Frank Marken

List of Publications by Year
in descending order

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552 papers	17,836 citations	18436 62 h-index	32761 100 g-index
582 all docs	582 docs citations	582 times ranked	15110 citing authors

#	Article	IF	Citations
1	Exploiting the Reversible Covalent Bonding of Boronic Acids: Recognition, Sensing, and Assembly. Accounts of Chemical Research, 2013, 46, 312-326.	7.6	559
2	Water-induced accelerated ion diffusion: voltammetric studies in 1-methyl-3-[2,6-(S)-dimethylocten-2-yl]imidazolium tetrafluoroborate, 1-butyl-3-methylimidazolium tetrafluoroborate and hexafluorophosphate ionic liquids. New Journal of Chemistry, 2000, 24, 1009-1015.	1.4	513
3	Electroanalysis at Diamond-Like and Doped-Diamond Electrodes. Electroanalysis, 2003, 15, 1349-1363.	1.5	331
4	Sonoelectrochemical processes: A review. Electroanalysis, 1997, 9, 509-522.	1.5	262
5	Non-invasive, transdermal, path-selective and specific glucose monitoring via a graphene-based platform. Nature Nanotechnology, 2018, 13, 504-511.	15.6	242
6	Nanoparticles in electrochemical sensors for environmental monitoring. TrAC - Trends in Analytical Chemistry, 2011, 30, 1704-1715.	5.8	231
7	Kinetics and mechanism of light-driven oxygen evolution at thin film Î±-Fe2O3 electrodes. Chemical Communications, 2012, 48, 2027.	2.2	207
8	Electrochemical Analysis of Solids. A Review. Collection of Czechoslovak Chemical Communications, 2002, 67, 163-208.	1.0	200
9	Carbon-based quantum particles: an electroanalytical and biomedical perspective. Chemical Society Reviews, 2019, 48, 4281-4316.	18.7	187
10	Electrochemistry of immobilised redox droplets: Concepts and applications. Physical Chemistry Chemical Physics, 2003, 5, 4053.	1.3	179
11	Plasmon Resonance Scattering Spectroscopy at the Singleâ€Nanoparticle Level: Realâ€Time Monitoring of a Click Reaction. Angewandte Chemie - International Edition, 2013, 52, 6011-6014.	7.2	178
12	Redox processes in microdroplets studied by voltammetry, microscopy and ESR spectroscopy: oxidation ofN,N,Nâ€²,Nâ€²-tetrahexylphenylene diamine deposited on solid electrode surfaces and immersed in aqueous electrolyte solution. Journal of Electroanalytical Chemistry, 1997, 437, 209-218.	1.9	174
13	Electrochemical Study of Microcrystalline Solid Prussian Blue Particles Mechanically Attached to Graphite and Gold Electrodes: Electrochemically Induced Lattice Reconstruction. The Journal of Physical Chemistry, 1995, 99, 2096-2103.	2.9	164
14	New bis(triazinyl) pyridines for selective extraction of americium(iii). New Journal of Chemistry, 2006, 30, 1171.	1.4	162
15	New Insights into Water Splitting at Mesoporous Î±-Fe₂O₃ Films: A Study by Modulated Transmittance and Impedance Spectroscopies. Journal of the American Chemical Society, 2012, 134, 1228-1234.	6.6	162
16	Towards paired and coupled electrode reactions for clean organic microreactor electrosyntheses. Journal of Applied Electrochemistry, 2006, 36, 617-634.	1.5	161
17	An ionic liquid as a solvent for headspace single drop microextraction of chlorobenzenes from water samples. Analytica Chimica Acta, 2007, 584, 189-195.	2.6	161
18	Electrochemically induced surface modifications of boron-doped diamond electrodes: an X-ray photoelectron spectroscopy study. Diamond and Related Materials, 2000, 9, 390-396.	1.8	154

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19	Dual activation: coupling ultrasound to electrochemistryâ€"an overview. Electrochimica Acta, 1997, 42, 2919-2927.	2.6	145
20	Allâ€Polystyrene 3Dâ€Printed Electrochemical Device with Embedded Carbon Nanofiberâ€Graphiteâ€Polystyrene Composite Conductor. Electroanalysis, 2016, 28, 1517-1523.	1.5	141
21	Ionic liquid modified electrodes. Unusual partitioning and diffusion effects of Fe(CN)64â˜/3â˜ in droplet and thin layer deposits of 1-methyl-3-(2,6-(S)-dimethylocten-2-yl)-imidazolium tetrafluoroborate. Journal of Electroanalytical Chemistry, 2000, 493, 75-83.	1.9	126
22	Conformal transformation of [Co(bdc)(DMF)] (Co-MOF-71, bdc = 1,4-benzenedicarboxylate, DMF =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Communications, 2013, 27, 9-13.	2.3	121
23	Accumulation and Reactivity of the Redox Protein Cytochromecin Mesoporous Films of TiO2Phytate. Langmuir, 2003, 19, 4327-4331.	1.6	116
24	Voltammetry in the presence of ultrasound: the limit of acoustic streaming induced diffusion layer thinning and the effect of solvent viscosity. Journal of Electroanalytical Chemistry, 1996, 415, 55-63.	1.9	114
25	The electrochemical reduction of indigo dissolved in organic solvents and as a solid mechanically attached to a basal plane pyrolytic graphite electrode immersed in aqueous electrolyte solution. Journal of the Chemical Society Perkin Transactions II, 1997, , 1735-1742.	0.9	112
26	Electrochemical and X-ray diffraction study of the redox cycling of nanocrystals of 7,7,8,8-tetracyanoquinodimethane. Observation of a solidâ€"solid phase transformation controlled by nucleation and growth. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 3925-3933.	1.7	108
27	Voltammetry in the presence of ultrasound: Can ultrasound modify heterogeneous electron transfer kinetics?. Journal of Electroanalytical Chemistry, 1995, 395, 335-339.	1.9	106
28	Self-Supported and Clean One-Step Cathodic Coupling of Activated Olefins with Benzyl Bromide Derivatives in a Micro Flow Reactor. Angewandte Chemie - International Edition, 2006, 45, 4146-4149.	7.2	100
29	Electrocatalytic activity of BasoliteTM F300 metal-organic-framework structures. Electrochemistry Communications, 2010, 12, 632-635.	2.3	99
30	Generator-collector double electrode systems: A review. Analyst, The, 2012, 137, 1068.	1.7	98
31	Mechanistic aspects of the electron and ion transport processes across the electrode | solid | solvent (electrolyte) interface of microcrystalline decamethylferrocene attached mechanically to a graphite electrode. Journal of Electroanalytical Chemistry, 1994, 372, 125-135.	1.9	97
32	Self-supported paired electrosynthesis of 2,5-dimethoxy-2,5-dihydrofuran using a thin layer flow cell without intentionally added supporting electrolyte. Electrochemistry Communications, 2005, 7, 35-39.	2.3	97
33	Novel hierarchical structure of MoS2/TiO2/Ti3C2Tx composites for dramatically enhanced electromagnetic absorbing properties. Journal of Advanced Ceramics, 2021, 10, 1042-1051.	8.9	96
34	Simultaneous Electrochemical Detection and Determination of Lead and Copper at Boron-Doped Diamond Film Electrodes. Electroanalysis, 2002, 14, 262-272.	1.5	93
35	Paired electrosynthesis: micro-flow cell processes with and without added electrolyte. Electrochemistry Communications, 2002, 4, 825-831.	2.3	93
36	Manganese Binding to the Prion Protein. Journal of Biological Chemistry, 2008, 283, 12831-12839.	1.6	90

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37	A novel cation-binding TiO2 nanotube substrate for electro- and bioelectro-catalysis. Electrochemistry Communications, 2005, 7, 1050-1058.	2.3	89
38	Electrochemical analysis of nucleic acids at boron-doped diamond electrodes. Analyst, The, 2002, 127, 329-332.	1.7	82
39	Metastable Ionic Diodes Derived from an Amineâ€Based Polymer of Intrinsic Microporosity. Angewandte Chemie - International Edition, 2014, 53, 10751-10754.	7.2	81
40	An ambient aqueous synthesis for highly dispersed and active Pd/C catalyst for formic acid electro-oxidation. Journal of Power Sources, 2010, 195, 7246-7249.	4.0	80
41	Sono-Cathodic Stripping Voltammetry of Lead at a Polished Boron-Doped Diamond Electrode: Application to the Determination of Lead in River Sediment. Electroanalysis, 1999, 11, 1083-1088.	1.5	79
42	Electrochemical sensing using boronic acids. Chemical Communications, 2015, 51, 14562-14573.	2.2	79
43	Direct cytochrome c electrochemistry at boron-doped diamond electrodes. Electrochemistry Communications, 2002, 4, 62-66.	2.3	77
44	Reviewâ€"The Development of Wearable Polymer-Based Sensors: Perspectives. Journal of the Electrochemical Society, 2020, 167, 037566.	1.3	76
45	Triple-decker complexes. 9. Triple-decker complexes with bridging cyclopentadienyl ligands and novel cyclopentadienyl transfer reactions. Organometallics, 1993, 12, 4039-4045.	1.1	75
46	The thermoelectrochemistry of the aqueous iron(<scp>ii</scp>)/iron(<scp>iii</scp>) redox couple: significance of the anion and pH in thermogalvanic thermal-to-electrical energy conversion. Sustainable Energy and Fuels, 2018, 2, 2717-2726.	2.5	75
47	Directed assembly of multilayersâ€"the case of Prussian Blue. Chemical Communications, 2001, , 1994-1995.	2.2	74
48	Electrostatic accumulation and determination of triclosan in ultrathin carbon nanoparticle composite film electrodes. Analytica Chimica Acta, 2007, 593, 117-122.	2.6	72
49	Voltammetry, electron microscopy, and x-ray electron probe microanalysis at the electrode-aqueous electrolyte interface of solid microcrystalline cis- and trans-Cr(CO)2(dpe)2 and trans-[Cr(CO)2(dpe)2]+ complexes (dpe = Ph2PCH2CH2PPh2) mechanically attached to carbon electrodes. Journal of the American Chemical Society, 1993, 115, 9556-9562.	6.6	70
50	Electrochemistry at boron-doped diamond films grown on graphite substrates: redox-, adsorption and deposition processes. Journal of Electroanalytical Chemistry, 1998, 442, 207-216.	1.9	69
51	Electrochemically Driven Ion Insertion Processes across Liquid|Liquid Boundaries:â€‰ Neutral versus Ionic Redox Liquids. Journal of Physical Chemistry B, 2001, 105, 1344-1350.	1.2	68
52	Arsenite Determination in Phosphate Media at Electroaggregated Gold Nanoparticle Deposits. Electroanalysis, 2008, 20, 1286-1292.	1.5	68
53	Microwave Activation of Electrochemical Processes:Â Enhanced Electrodehalogenation in Organic Solvent Media. Journal of the American Chemical Society, 2002, 124, 9784-9788.	6.6	67
54	Large-Amplitude Fourier Transformed High-Harmonic Alternating Current Cyclic Voltammetry:Â Kinetic Discrimination of Interfering Faradaic Processes at Glassy Carbon and at Boron-Doped Diamond Electrodes. Analytical Chemistry, 2004, 76, 3619-3629.	3.2	67

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55	Ultrathin Carbon Nanoparticle Composite Film Electrodes: Distinguishing Dopamine and Ascorbate. Electroanalysis, 2007, 19, 1032-1038.	1.5	67
56	Anion Detection by Electro-Insertion intoN,N,Nâ€², Nâ€²-Tetrahexyl-Phenylenediamine (THPD) Microdroplets Studied by Voltammetry, EQCM, and SEM Techniques. Electroanalysis, 1998, 10, 821-826.	1.5	66
57	Voltammetry at carbon nanofiber electrodes. Electrochemistry Communications, 2001, 3, 177-180.	2.3	66
58	Hydrophilic carbon nanoparticle-laccase thin film electrode for mediatorless dioxygen reduction. Electrochimica Acta, 2009, 54, 4620-4625.	2.6	66
59	The Synucleins Are a Family of Redox-Active Copper Binding Proteins. Biochemistry, 2011, 50, 37-47.	1.2	66
60	Sonoelectrochemical and sonochemical effects of cavitation: correlation with interfacial cavitation induced by 20 kHz ultrasound. Ultrasonics Sonochemistry, 2000, 7, 7-14.	3.8	65
61	Electrocatalytic oxidation of nitric oxide at TiO2â€“Au nanocomposite film electrodes. Electrochemistry Communications, 2007, 9, 436-442.	2.3	64
62	Chemically surface-modified carbon nanoparticle carrier for phenolic pollutants: Extraction and electrochemical determination of benzophenone-3 and triclosan. Analytica Chimica Acta, 2008, 616, 28-35.	2.6	64
63	Microwave activation of electrochemical processes at microelectrodes. Chemical Communications, 1998, , 2595-2596.	2.2	63
64	Direct electrochemistry of nanoparticulate Fe2O3 in aqueous solution and adsorbed onto tin-doped indium oxide. Pure and Applied Chemistry, 2001, 73, 1885-1894.	0.9	63
65	Ferrocene-Decorated Nanocrystalline Cellulose with Charge Carrier Mobility. Langmuir, 2012, 28, 6514-6519.	1.6	63
66	Evidence for Nucleation-Growth, Redistribution, and Dissolution Mechanisms during the Course of Redox Cycling Experiments on the C60/NBu4C60Solid-State Redox System:Â Voltammetric, SEM, and in Situ AFM Studies. Journal of Physical Chemistry B, 1999, 103, 5637-5644.	1.2	62
67	Chemistry of polynuclear metal complexes with bridging carbene or carbyne ligands. Part 79. Synthesis and reactions of the alkylidynemetal complexes [M(î€‡CR)(CO)2(Î·-C5H5)](R = C6H3Me2-2,6, M = Cr,) Tj ETQq1 1 0.784314 r [MoFe(Âµ-CC6H3Me2-2,6)(CO)5(Î·-C5H5)]. Journal of the Chemical Society Dalton Transactions, 1988, , 2453-2465.	1.1	61
68	Enantioselective Organocatalytic Epoxidation Driven by Electrochemically Generated Percarbonate and Persulfate. Advanced Synthesis and Catalysis, 2008, 350, 1149-1154.	2.1	61
69	The Development of Boronic Acids as Sensors and Separation Tools. Chemical Record, 2012, 12, 464-478.	2.9	61
70	Voltammetry of Electroactive Oil Droplets. Part II: Comparison of Experimental and Simulation Data for Coupled Ion and Electron Insertion Processes and Evidence for Microscale Convection. Electroanalysis, 2000, 12, 1017-1025.	1.5	60
71	Microwave-Enhanced Anodic Stripping Detection of Lead in a River Sediment Sample. A Mercury-Free Procedure Employing a Boron-Doped Diamond Electrode. Electroanalysis, 2001, 13, 831-835.	1.5	60
72	Electroanalytical thin film electrodes based on a Nafion? ? multi-walled carbon nanotube composite. Electrochemistry Communications, 2004, 6, 917-922.	2.3	60

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73	Assembly of N-hexadecyl-pyridinium-4-boronic acid hexafluorophosphate monolayer films with catechol sensing selectivity. Journal of Materials Chemistry, 2010, 20, 8305.	6.7	60
74	Sono-electroanalysis: Application to the detection of lead in wine. Electrochimica Acta, 1998, 43, 3443-3449.	2.6	57
75	Probing Thermodynamic Aspects of Electrochemically Driven Ion-Transfer Processes Across Liquid	Liquid Interfaces:â€‰ Pure versus Diluted Redox Liquids. Journal of Physical Chemistry B, 2002, 106, 8697-8704.	1.2	57
76	Comparison of three optimized digestion methods for rapid determination of chemical oxygen demand: Closed microwaves, open microwaves and ultrasound irradiation. Analytica Chimica Acta, 2006, 561, 210-217.	2.6	57
77	Metalâ€“organic frameworks post-synthetically modified with ferrocenyl groups: framework effects on redox processes and surface conduction. Dalton Transactions, 2012, 41, 1475-1480.	1.6	57
78	Emulsion electrosynthesis in the presence of power ultrasound Biphasic Kolbe coupling processes at platinum and boron-doped diamond electrodes. Journal of Electroanalytical Chemistry, 2001, 507, 135-143.	1.9	56
79	Self-Supported Methoxylation and Acetoxylation Electrosynthesis Using a Simple Thin-Layer Flow Cell. Journal of the Electrochemical Society, 2006, 153, D143.	1.3	56
80	Thin-Film Modified Electrodes with Reconstituted Celluloseâ^'PDDAC Films for the Accumulation and Detection of Triclosan. Journal of Physical Chemistry C, 2008, 112, 2660-2666.	1.5	56
81	Electrolyte free electro-organic synthesis: The cathodic dimerisation of 4-nitrobenzylbromide in a micro-gap flow cell. Electrochemistry Communications, 2005, 7, 918-924.	2.3	55
82	Aerosolâ€Assisted CVD of Bismuth Vanadate Thin Films and Their Photoelectrochemical Properties. Chemical Vapor Deposition, 2015, 21, 41-45.	1.4	55
83	A redox-activated fluorescence switch based on a ferroceneâ€“fluorophoreâ€“boronic ester conjugate. Chemical Communications, 2015, 51, 1293-1296.	2.2	55
84	Redox and electroinsertion processes associated with the voltammetry of microcrystalline forms of Dawson molybdate anion salts mechanically attached to graphite electrodes and immersed in aqueous electrolyte media. Journal of Electroanalytical Chemistry, 1995, 396, 407-418.	1.9	54
85	Electrochemical and sonoelectrochemical monitoring of indigo reduction by glucose. Dyes and Pigments, 2008, 76, 542-549.	2.0	54
86	Water desalination concept using an ionic rectifier based on a polymer of intrinsic microporosity (PIM). Journal of Materials Chemistry A, 2015, 3, 15849-15853.	5.2	54
87	The use of ultrasound in the enhancement of the deposition and detection of metals in anodic stripping voltammetry. Electroanalysis, 1997, 9, 19-22.	1.5	53
88	Enhanced chemical reversibility of redox processes in cyanine dye rotaxanes. Chemical Communications, 2001, , 1046-1047.	2.2	53
89	Thermodynamic and Voltammetric Characterization of the Metal Binding to the Prion Protein: Insights into pH Dependence and Redox Chemistry. Biochemistry, 2009, 48, 2610-2619.	1.2	53
90	Microwave activation of electrochemical processes: convection, thermal gradients and hot spot formation at the electrodeâ^£solution interface. New Journal of Chemistry, 2000, 24, 653-658.	1.4	52

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91	Nanoporous iron oxide membranes: layer-by-layer deposition and electrochemical characterisation of processes within nanopores. New Journal of Chemistry, 2002, 26, 625-629.	1.4	50
92	Pyro-electrolytic water splitting for hydrogen generation. Nano Energy, 2019, 58, 183-191.	8.2	50
93	The direct electrochemistry of ferritin compared with the direct electrochemistry of nanoparticulate hydrous ferric oxide. New Journal of Chemistry, 2002, 26, 259-263.	1.4	49
94	Phosphate and arsenate electro-insertion processes into a N,N,Nâ€²,Nâ€²-tetraoctylphenylenediamine redox liquid. Electrochemistry Communications, 2002, 4, 462-467.	2.3	49
95	Hemoglobin adsorption into TiO2 phytate multi-layer films: particle size and conductivity effects. Electrochemistry Communications, 2004, 6, 1249-1253.	2.3	49
96	Metal@MOF Materials in Electroanalysis: Silver-Enhanced Oxidation Reactivity Towards Nitrophenols Adsorbed into a Zinc Metal Organic Frameworkâ€”Ag@MOF-5(Zn). Electrochimica Acta, 2016, 219, 482-491.	2.6	49
97	Biphasic sonoelectrosynthesis. A review. Pure and Applied Chemistry, 2001, 73, 1947-1955.	0.9	48
98	Voltammetric analysis of iron oxide pigments. Analyst, The, 2002, 127, 1100-1107.	1.7	47
99	Synthesis, structure, and redox states of homoleptic d-block metal complexes with bis-1,2,4-triazin-3-yl-pyridine and 1,2,4-triazin-3-yl-bipyridine extractants. Polyhedron, 2006, 25, 888-900.	1.0	47
100	Detection of new features associated with the oxidation of microcrystalline tetrathiafulvalene attached to gold electrodes by the simultaneous application of electrochemical and quartz crystal microbalance techniques. Electroanalysis, 1996, 8, 732-741.	1.5	46
101	Electrochemistry in the presence of ultrasound: the need for bipotentiostatic control in sonovoltammetric experiments. Ultrasonics Sonochemistry, 1996, 3, S131-S134.	3.8	46
102	Sonoelectrochemically modified electrodes: ultrasound assisted electrode cleaning, conditioning, and product trapping in 1-octanol/water emulsion systems. Electrochimica Acta, 1998, 43, 2157-2165.	2.6	46
103	Methylene Green Voltammetry in Aqueous Solution:â€‰ Studies Using Thermal, Microwave, Laser, or Ultrasonic Activation at Platinum Electrodes. Journal of Physical Chemistry B, 1999, 103, 9987-9995.	1.2	46
104	Thermal activation of electrochemical processes in a Rf-heated channel flow cell: experiment and finite element simulation. Journal of Electroanalytical Chemistry, 2000, 492, 150-155.	1.9	46
105	Recent Advances in Paired Electrosynthesis. Chemical Record, 2021, 21, 2585-2600.	2.9	46
106	Modeling Hot Wire Electrochemistry. Coupled Heat and Mass Transport at a Directly and Continuously Heated Wire. Journal of Physical Chemistry B, 2000, 104, 764-769.	1.2	45
107	Carbon nanoparticleâ€“chitosan composite electrode with anion, cation, and neutral binding sites: Dihydroxybenzene selectivity. Sensors and Actuators B: Chemical, 2012, 162, 194-200.	4.0	45
108	New application for the BiVO4 photoanode: A photoelectroanalytical sensor for nitrite. Electrochemistry Communications, 2015, 61, 1-4.	2.3	45

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109	Polymer of intrinsic microporosity (PIM) films and membranes in electrochemical energy storage and conversion: A mini-review. Electrochemistry Communications, 2020, 118, 106798.	2.3	45
110	Sonoelectrochemical investigation of silver analysis at a highly boron-doped diamond electrode. Talanta, 2000, 53, 403-415.	2.9	43
111	Voltammetry in the presence of ultrasound: A novel sono-electrode geometry. Electrochimica Acta, 1996, 41, 1541-1547.	2.6	42
112	Electrochemical reactivity of TiO2 nanoparticles adsorbed onto boron-doped diamond surfaces. Electrochemistry Communications, 2004, 6, 1153-1158.	2.3	42
113	Modified carbon nanoparticle-chitosan film electrodes: Physisorption versus chemisorption. Electrochimica Acta, 2008, 53, 5732-5738.	2.6	42
114	Fluorescent Boron Bis(phenolate) with Association Response to Chloride and Dissociation Response to Fluoride. Inorganic Chemistry, 2008, 47, 6236-6244.	1.9	42
115	Polymers of intrinsic microporosity in electrocatalysis: Novel pore rigidity effects and lamella palladium growth. Electrochimica Acta, 2014, 128, 3-9.	2.6	42
116	A Cationic Diode Based on Asymmetric Nafion Film Deposits. ACS Applied Materials & Interfaces, 2017, 9, 11272-11278.	4.0	42
117	Mechanistic Study of the Voltammetry of Nonconducting Microcrystalline cis- and trans-Cr(CO)2(dpe)2 Complexes (dpe = Ph2PCH2CH2PPh2) Mechanically attached to a Graphite Electrode and Immersed in Different Aqueous Electrolyte Media: Identification by Infrared Spectroscopy of cis-[Cr(CO)2(dpe)2]+ Stabilized at the Electrode-Solid-Solution Interface. Organometallics, 1994, 13, 5122-5131.	1.1	41
118	Electrode processes at the surfaces of sonotrodes. Electrochimica Acta, 1996, 41, 315-320.	2.6	41
119	The 20 kHz sonochemical degradation of trace cyanide and dye stuffs in aqueous media. New Journal of Chemistry, 1999, 23, 845-849.	1.4	41
120	Fast Hole Surface Conduction Observed for Indoline Sensitizer Dyes Immobilized at Fluorine-Doped Tin Oxideâ€"TiO2 Surfaces. Journal of Physical Chemistry C, 2010, 114, 11822-11828.	1.5	41
121	Continuous low temperature synthesis of MAPbX₃ perovskite nanocrystals in a flow reactor. Reaction Chemistry and Engineering, 2018, 3, 640-644.	1.9	41
122	Voltammetry in the Presence of Ultrasound:Â Sonovoltammetric Detection of Cytochromecunder Very Fast Mass Transport Conditions. The Journal of Physical Chemistry, 1996, 100, 17395-17399.	2.9	40
123	Microwave Activated Voltammetry: The Thermally Enhanced Anodic Stripping Detection of Cadmium. Electroanalysis, 2000, 12, 267-273.	1.5	40
124	Electrochemical Detection of As(III) via Iodine Electrogenerated at Platinum, Gold, Diamond or Carbon-Based Electrodes. Electroanalysis, 2004, 16, 897-903.	1.5	40
125	Pulse-Voltammetric Glucose Detection at Gold Junction Electrodes. Analytical Chemistry, 2010, 82, 7063-7067.	3.2	40
126	High-frequency sonoelectrochemical processes: mass transport, thermal and surface effects induced by cavitation in a 500 kHz reactor. Ultrasonics Sonochemistry, 1999, 6, 189-197.	3.8	39

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127	Intrinsically Porous Polymer Protects Catalytic Gold Particles for Enzymeless Glucose Oxidation. Electroanalysis, 2014, 26, 904-909.	1.5	39
128	Functionalized Carbon Nanoparticles, Blacks and Soots as Electronâ€Transfer Building Blocks and Conduits. Chemistry - an Asian Journal, 2014, 9, 1226-1241.	1.7	39
129	Clostridium isatidis colonised carbon electrodes: voltammetric evidence for direct solid state redox processes. New Journal of Chemistry, 2000, 24, 179-181.	1.4	38
130	Microwave activation of electrochemical processes: High temperature phenol and triclosan electro-oxidation at carbon and diamond electrodes. Electrochimica Acta, 2007, 53, 1092-1099.	2.6	38
131	Direct reversible voltammetry and electrocatalysis with surface-stabilised Fe2O3 redox states. Electrochemistry Communications, 2008, 10, 1773-1776.	2.3	38
132	Microwaveâ€Assisted Electroanalysis: A Review. Electroanalysis, 2009, 21, 113-123.	1.5	38
133	Utilization of Ternary Europium Complex for Organic Electroluminescent Devices and as a Sensitizer to Improve Electroluminescence of Red-Emitting Iridium Complex. Inorganic Chemistry, 2019, 58, 8316-8331.	1.9	38
134	Laser Activation Voltammetry:Â Selective Removal of Reduced Forms of Methyl Viologen Deposited on Glassy Carbon and Boron-Doped Diamond Electrodes. Analytical Chemistry, 2000, 72, 2362-2370.	3.2	37
135	Microwave enhanced electrochemistry: mass transport effects and steady state voltammetry in the sub-millisecond time domain. Journal of Electroanalytical Chemistry, 2004, 573, 175-182.	1.9	37
136	Simple Cast-Deposited Multi-Walled Carbon Nanotube/Nafionâ„¢ Thin Film Electrodes for Electrochemical Stripping Analysis. Mikrochimica Acta, 2005, 150, 269-276.	2.5	37
137	Redox Processes in Mesoporous Oxide Membranes:Â Layered TiO2Phytate and TiO2Flavin Adenine Dinucleotide Films. Langmuir, 2005, 21, 9482-9487.	1.6	37
138	Focused microwaves in electrochemical processes. Electrochimica Acta, 2006, 51, 2195-2203.	2.6	37
139	Ion transfer processes at the room temperature ionic liquid|aqueous solution interface supported by a hydrophobic carbon nanofibers â€“ silica composite film. Journal of Electroanalytical Chemistry, 2006, 587, 133-139.	1.9	37
140	Sequential Reduction of High Hydride Count Octahedral Rhodium Clusters [Rh6(PR3)6H12][BArF4]2:Â Redox-Switchable Hydrogen Storage. Journal of the American Chemical Society, 2007, 129, 1793-1804.	6.6	37
141	Nanomechanical electron shuttle consisting of a gold nanoparticle embedded within the gap between two gold electrodes. Physical Review B, 2009, 79, .	1.1	37
142	Boronic aciddendrimerreceptor modified nanofibrillar cellulose membranes. Journal of Materials Chemistry, 2010, 20, 588-594.	6.7	37
143	One-step growth of 3â€“5nm diameter palladium electrocatalyst in a carbon nanoparticleâ€“chitosan host and characterization for formic acid oxidation. Electrochimica Acta, 2010, 55, 6601-6610.	2.6	37
144	Microwave Activation of Electrochemical Processes: Square-Wave Voltammetric Stripping Detection of Cadmiumin the Presence of the Surfactant Triton X. Electroanalysis, 2001, 13, 639-645.	1.5	36

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145	Lead Dioxide Deposition and Electrocatalysis at Highly Boron-Doped Diamond Electrodes in the Presence of Ultrasound. Journal of the Electrochemical Society, 2001, 148, E66.	1.3	36
146	Solâ€“gel processed ionic liquid â€“ hydrophilic carbon nanoparticles multilayer film electrode prepared by layer-by-layer method. Journal of Electroanalytical Chemistry, 2008, 623, 170-176.	1.9	36
147	Mesoporous platinum hosts for electrodeâˆ£liquidâˆ£liquid â€“ Triple phase boundary redox systems. Electrochemistry Communications, 2005, 7, 1333-1339.	2.3	35
148	Electrochemical sensors based on metal nanoparticles with biocatalytic activity. Mikrochimica Acta, 2022, 189, 172.	2.5	35
149	Simultaneous electrochemical and quartz crystal microbalance studies of non-conducting microcrystalline particles of trans-Cr(CO)2(dpe)2 and trans-[Cr(CO)2(dpe)2]+ (dpe = Ph2PCH2CH2PPh2) attached to gold electrodes. Journal of Electroanalytical Chemistry, 1996, 404, 227-235.	1.9	34
150	Sonoelectrochemistry at tungsten-supported boron-doped CVD diamond electrodes. Diamond and Related Materials, 1999, 8, 824-829.	1.8	34
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