

Frank Marken

List of Publications by Year in descending order

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555
papers

17,836
citations

18482

62
h-index

32842

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. <i>Accounts of Chemical Research</i> , 2013, 46, 312-326.	15.6	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. <i>New Journal of Chemistry</i> , 2000, 24, 1009-1015.	2.8	513
3	Electroanalysis at Diamond-Like and Doped-Diamond Electrodes. <i>Electroanalysis</i> , 2003, 15, 1349-1363.	2.9	331
4	Sonoelectrochemical processes: A review. <i>Electroanalysis</i> , 1997, 9, 509-522.	2.9	262
5	Non-invasive, transdermal, path-selective and specific glucose monitoring via a graphene-based platform. <i>Nature Nanotechnology</i> , 2018, 13, 504-511.	31.5	242
6	Nanoparticles in electrochemical sensors for environmental monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1704-1715.	11.4	231
7	Kinetics and mechanism of light-driven oxygen evolution at thin film Fe_2O_3 electrodes. <i>Chemical Communications</i> , 2012, 48, 2027.	4.1	207
8	Electrochemical Analysis of Solids. A Review. <i>Collection of Czechoslovak Chemical Communications</i> , 2002, 67, 163-208.	1.0	200
9	Carbon-based quantum particles: an electroanalytical and biomedical perspective. <i>Chemical Society Reviews</i> , 2019, 48, 4281-4316.	38.1	187
10	Electrochemistry of immobilised redox droplets: Concepts and applications. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4053.	2.8	179
11	Plasmon Resonance Scattering Spectroscopy at the Single Nanoparticle Level: Real Time Monitoring of a Click Reaction. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6011-6014.	13.8	178
12	Redox processes in microdroplets studied by voltammetry, microscopy and ESR spectroscopy: oxidation of N,N'-diphenyl-2,2'-tetrahexylphenylene diamine deposited on solid electrode surfaces and immersed in aqueous electrolyte solution. <i>Journal of Electroanalytical Chemistry</i> , 1997, 437, 209-218.	3.8	174
13	Electrochemical Study of Microcrystalline Solid Prussian Blue Particles Mechanically Attached to Graphite and Gold Electrodes: Electrochemically Induced Lattice Reconstruction. <i>The Journal of Physical Chemistry</i> , 1995, 99, 2096-2103.	2.9	164
14	New bis(triazinyl) pyridines for selective extraction of americium(III). <i>New Journal of Chemistry</i> , 2006, 30, 1171.	2.8	162
15	New Insights into Water Splitting at Mesoporous Fe_2O_3 Films: A Study by Modulated Transmittance and Impedance Spectroscopies. <i>Journal of the American Chemical Society</i> , 2012, 134, 1228-1234.	13.7	162
16	Towards paired and coupled electrode reactions for clean organic microreactor electrosyntheses. <i>Journal of Applied Electrochemistry</i> , 2006, 36, 617-634.	2.9	161
17	An ionic liquid as a solvent for headspace single drop microextraction of chlorobenzenes from water samples. <i>Analytica Chimica Acta</i> , 2007, 584, 189-195.	5.4	161
18	Electrochemically induced surface modifications of boron-doped diamond electrodes: an X-ray photoelectron spectroscopy study. <i>Diamond and Related Materials</i> , 2000, 9, 390-396.	3.9	154

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19	Dual activation: coupling ultrasound to electrochemistry – an overview. <i>Electrochimica Acta</i> , 1997, 42, 2919-2927.	5.2	145
20	All-Polystyrene 3D-Printed Electrochemical Device with Embedded Carbon Nanofiber-Graphite-Polystyrene Composite Conductor. <i>Electroanalysis</i> , 2016, 28, 1517-1523.	2.9	141
21	Ionic liquid modified electrodes. Unusual partitioning and diffusion effects of $\text{Fe}(\text{CN})_6^{4-}/3^{+}$ in droplet and thin layer deposits of 1-methyl-3-(2,6-(S)-dimethylocten-2-yl)-imidazolium tetrafluoroborate. <i>Journal of Electroanalytical Chemistry</i> , 2000, 493, 75-83.	3.8	126
22	Conformal transformation of $[\text{Co}(\text{bdc})(\text{DMF})]$ (Co-MOF-71, bdc = 1,4-benzenedicarboxylate, DMF =) <i>Tj ETQqO O O rgBT /Overlock 10 Tf 5 Communications</i> , 2013, 27, 9-13.	4.7	121
23	Accumulation and Reactivity of the Redox Protein Cytochrome c in Mesoporous Films of TiO_2 Phytate. <i>Langmuir</i> , 2003, 19, 4327-4331.	3.5	116
24	Voltammetry in the presence of ultrasound: the limit of acoustic streaming induced diffusion layer thinning and the effect of solvent viscosity. <i>Journal of Electroanalytical Chemistry</i> , 1996, 415, 55-63.	3.8	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. <i>Journal of the Chemical Society Perkin Transactions II</i> , 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 solid – solid phase transformation controlled by nucleation and growth. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 3925-3933.	1.7	108
27	Voltammetry in the presence of ultrasound: Can ultrasound modify heterogeneous electron transfer kinetics?. <i>Journal of Electroanalytical Chemistry</i> , 1995, 395, 335-339.	3.8	106
28	Self-Supported and Clean One-Step Cathodic Coupling of Activated Olefins with Benzyl Bromide Derivatives in a Micro Flow Reactor. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4146-4149.	13.8	100
29	Electrocatalytic activity of Basolite TM F300 metal-organic-framework structures. <i>Electrochemistry Communications</i> , 2010, 12, 632-635.	4.7	99
30	Generator-collector double electrode systems: A review. <i>Analyst</i> , The, 2012, 137, 1068.	3.5	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. <i>Journal of Electroanalytical Chemistry</i> , 1994, 372, 125-135.	3.8	97
32	Self-supported paired electrosynthesis of 2,5-dimethoxy-2,5-dihydrofuran using a thin layer flow cell without intentionally added supporting electrolyte. <i>Electrochemistry Communications</i> , 2005, 7, 35-39.	4.7	97
33	Novel hierarchical structure of $\text{MoS}_2/\text{TiO}_2/\text{Ti}_3\text{C}_2\text{Tx}$ composites for dramatically enhanced electromagnetic absorbing properties. <i>Journal of Advanced Ceramics</i> , 2021, 10, 1042-1051.	17.4	96
34	Simultaneous Electrochemical Detection and Determination of Lead and Copper at Boron-Doped Diamond Film Electrodes. <i>Electroanalysis</i> , 2002, 14, 262-272.	2.9	93
35	Paired electrosynthesis: micro-flow cell processes with and without added electrolyte. <i>Electrochemistry Communications</i> , 2002, 4, 825-831.	4.7	93
36	Manganese Binding to the Prion Protein. <i>Journal of Biological Chemistry</i> , 2008, 283, 12831-12839.	3.4	90

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37	A novel cation-binding TiO ₂ nanotube substrate for electro- and bioelectro-catalysis. <i>Electrochemistry Communications</i> , 2005, 7, 1050-1058.	4.7	89
38	Electrochemical analysis of nucleic acids at boron-doped diamond electrodes. <i>Analyst</i> , 2002, 127, 329-332.	3.5	82
39	Metastable Ionic Diodes Derived from an Amine-Based Polymer of Intrinsic Microporosity. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10751-10754.	13.8	81
40	An ambient aqueous synthesis for highly dispersed and active Pd/C catalyst for formic acid electro-oxidation. <i>Journal of Power Sources</i> , 2010, 195, 7246-7249.	7.8	80
41	Sono-Cathodic Stripping Voltammetry of Lead at a Polished Boron-Doped Diamond Electrode: Application to the Determination of Lead in River Sediment. <i>Electroanalysis</i> , 1999, 11, 1083-1088.	2.9	79
42	Electrochemical sensing using boronic acids. <i>Chemical Communications</i> , 2015, 51, 14562-14573.	4.1	79
43	Direct cytochrome c electrochemistry at boron-doped diamond electrodes. <i>Electrochemistry Communications</i> , 2002, 4, 62-66.	4.7	77
44	Review—The Development of Wearable Polymer-Based Sensors: Perspectives. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037566.	2.9	76
45	Triple-decker complexes. 9. Triple-decker complexes with bridging cyclopentadienyl ligands and novel cyclopentadienyl transfer reactions. <i>Organometallics</i> , 1993, 12, 4039-4045.	2.3	75
46	The thermoelectrochemistry of the aqueous iron(II)/iron(III) redox couple: significance of the anion and pH in thermogalvanic thermal-to-electrical energy conversion. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2717-2726.	4.9	75
47	Directed assembly of multilayers—the case of Prussian Blue. <i>Chemical Communications</i> , 2001, , 1994-1995.	4.1	74
48	Electrostatic accumulation and determination of triclosan in ultrathin carbon nanoparticle composite film electrodes. <i>Analytica Chimica Acta</i> , 2007, 593, 117-122.	5.4	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 = Ph ₂ PCH ₂ CH ₂ PPh ₂) mechanically attached to carbon electrodes. <i>Journal of the American Chemical Society</i> , 1993, 115, 9556-9562.	13.7	70
50	Electrochemistry at boron-doped diamond films grown on graphite substrates: redox-, adsorption and deposition processes. <i>Journal of Electroanalytical Chemistry</i> , 1998, 442, 207-216.	3.8	69
51	Electrochemically Driven Ion Insertion Processes across Liquid Liquid Boundaries: Neutral versus Ionic Redox Liquids. <i>Journal of Physical Chemistry B</i> , 2001, 105, 1344-1350.	2.6	68
52	Arsenite Determination in Phosphate Media at Electroaggregated Gold Nanoparticle Deposits. <i>Electroanalysis</i> , 2008, 20, 1286-1292.	2.9	68
53	Microwave Activation of Electrochemical Processes: Enhanced Electrodehalogenation in Organic Solvent Media. <i>Journal of the American Chemical Society</i> , 2002, 124, 9784-9788.	13.7	67
54	Large-Amplitude Fourier Transformed High-Harmonic Alternating Current Cyclic Voltammetry: Kinetic Discrimination of Interfering Faradaic Processes at Glassy Carbon and at Boron-Doped Diamond Electrodes. <i>Analytical Chemistry</i> , 2004, 76, 3619-3629.	6.5	67

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55	Ultrathin Carbon Nanoparticle Composite Film Electrodes: Distinguishing Dopamine and Ascorbate. <i>Electroanalysis</i> , 2007, 19, 1032-1038.	2.9	67
56	Anion Detection by Electro-Insertion into N,N,N',N'-Tetrahexyl-Phenylenediamine (THPD) Microdroplets Studied by Voltammetry, EQCM, and SEM Techniques. <i>Electroanalysis</i> , 1998, 10, 821-826.	2.9	66
57	Voltammetry at carbon nanofiber electrodes. <i>Electrochemistry Communications</i> , 2001, 3, 177-180.	4.7	66
58	Hydrophilic carbon nanoparticle-laccase thin film electrode for mediatorless dioxygen reduction. <i>Electrochimica Acta</i> , 2009, 54, 4620-4625.	5.2	66
59	The Synucleins Are a Family of Redox-Active Copper Binding Proteins. <i>Biochemistry</i> , 2011, 50, 37-47.	2.5	66
60	Sonoelectrochemical and sonochemical effects of cavitation: correlation with interfacial cavitation induced by 20 kHz ultrasound. <i>Ultrasonics Sonochemistry</i> , 2000, 7, 7-14.	8.2	65
61	Electrocatalytic oxidation of nitric oxide at TiO ₂ @Au nanocomposite film electrodes. <i>Electrochemistry Communications</i> , 2007, 9, 436-442.	4.7	64
62	Chemically surface-modified carbon nanoparticle carrier for phenolic pollutants: Extraction and electrochemical determination of benzophenone-3 and triclosan. <i>Analytica Chimica Acta</i> , 2008, 616, 28-35.	5.4	64
63	Microwave activation of electrochemical processes at microelectrodes. <i>Chemical Communications</i> , 1998, , 2595-2596.	4.1	63
64	Direct electrochemistry of nanoparticulate Fe ₂ O ₃ in aqueous solution and adsorbed onto tin-doped indium oxide. <i>Pure and Applied Chemistry</i> , 2001, 73, 1885-1894.	1.9	63
65	Ferrocene-Decorated Nanocrystalline Cellulose with Charge Carrier Mobility. <i>Langmuir</i> , 2012, 28, 6514-6519.	3.5	63
66	Evidence for Nucleation-Growth, Redistribution, and Dissolution Mechanisms during the Course of Redox Cycling Experiments on the C ₆₀ /NBu ₄ C ₆₀ Solid-State Redox System: A Voltammetric, SEM, and in Situ AFM Studies. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5637-5644.	2.6	62
67	Chemistry of polynuclear metal complexes with bridging carbene or carbyne ligands. Part 79. Synthesis and reactions of the alkylidynemetal complexes [M(η ⁵ -C ₅ H ₅)(CO) ₂ (η ¹ -C ₅ H ₅)] (R = C ₆ H ₃ Me _{2-2,6} , M = Cr, Ti) [E ₁ 1 0.784314]. [MoFe(η ⁵ -C ₅ H ₅)(CO) ₅ (η ¹ -C ₅ H ₅)]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1988, , 2453-2455.	1.1	61
68	Enantioselective Organocatalytic Epoxidation Driven by Electrochemically Generated Percarbonate and Persulfate. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1149-1154.	4.3	61
69	The Development of Boronic Acids as Sensors and Separation Tools. <i>Chemical Record</i> , 2012, 12, 464-478.	5.8	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. <i>Electroanalysis</i> , 2000, 12, 1017-1025.	2.9	60
71	Microwave-Enhanced Anodic Stripping Detection of Lead in a River Sediment Sample. A Mercury-Free Procedure Employing a Boron-Doped Diamond Electrode. <i>Electroanalysis</i> , 2001, 13, 831-835.	2.9	60
72	Electroanalytical thin film electrodes based on a Nafion® multi-walled carbon nanotube composite. <i>Electrochemistry Communications</i> , 2004, 6, 917-922.	4.7	60

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73	Assembly of N-hexadecyl-pyridinium-4-boronic acid hexafluorophosphate monolayer films with catechol sensing selectivity. <i>Journal of Materials Chemistry</i> , 2010, 20, 8305.	6.7	60
74	Sono-electroanalysis: Application to the detection of lead in wine. <i>Electrochimica Acta</i> , 1998, 43, 3443-3449.	5.2	57
75	Probing Thermodynamic Aspects of Electrochemically Driven Ion-Transfer Processes Across Liquid Liquid Interfaces: Pure versus Diluted Redox Liquids. <i>Journal of Physical Chemistry B</i> , 2002, 106, 8697-8704.	2.6	57
76	Comparison of three optimized digestion methods for rapid determination of chemical oxygen demand: Closed microwaves, open microwaves and ultrasound irradiation. <i>Analytica Chimica Acta</i> , 2006, 561, 210-217.	5.4	57
77	Metal-organic frameworks post-synthetically modified with ferrocenyl groups: framework effects on redox processes and surface conduction. <i>Dalton Transactions</i> , 2012, 41, 1475-1480.	3.3	57
78	Emulsion electrosynthesis in the presence of power ultrasound Biphasic Kolbe coupling processes at platinum and boron-doped diamond electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2001, 507, 135-143.	3.8	56
79	Self-Supported Methoxylation and Acetoxylation Electrosynthesis Using a Simple Thin-Layer Flow Cell. <i>Journal of the Electrochemical Society</i> , 2006, 153, D143.	2.9	56
80	Thin-Film Modified Electrodes with Reconstituted Cellulose/PDDAC Films for the Accumulation and Detection of Triclosan. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2660-2666.	3.1	56
81	Electrolyte free electro-organic synthesis: The cathodic dimerisation of 4-nitrobenzylbromide in a micro-gap flow cell. <i>Electrochemistry Communications</i> , 2005, 7, 918-924.	4.7	55
82	Aerosol-Assisted CVD of Bismuth Vanadate Thin Films and Their Photoelectrochemical Properties. <i>Chemical Vapor Deposition</i> , 2015, 21, 41-45.	1.3	55
83	A redox-activated fluorescence switch based on a ferrocene-fluorophore-boronic ester conjugate. <i>Chemical Communications</i> , 2015, 51, 1293-1296.	4.1	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. <i>Journal of Electroanalytical Chemistry</i> , 1995, 396, 407-418.	3.8	54
85	Electrochemical and sonoelectrochemical monitoring of indigo reduction by glucose. <i>Dyes and Pigments</i> , 2008, 76, 542-549.	3.7	54
86	Water desalination concept using an ionic rectifier based on a polymer of intrinsic microporosity (PIM). <i>Journal of Materials Chemistry A</i> , 2015, 3, 15849-15853.	10.3	54
87	The use of ultrasound in the enhancement of the deposition and detection of metals in anodic stripping voltammetry. <i>Electroanalysis</i> , 1997, 9, 19-22.	2.9	53
88	Enhanced chemical reversibility of redox processes in cyanine dye rotaxanes. <i>Chemical Communications</i> , 2001, , 1046-1047.	4.1	53
89	Thermodynamic and Voltammetric Characterization of the Metal Binding to the Prion Protein: Insights into pH Dependence and Redox Chemistry. <i>Biochemistry</i> , 2009, 48, 2610-2619.	2.5	53
90	Microwave activation of electrochemical processes: convection, thermal gradients and hot spot formation at the electrode-solution interface. <i>New Journal of Chemistry</i> , 2000, 24, 653-658.	2.8	52

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91	Nanoporous iron oxide membranes: layer-by-layer deposition and electrochemical characterisation of processes within nanopores. <i>New Journal of Chemistry</i> , 2002, 26, 625-629.	2.8	50
92	Pyro-electrolytic water splitting for hydrogen generation. <i>Nano Energy</i> , 2019, 58, 183-191.	16.0	50
93	The direct electrochemistry of ferritin compared with the direct electrochemistry of nanoparticulate hydrous ferric oxide. <i>New Journal of Chemistry</i> , 2002, 26, 259-263.	2.8	49
94	Phosphate and arsenate electro-insertion processes into a N,N,N',N'-tetraoctylphenylenediamine redox liquid. <i>Electrochemistry Communications</i> , 2002, 4, 462-467.	4.7	49
95	Hemoglobin adsorption into TiO ₂ phytate multi-layer films: particle size and conductivity effects. <i>Electrochemistry Communications</i> , 2004, 6, 1249-1253.	4.7	49
96	Metal@MOF Materials in Electroanalysis: Silver-Enhanced Oxidation Reactivity Towards Nitrophenols Adsorbed into a Zinc Metal Organic Framework Ag@MOF-5(Zn). <i>Electrochimica Acta</i> , 2016, 219, 482-491.	5.2	49
97	Biphasic sonoelectrosynthesis. A review. <i>Pure and Applied Chemistry</i> , 2001, 73, 1947-1955.	1.9	48
98	Voltammetric analysis of iron oxide pigments. <i>Analyst, The</i> , 2002, 127, 1100-1107.	3.5	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. <i>Polyhedron</i> , 2006, 25, 888-900.	2.2	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. <i>Electroanalysis</i> , 1996, 8, 732-741.	2.9	46
101	Electrochemistry in the presence of ultrasound: the need for bipotentiostatic control in sonovoltammetric experiments. <i>Ultrasonics Sonochemistry</i> , 1996, 3, S131-S134.	8.2	46
102	Sonoelectrochemically modified electrodes: ultrasound assisted electrode cleaning, conditioning, and product trapping in 1-octanol/water emulsion systems. <i>Electrochimica Acta</i> , 1998, 43, 2157-2165.	5.2	46
103	Methylene Green Voltammetry in Aqueous Solution: Studies Using Thermal, Microwave, Laser, or Ultrasonic Activation at Platinum Electrodes. <i>Journal of Physical Chemistry B</i> , 1999, 103, 9987-9995.	2.6	46
104	Thermal activation of electrochemical processes in a Rf-heated channel flow cell: experiment and finite element simulation. <i>Journal of Electroanalytical Chemistry</i> , 2000, 492, 150-155.	3.8	46
105	Recent Advances in Paired Electrosynthesis. <i>Chemical Record</i> , 2021, 21, 2585-2600.	5.8	46
106	Modeling Hot Wire Electrochemistry. Coupled Heat and Mass Transport at a Directly and Continuously Heated Wire. <i>Journal of Physical Chemistry B</i> , 2000, 104, 764-769.	2.6	45
107	Carbon nanoparticle-chitosan composite electrode with anion, cation, and neutral binding sites: Dihydroxybenzene selectivity. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 194-200.	7.8	45
108	New application for the BiVO ₄ photoanode: A photoelectroanalytical sensor for nitrite. <i>Electrochemistry Communications</i> , 2015, 61, 1-4.	4.7	45

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109	Polymer of intrinsic microporosity (PIM) films and membranes in electrochemical energy storage and conversion: A mini-review. <i>Electrochemistry Communications</i> , 2020, 118, 106798.	4.7	45
110	Sonoelectrochemical investigation of silver analysis at a highly boron-doped diamond electrode. <i>Talanta</i> , 2000, 53, 403-415.	5.5	43
111	Voltammetry in the presence of ultrasound: A novel sono-electrode geometry. <i>Electrochimica Acta</i> , 1996, 41, 1541-1547.	5.2	42
112	Electrochemical reactivity of TiO ₂ nanoparticles adsorbed onto boron-doped diamond surfaces. <i>Electrochemistry Communications</i> , 2004, 6, 1153-1158.	4.7	42
113	Modified carbon nanoparticle-chitosan film electrodes: Physisorption versus chemisorption. <i>Electrochimica Acta</i> , 2008, 53, 5732-5738.	5.2	42
114	Fluorescent Boron Bis(phenolate) with Association Response to Chloride and Dissociation Response to Fluoride. <i>Inorganic Chemistry</i> , 2008, 47, 6236-6244.	4.0	42
115	Polymers of intrinsic microporosity in electrocatalysis: Novel pore rigidity effects and lamella palladium growth. <i>Electrochimica Acta</i> , 2014, 128, 3-9.	5.2	42
116	A Cationic Diode Based on Asymmetric Nafion Film Deposits. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11272-11278.	8.0	42
117	Mechanistic Study of the Voltammetry of Nonconducting Microcrystalline cis- and trans-Cr(CO) ₂ (dpe) ₂ Complexes (dpe = Ph ₂ PCH ₂ CH ₂ PPh ₂) 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. <i>Organometallics</i> , 1994, 13, 5122-5131.	2.3	41
118	Electrode processes at the surfaces of sonotrodes. <i>Electrochimica Acta</i> , 1996, 41, 315-320.	5.2	41
119	The 20 kHz sonochemical degradation of trace cyanide and dye stuffs in aqueous media. <i>New Journal of Chemistry</i> , 1999, 23, 845-849.	2.8	41
120	Fast Hole Surface Conduction Observed for Indoline Sensitizer Dyes Immobilized at Fluorine-Doped Tin Oxide-TiO ₂ Surfaces. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11822-11828.	3.1	41
121	Continuous low temperature synthesis of MAPbX ₃ perovskite nanocrystals in a flow reactor. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 640-644.	3.7	41
122	Voltammetry in the Presence of Ultrasound: Sonovoltammetric Detection of Cytochrome c under Very Fast Mass Transport Conditions. <i>The Journal of Physical Chemistry</i> , 1996, 100, 17395-17399.	2.9	40
123	Microwave Activated Voltammetry: The Thermally Enhanced Anodic Stripping Detection of Cadmium. <i>Electroanalysis</i> , 2000, 12, 267-273.	2.9	40
124	Electrochemical Detection of As(III) via Iodine Electrogenerated at Platinum, Gold, Diamond or Carbon-Based Electrodes. <i>Electroanalysis</i> , 2004, 16, 897-903.	2.9	40
125	Pulse-Voltammetric Glucose Detection at Gold Junction Electrodes. <i>Analytical Chemistry</i> , 2010, 82, 7063-7067.	6.5	40
126	High-frequency sonoelectrochemical processes: mass transport, thermal and surface effects induced by cavitation in a 500 kHz reactor. <i>Ultrasonics Sonochemistry</i> , 1999, 6, 189-197.	8.2	39

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127	Intrinsically Porous Polymer Protects Catalytic Gold Particles for Enzymeless Glucose Oxidation. <i>Electroanalysis</i> , 2014, 26, 904-909.	2.9	39
128	Functionalized Carbon Nanoparticles, Blacks and Soots as Electron Transfer Building Blocks and Conduits. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1226-1241.	3.3	39
129	<i>Clostridium isatidis</i> colonised carbon electrodes: voltammetric evidence for direct solid state redox processes. <i>New Journal of Chemistry</i> , 2000, 24, 179-181.	2.8	38
130	Microwave activation of electrochemical processes: High temperature phenol and triclosan electro-oxidation at carbon and diamond electrodes. <i>Electrochimica Acta</i> , 2007, 53, 1092-1099.	5.2	38
131	Direct reversible voltammetry and electrocatalysis with surface-stabilised Fe ₂ O ₃ redox states. <i>Electrochemistry Communications</i> , 2008, 10, 1773-1776.	4.7	38
132	Microwave-Assisted Electroanalysis: A Review. <i>Electroanalysis</i> , 2009, 21, 113-123.	2.9	38
133	Utilization of Ternary Europium Complex for Organic Electroluminescent Devices and as a Sensitizer to Improve Electroluminescence of Red-Emitting Iridium Complex. <i>Inorganic Chemistry</i> , 2019, 58, 8316-8331.	4.0	38
134	Laser Activation Voltammetry: Selective Removal of Reduced Forms of Methyl Viologen Deposited on Glassy Carbon and Boron-Doped Diamond Electrodes. <i>Analytical Chemistry</i> , 2000, 72, 2362-2370.	6.5	37
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