Hubert H Girault

List of Publications by Year
in descending order

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563 papers	24,347 citations	8732 75 h-index	20900 115 g-index
581 all docs	581 docs citations	581 times ranked	17924 citing authors

#	Article	IF	Citations
1	A nanoporous molybdenum carbide nanowire as an electrocatalyst for hydrogen evolution reaction. Energy and Environmental Science, 2014, 7, 387-392.	15.6	972
2	MoS₂ Formed on Mesoporous Graphene as a Highly Active Catalyst for Hydrogen Evolution. Advanced Functional Materials, 2013, 23, 5326-5333.	7.8	664
3	UV Laser Machined Polymer Substrates for the Development of Microdiagnostic Systems. Analytical Chemistry, 1997, 69, 2035-2042.	3.2	493
4	Mixing Processes in a Zigzag Microchannel:Â Finite Element Simulations and Optical Study. Analytical Chemistry, 2002, 74, 4279-4286.	3.2	425
5	Electrochemical potential window of battery electrolytes: the HOMOâ€“LUMO misconception. Energy and Environmental Science, 2018, 11, 2306-2309.	15.6	341
6	Electrochemistry at liquid/liquid interfaces: methodology and potential applications. Electrochimica Acta, 2000, 45, 2647-2662.	2.6	273
7	Microfluidic systems in proteomics. Electrophoresis, 2003, 24, 3533-3562.	1.3	250
8	Ion transfer reactions across a liquidâ€"liquid interface supported on a micropipette tip. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 208, 179-183.	0.3	240
9	Charging and discharging at the nanoscale: Fermi level equilibration of metallic nanoparticles. Chemical Science, 2015, 6, 2705-2720.	3.7	173
10	Finite Element Simulation of an Electroosmotic-Driven Flow Division at a T-Junction of Microscale Dimensions. Analytical Chemistry, 2000, 72, 1987-1993.	3.2	169
11	Enzyme linked immunosorbent assay on a microchip with electrochemical detection. Lab on A Chip, 2001, 1, 153.	3.1	160
12	Assisted ion transfer at micro-ITIES supported at the tip of micropipettes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 318, 101-109.	0.3	157
13	Protein fractionation in a multicompartment device using Off-Gelâ„¢ isoelectric focusing. Electrophoresis, 2003, 24, 3-11.	1.3	155
14	The measurement of interfacial tension of pendant drops using a video image profile digitizer. Journal of Colloid and Interface Science, 1984, 101, 257-266.	5.0	144
15	Nanocomposite of MoS2 on ordered mesoporous carbon nanospheres: A highly active catalyst for electrochemical hydrogen evolution. Electrochemistry Communications, 2012, 22, 128-132.	2.3	143
16	Electrochemical Detection in Polymer Microchannels. Analytical Chemistry, 1999, 71, 4294-4299.	3.2	141
17	Molecular Electrocatalysis for Oxygen Reduction by Cobalt Porphyrins Adsorbed at Liquid/Liquid Interfaces. Journal of the American Chemical Society, 2010, 132, 2655-2662.	6.6	141
18	Low-cost industrially available molybdenum boride and carbide as â€œplatinum-likeâ€•catalysts for the hydrogen evolution reaction in biphasic liquid systems. Physical Chemistry Chemical Physics, 2013, 15, 2847.	1.3	137

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19	Photoinduced electron transfer at liquid/liquid interfaces Part II. A study of the electron transfer and recombination dynamics by intensity modulated photocurrent spectroscopy (IMPS). Physical Chemistry Chemical Physics, 1999, 1, 1461-1467.	1.3	130
20	Conductive Gold Nanoparticle Mirrors at Liquid/Liquid Interfaces. ACS Nano, 2013, 7, 9241-9248.	7.3	128
21	Reversible Voltage-Induced Assembly of Au Nanoparticles at Liquid|Liquid Interfaces. Journal of the American Chemical Society, 2004, 126, 915-919.	6.6	127
22	Multilayer-Assembled Microchip for Enzyme Immobilization as Reactor Toward Low-Level Protein Identification. Analytical Chemistry, 2006, 78, 801-808.	3.2	126
23	Cyclic voltammetry at a regular microdisc electrode array. Journal of Electroanalytical Chemistry, 2001, 502, 138-145.	1.9	123
24	Protein purification by Off-Gel electrophoresis. Proteomics, 2002, 2, 151-156.	1.3	119
25	Biomimetic Oxygen Reduction by Cofacial Porphyrins at a Liquidâ€“Liquid Interface. Journal of the American Chemical Society, 2012, 134, 5974-5984.	6.6	118
26	Ionic Partition Diagrams:Â A Potentialâ^'pH Representation. Journal of the American Chemical Society, 1996, 118, 11951-11957.	6.6	116
27	Investigation of the kinetics of assisted potassium ion transfer by dibenzo-18-crown-6 at the micro-ITIES by means of steady-state voltammetry. Journal of Electroanalytical Chemistry, 1995, 380, 167-175.	1.9	115
28	Steady state current for ion transfer reactions at a micro liquid/liquid interface. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 266, 465-469.	0.3	113
29	Determination of the half-wave potential of the species limiting the potential window. Measurement of gibbs transfer energies at the water/1,2-dichloroethane interface. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 2593.	1.7	113
30	Ionic partition diagrams of ionisable drugs: pH-lipophilicity profiles, transfer mechanisms and charge effects on solvation. Journal of Electroanalytical Chemistry, 1999, 462, 235-250.	1.9	113
31	Hydrogen evolution across nano-Schottky junctions at carbon supported MoS2 catalysts in biphasic liquid systems. Chemical Communications, 2012, 48, 6484.	2.2	113
32	Microchannel networks for electrophoretic separations. Electrophoresis, 1999, 20, 727-731.	1.3	111
33	Proton-Coupled Oxygen Reduction at Liquidâ^'Liquid Interfaces Catalyzed by Cobalt Porphine. Journal of the American Chemical Society, 2009, 131, 13453-13459.	6.6	109
34	Facilitated ion transfer reactions across oil|water interfaces. Journal of Electroanalytical Chemistry, 1998, 451, 59-76.	1.9	108
35	Micro-hole interface for the amperometric determination of ionic species in aqueous solutions. Journal of Electroanalytical Chemistry, 1994, 364, 155-161.	1.9	107
36	Why the move to microfluidics for protein analysis?. Current Opinion in Biotechnology, 2004, 15, 31-37.	3.3	107

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37	Antioxidant Sensors Based on DNA-Modified Electrodes. Analytical Chemistry, 2005, 77, 7687-7694.	3.2	106
38	Voltammetric determination of extreme standard Gibbs ion transfer energy. Journal of Electroanalytical Chemistry, 2010, 644, 60-66.	1.9	106
39	Renewable hydrogen generation from a dual-circuit redox flow battery. Energy and Environmental Science, 2014, 7, 2350-2358.	15.6	102
40	Micropatterning of Biomolecules on Polymer Substrates. Langmuir, 1998, 14, 5526-5531.	1.6	100
41	Phosphorylation of Î±-Synuclein at Y125 and S129 Alters Its Metal Binding Properties: Implications for Understanding the Role of Î±-Synuclein in the Pathogenesis of Parkinsonâ€™s Disease and Related Disorders. ACS Chemical Neuroscience, 2011, 2, 667-675.	1.7	97
42	Ion amperometry at the interface between two immiscible electrolyte solutions in view of realizing the amperometric ion-selective electrode. Talanta, 2004, 63, 21-32.	2.9	96
43	Polymer microchips bonded by O2-plasma activation. Electrophoresis, 2002, 23, 782-790.	1.3	95
44	Microfabricated polymer injector for direct mass spectrometry coupling. Proteomics, 2002, 2, 405.	1.3	92
45	Drop image processing for surface and interfacial tension measurements. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1982, 137, 207-217.	0.3	91
46	Structure-Lipophilicity Relationships of Neutral and ProtonatedÎ²-Blockers, Part I, Intra- and Intermolecular Effects in Isotropic Solvent Systems. Helvetica Chimica Acta, 1999, 82, 1211-1222.	1.0	91
47	Fast Ionâ€Transfer Processes at Nanoscopic Liquid/Liquid Interfaces. Angewandte Chemie - International Edition, 2009, 48, 8010-8013.	7.2	91
48	Electrophoresis with electrochemical detection in a polymer microdevice. Journal of Electroanalytical Chemistry, 2000, 492, 15-22.	1.9	89
49	On-chip protein sample desalting and preparation for direct coupling with electrospray ionization mass spectrometry. Journal of Chromatography A, 2003, 1003, 11-19.	1.8	89
50	Polymer Microspray with an Integrated Thick-Film Microelectrode. Analytical Chemistry, 2001, 73, 5353-5357.	3.2	88
51	Specific On-Plate Enrichment of Phosphorylated Peptides for Direct MALDI-TOF MS Analysis. Journal of Proteome Research, 2007, 6, 4763-4769.	1.8	88
52	Lipophilicity and Solvation of Anionic Drugs. Chemistry - A European Journal, 2002, 8, 3478.	1.7	87
53	Self-Assembled Molecular Rafts at Liquid|Liquid Interfaces for Four-Electron Oxygen Reduction. Journal of the American Chemical Society, 2012, 134, 498-506.	6.6	87
54	Non-Precious Electrodes for Practical Alkaline Water Electrolysis. Materials, 2019, 12, 1336.	1.3	87

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55	SECM for imaging and detection of latent fingerprints. Analyst, The, 2009, 134, 25-30.	1.7	86
56	Standard partition coefficients of anionic drugs in the n-octanol/water system determined by voltammetry at three-phase electrodes. Physical Chemistry Chemical Physics, 2003, 5, 3748-3751.	1.3	85
57	Aqueous organic and redox-mediated redox flow batteries: a review. Current Opinion in Electrochemistry, 2020, 21, 7-13.	2.5	85
58	Kinetics of the transfer of acetylcholine across the water + sucrose/ 1,2-dichloroethane interface. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 282, 59-72.	0.3	84
59	Investigation of the kinetics of ion and assisted ion transfer by the technique of ac impedance of the micro-ities. Electrochimica Acta, 1995, 40, 2961-2969.	2.6	84
60	H₂O₂ Generation by Decamethylferrocene at a Liquid|Liquid Interface. Angewandte Chemie - International Edition, 2008, 47, 4675-4678.	7.2	84
61	Hydrogen evolution catalyzed by electrodeposited nanoparticles at the liquid/liquid interface. Chemical Communications, 2011, 47, 5548-5550.	2.2	84
62	Theory of the kinetics of ion transfer across liquid/liquid interfaces. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 195, 213-227.	0.3	82
63	Facilitated ion transfer reactions across oil|water interfaces. Part I. Algebraic development and calculation of cyclic voltammetry experiments for successive complex formation. Journal of Electroanalytical Chemistry, 1998, 449, 49-65.	1.9	82
64	Amperometric Ion Detector for Ion Chromatography. Analytical Chemistry, 1998, 70, 4280-4285.	3.2	82
65	Molecular electrocatalysis at soft interfaces. Physical Chemistry Chemical Physics, 2010, 12, 15163.	1.3	82
66	Scan-Rate-Dependent Ion Current Rectification and Rectification Inversion in Charged Conical Nanopores. Journal of the American Chemical Society, 2011, 133, 14496-14499.	6.6	82
67	Photoinduced Electron Transfer at Liquid/Liquid Interfaces. 1. Photocurrent Measurements Associated with Heterogeneous Quenching of Zinc Porphyrins. Journal of Physical Chemistry B, 1998, 102, 10334-10341.	1.2	80
68	Oxygen Reduction Catalyzed by a Fluorinated Tetraphenylporphyrin Free Base at Liquid/Liquid Interfaces. Journal of the American Chemical Society, 2010, 132, 13733-13741.	6.6	80
69	Charge and Delocalisation Effects on the Lipophilicity of Protonable Drugs. Chemistry - A European Journal, 1999, 5, 39-47.	1.7	78
70	Surface plasmon enhanced non-linear optical response of gold nanoparticles at the air/toluene interface. Chemical Communications, 1997, , 1901.	2.2	77
71	Amperometric ion sensors based on laser-patterned composite polymer membranes. Journal of Electroanalytical Chemistry, 1997, 440, 73-82.	1.9	77
72	Spectroelectrochemical approaches to heterogeneous electron transfer reactions at the polarised water âˆ£ 1,2-dichloroethane interfaces. Journal of Electroanalytical Chemistry, 1998, 458, 139-148.	1.9	77

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73	Plasma etched polymer microelectrochemical systems. Lab on A Chip, 2002, 2, 145.	3.1	77
74	Electrochemical and theoretical aspects of electrospray ionisation. Physical Chemistry Chemical Physics, 2004, 6, 3056.	1.3	77
75	Hydrogen Evolution at Liquidâ€“Liquid Interfaces. Angewandte Chemie - International Edition, 2009, 48, 5139-5142.	7.2	77
76	Voltammetry at microITIES supported at the tip of a micropipette. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 296, 491-515.	0.3	76
77	Hydrogen evolution at polarised liquid/liquid interfaces catalyzed by molybdenum disulfide. Energy and Environmental Science, 2011, 4, 4246.	15.6	76
78	Voltammetry at a liquidâ€“liquid interface supported on a metallic electrode. Electrochemistry Communications, 2001, 3, 219-223.	2.3	75
79	Photoinduced Electron Transfer at Liquid/Liquid Interfaces. Part VI. On the Thermodynamic Driving Force Dependence of the Phenomenological Electron-Transfer Rate Constant. Journal of Physical Chemistry B, 2002, 106, 3428-3433.	1.2	75
80	Studies of Ionic Current Rectification Using Polyethyleneimines Coated Glass Nanopipettes. Analytical Chemistry, 2012, 84, 5565-5573.	3.2	75
81	Floating conductive catalytic nano-rafts at soft interfaces for hydrogen evolution. Chemical Science, 2013, 4, 3432.	3.7	75
82	Intermolecular forces expressed in 1,2-dichloroethaneâ€“water partition coefficients. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 401-406.	1.7	74
83	Ion current rectification and rectification inversion in conical nanopores: a perm-selective view. Physical Chemistry Chemical Physics, 2011, 13, 5430.	1.3	74
84	In-Spray Supercharging of Peptides and Proteins in Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2012, 84, 4647-4651.	3.2	74
85	Interfacial Redox Catalysis on Gold Nanofilms at Soft Interfaces. ACS Nano, 2015, 9, 6565-6575.	7.3	74
86	Topography, Crystallinity and Wettability of Photoablated PET Surfaces. Langmuir, 1999, 15, 5173-5178.	1.6	73
87	Adsorption Behavior of Charged Zinc Porphyrins at the Water/1,2-Dichloroethane Interface Studied by Potential Modulated Fluorescence Spectroscopy. Journal of Physical Chemistry B, 2000, 104, 6869-6876.	1.2	73
88	A Comparison of the Solvation Properties of 2-Nitrophenyloctyl Ether, Nitrobenzene, andn-Octanol as Assessed by Ion Transfer Experiments. Journal of Physical Chemistry B, 2004, 108, 4565-4572.	1.2	73
89	Electrochemical imaging of cells and tissues. Chemical Science, 2018, 9, 4546-4554.	3.7	73
90	Thermodynamics of a polarised interface between two immiscible electrolyte solutions. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 170, 127-141.	0.3	72

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91	Micropipette as a tool for the determination of the ionic species limiting the potential window at liquid/liquid interfaces. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 305, 135-139.	0.3	72
92	Electrochemical detection of free chlorine at inkjet printed silver electrodes. Journal of Electroanalytical Chemistry, 2015, 756, 171-178.	1.9	72
93	A Phospho-Directed Macroporous Aluminaâ^'Silica Nanoreactor with Multi-Functions. ACS Nano, 2009, 3, 3656-3662.	7.3	70
94	Electrochemical As(III) whole-cell based biochip sensor. Biosensors and Bioelectronics, 2013, 47, 237-242.	5.3	69
95	MicroITIES Detection of Nitrate by Facilitated Ion Transfer. Analytical Chemistry, 2001, 73, 497-503.	3.2	68
96	Ultrafast chemical interface scattering as an additional decay channel for nascent nonthermal electrons in small metal nanoparticles. Journal of Chemical Physics, 2004, 120, 9302-9315.	1.2	68
97	Gold Nanoparticle Assembly Microfluidic Reactor for Efficient On-line Proteolysis. Molecular and Cellular Proteomics, 2007, 6, 1428-1436.	2.5	67
98	Onâ€Chip Spyhole Mass Spectrometry for Dropletâ€Based Microfluidics. Angewandte Chemie - International Edition, 2014, 53, 4408-4412.	7.2	67
99	Inkjetâ€Printed Mesoporous TiO₂ and Perovskite Layers for High Efficiency Perovskite Solar Cells. Energy Technology, 2019, 7, 317-324.	1.8	67
100	Electron transfer reactions at the interface between two immiscible electrolyte solutions. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 244, 15-26.	0.3	66
101	Mechanism of Transfer of a Basic Drug across the Water/1,2-Dichloroethane Interface: The case of quinidine. Helvetica Chimica Acta, 1996, 79, 101-117.	1.0	66
102	Amperometric detection of alkali metal ions on micro-fabricated composite polymer membranes. Journal of Electroanalytical Chemistry, 1998, 453, 211-219.	1.9	66
103	Combined molecular lipophilicity descriptors and their role in understanding intramolecular effects. Pharmaceutical Science & Technology Today, 1999, 2, 327-335.	0.7	65
104	Generalization of Ionic Partition Diagrams to Lipophilic Compounds and to Biphasic Systems with Variable Phase Volume Ratios. Journal of the American Chemical Society, 2001, 123, 10684-10690.	6.6	65
105	On-line electrochemical tagging of cysteines in proteins during nanospray. Electrochemistry Communications, 2002, 4, 695-700.	2.3	65
106	Magnetic forces produced by rectangular permanent magnets in static microsystems. Lab on A Chip, 2009, 9, 2356.	3.1	65
107	Monolithic and Flexible Polyimide Film Microreactors for Organic Microchemical Applications Fabricated by Laser Ablation. Angewandte Chemie - International Edition, 2010, 49, 7063-7067.	7.2	65
108	Electrochemistry at the interface between two immiscible electrolyte solutions. Electrochimica Acta, 1987, 32, 383-385.	2.6	64

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109	Characterization of Protein Adsorption and Immunosorption Kinetics in Photoablated Polymer Microchannels. Langmuir, 2000, 16, 8489-8494.	1.6	64
110	A Kinetic Model for Adsorption and Transfer of Ionic Species at Polarized Liquid|Liquid Interfaces as Studied by Potential Modulated Fluorescence Spectroscopy. Journal of Physical Chemistry B, 2001, 105, 9463-9473.	1.2	64
111	Electrostatic-Spray Ionization Mass Spectrometry. Analytical Chemistry, 2012, 84, 7422-7430.	3.2	64
112	Copper-Catalyzed Tyrosine Nitration. Journal of the American Chemical Society, 2011, 133, 19823-19831.	6.6	63
113	Sensitive and fast identification of bacteria in blood samples by immunoaffinity mass spectrometry for quick BSI diagnosis. Chemical Science, 2016, 7, 2987-2995.	3.7	63
114	Contact Potentials, Fermi Level Equilibration, and Surface Charging. Langmuir, 2016, 32, 5765-5775.	1.6	63
115	Solar photo-Fenton and UV/H 2 O 2 processes against the antidepressant Venlafaxine in urban wastewaters and human urine. Intermediates formation and biodegradability assessment. Chemical Engineering Journal, 2017, 308, 492-504.	6.6	63
116	Microfluidic Pushâ€“Pull Probe for Scanning Electrochemical Microscopy. Analytical Chemistry, 2011, 83, 5275-5282.	3.2	62
117	Photoinduced Electron Transfer at Liquid/Liquid Interfaces. Part III. Photoelectrochemical Responses Involving Porphyrin Ion Pairs. Journal of the American Chemical Society, 1999, 121, 10203-10210.	6.6	61
118	Proton Pump for O₂ Reduction Catalyzed by 5,10,15,20â€Tetraphenylporphyrinatocobalt(II). Chemistry - A European Journal, 2009, 15, 2335-2340.	1.7	61
119	Printed microelectrode array and amperometric sensor for environmental monitoring. Electrochimica Acta, 1994, 39, 2377-2386.	2.6	60
120	Seeing Big with Scanning Electrochemical Microscopy. Analytical Chemistry, 2011, 83, 1493-1499.	3.2	60
121	Redox Solid Energy Boosters for Flow Batteries: Polyaniline as a Case Study. Electrochimica Acta, 2017, 235, 664-671.	2.6	60
122	Oxygen and proton reduction by decamethylferrocene in non-aqueous acidic media. Chemical Communications, 2010, 46, 2918.	2.2	59
123	Interfacial Photoreduction of Supercritical CO₂ by an Aqueous Catalyst. Angewandte Chemie - International Edition, 2011, 50, 7391-7394.	7.2	59
124	Advances in the Sensing and Treatment of Wound Biofilms. Angewandte Chemie - International Edition, 2022, 61, .	7.2	59
125	Effects of Charge and Intramolecular Structure on the Lipophilicity of Nitrophenols. Journal of the American Chemical Society, 1999, 121, 1743-1747.	6.6	58
126	Thin-Chip Microspray System for High-Performance Fourier-Transform Ion-Cyclotron Resonance Mass Spectrometry of Biopolymers. Angewandte Chemie - International Edition, 2003, 42, 53-58.	7.2	58

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127	Efficiency improvement of an all-vanadium redox flow battery by harvesting low-grade heat. Journal of Power Sources, 2018, 390, 30-37.	4.0	58
128	Selective structure changes of coreâ€“shell goldâ€“silver nanoparticles by laser irradiation: homogeneisation vs. silver removal. Chemical Communications, 2001, , 829-830.	2.2	57
129	Size-selective separation of gold nanoparticles using isoelectric focusing electrophoresis (IEF). Chemical Communications, 2005, , 787.	2.2	57
130	Monitoring Tyrosinase Expression in Nonâ€metastatic and Metastatic Melanoma Tissues by Scanning Electrochemical Microscopy. Angewandte Chemie - International Edition, 2016, 55, 3813-3816.	7.2	57
131	Chip electrospray mass spectrometry for carbohydrate analysis. Electrophoresis, 2005, 26, 3650-3673.	1.3	56
132	Four-Electron Oxygen Reduction by Tetrathiafulvalene. Journal of the American Chemical Society, 2011, 133, 12115-12123.	6.6	56
133	Electrochemical extraction of heavy metal ions assisted by cyclic thioether ligands. Journal of Electroanalytical Chemistry, 1998, 451, 29-37.	1.9	55
134	Simulation of the chronoamperometric response of a regular array of micro-disc electrodes. Journal of Electroanalytical Chemistry, 2000, 486, 56-64.	1.9	55
135	Gold Metal Liquid-Like Droplets. ACS Nano, 2014, 8, 9471-9481.	7.3	55
136	Electroosmotic Flow in Composite Microchannels and Implications in Microcapillary Electrophoresis Systems. Analytical Chemistry, 2001, 73, 829-836.	3.2	54
137	Cyclic voltammetry of highly hydrophilic ions at a supported liquid membrane. Journal of Electroanalytical Chemistry, 2002, 530, 10-15.	1.9	54
138	Adsorption and Aggregation of meso-Tetrakis(4-carboxyphenyl)porphyrinato Zinc(II) at the Polarized Water|1,2-Dichloroethane Interface. Journal of Physical Chemistry B, 2003, 107, 786-790.	1.2	54
139	Proteolysis in microfluidic droplets: an approach to interface protein separation and peptide mass spectrometry. Lab on A Chip, 2012, 12, 2625.	3.1	54
140	Fingerprint imaging by scanning electrochemical microscopy. Electrochemistry Communications, 2007, 9, 1778-1782.	2.3	53
141	Soft Stylus Probes for Scanning Electrochemical Microscopy. Analytical Chemistry, 2009, 81, 6889-6896.	3.2	53
142	Electrochemical characterisation of liquid|liquid microinterface arrays. Journal of Electroanalytical Chemistry, 1997, 436, 53-64.	1.9	52
143	Assembly-Controlled Biocompatible Interface on a Microchip: Strategy to Highly Efficient Proteolysis. Chemistry - A European Journal, 2006, 12, 6585-6591.	1.7	52
144	The role of copper in cysteine oxidation: study of intra- and inter-molecular reactions in mass spectrometry. Metallomics, 2009, 1, 157-165.	1.0	52

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145	Parallel Imaging and Templateâ€Free Patterning of Selfâ€Assembled Monolayers with Soft Linear Microelectrode Arrays. Angewandte Chemie - International Edition, 2012, 51, 10413-10416.	7.2	52
146	Thermally regenerative copper nanoslurry flow batteries for heat-to-power conversion with low-grade thermal energy. Energy and Environmental Science, 2020, 13, 2191-2199.	15.6	51
147	Photonic Flash Synthesis of Mo₂C/Graphene Electrocatalyst for the Hydrogen Evolution Reaction. ACS Catalysis, 2021, 11, 5865-5872.	5.5	51
148	Generation of mass tags by the inherent electrochemistry of electrospray for protein mass spectrometry. Journal of the American Society for Mass Spectrometry, 2004, 15, 1767-1779.	1.2	50
149	Antioxidant Redox Sensors Based on DNA Modified Carbon Screen-Printed Electrodes. Analytical Chemistry, 2006, 78, 6879-6884.	3.2	50
150	SECM imaging of MMD-enhanced latent fingermarks. Chemical Communications, 2007, , 3948.	2.2	50
151	Electrochemical Pushâ€“Pull Scanner with Mass Spectrometry Detection. Analytical Chemistry, 2012, 84, 6630-6637.	3.2	50
152	Organization and Reactivity of Nanoparticles at Molecular Interfaces. Part I. Photoelectrochemical Responses Involving TiO2 Nanoparticles Assembled at Polarizable Water | 1,2-Dichloroethane Junctions. Journal of Physical Chemistry B, 2002, 106, 10908-10914.	1.2	49
153	Surface Second Harmonic Generation of Cationic Water-Soluble Porphyrins at the Polarized Water | 1,2-Dichloroethane Interface. Langmuir, 2002, 18, 6647-6652.	1.6	49
154	Gold Nanofilm Redox Catalysis for Oxygen Reduction at Soft Interfaces. Electrochimica Acta, 2016, 197, 362-373.	2.6	49
155	Finite element simulation of ion transfer reactions at a single micro-liquidâˆ£liquid interface supported on a thin polymer film. Journal of Electroanalytical Chemistry, 1999, 468, 42-52.	1.9	48
156	Study of Electron-Transfer Reactions across an Externally Polarized Water/1,2-Dichloroethane Interface by Scanning Electrochemical Microscopy. Journal of Physical Chemistry B, 2002, 106, 6713-6717.	1.2	48
157	Large scale inkjet-printing of carbon nanotubes electrodes for antioxidant assays in blood bags. Journal of Electroanalytical Chemistry, 2014, 717-718, 61-68.	1.9	48
158	Resonant-surface second-harmonic generation studies of phenol derivatives at air/water and hexane/water interfaces. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 3079-3085.	1.7	47
159	Size dependence of the surface plasmon enhanced second harmonic response of gold colloids: towards a new calibration method. Chemical Communications, 1999, , 581-582.	2.2	47
160	Photoinduced Electron Transfer at Liquid | Liquid Interfaces. Part IV. Orientation and Reactivity of Zinc Tetra(4-carboxyphenyl) Porphyrin Self-Assembled at the Water | 1,2-Dichloroethane Junction. Journal of the American Chemical Society, 2000, 122, 10943-10948.	6.6	47
161	Kinetics of Proteolytic Reactions in Nanoporous Materials. Journal of Proteome Research, 2009, 8, 4685-4692.	1.8	47
162	Interfacial Complexes between a Protein and Lipophilic Ions at an Oilâˆ’Water Interface. Analytical Chemistry, 2010, 82, 7699-7705.	3.2	47

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163	Magnetic Beads Based Immunoaffinity Capillary Electrophoresis of Total Serum IgE with Laser-Induced Fluorescence Detection. Analytical Chemistry, 2008, 80, 9583-9588.	3.2	46
164	TiO₂ Printed Aluminum Foil: Single-Use Film for a Laser Desorption/Ionization Target Plate. Analytical Chemistry, 2009, 81, 1177-1183.	3.2	46
165	Photoreduction of CO₂ Using [Ru(bpy)₂(CO)L]ⁿ⁺ Catalysts in Biphasic Solution/Supercritical CO₂ Systems. Inorganic Chemistry, 2013, 52, 10949-10957.	1.9	46
166	Redox Electrocatalysis of Floating Nanoparticles: Determining Electrocatalytic Properties without the Influence of Solid Supports. Journal of Physical Chemistry Letters, 2017, 8, 3564-3575.	2.1	46
167	Inkjet-Printed Carbon Nanotube Electrodes for Measuring Pyocyanin and Uric Acid in a Wound Fluid Simulant and Culture Media. Analytical Chemistry, 2019, 91, 8835-8844.	3.2	46
168	Digital simulation of charge transfer to an ultramicrodisc interface. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 293, 19-44.	0.3	45
169	Mechanism and dynamics of methyl and ethyl orange transfer across the water/1,2-dichloroethane interface. Electrochimica Acta, 1998, 44, 3-13.	2.6	45
170	Polycarbonate microchannel network with carpet of Gold NanoWires as SERS-active device. Lab on A Chip, 2009, 9, 1806.	3.1	45
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