 4, 898-904.	1.7	9
137	Secondary Structural Changes in Proteins as a Result of Electroadsorption at Aqueous-Organogel Interfaces. <i>Langmuir</i> , 2019, 35, 5821-5829.	1.6	9
138	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, 8373-8379.	3.2	8
139	Nanofabrication of Robust Nanoelectrodes for Electrochemical Applications. <i>ECS Transactions</i> , 2010, 28, 29-37.	0.3	8
140	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, 2096-2101.	1.7	8
141	Reversible Integration of Microfluidic Devices with Microelectrode Arrays for Neurobiological Applications. <i>BioNanoScience</i> , 2014, 4, 263-275.	1.5	8
142	Void-Assisted Ion-Paired Proton Transfer at Water-Ionic Liquid Interfaces. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14903-14906.	7.2	8
143	Electrochemically controlled cocrystallisation of caffeine:1-hydroxy-2-naphthoic acid. <i>CrystEngComm</i> , 2021, 24, 48-51.	1.3	8
144	Incorporation of hydroxamic acid ligands into Nafion film electrodes. <i>Analyst, The</i> , 1993, 118, 355.	1.7	7

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145	Application of the Disorganized Monolayer Gold Electrode to Copper Determination in White Wine. <i>Analytical Letters</i> , 2004, 37, 591-602.	1.0	7
146	Characterization of the Electrochemical Behavior of Gastrointestinal Fluids Using a Multielectrode Sensor Probe. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 2521-2527.	2.5	7
147	Electroactivity of Aptamer at Soft Microinterface Arrays. <i>Analytical Chemistry</i> , 2018, 90, 8470-8477.	3.2	7
148	Analysis of inorganic solids by laser ablation inductively coupled plasma spectrometry. <i>Analytical Proceedings</i> , 1992, 29, 23.	0.4	6
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