

Greg M Swain

List of Publications by Year in descending order

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199
papers

10,644
citations

23567

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216
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times ranked

6736
citing authors

#	ARTICLE	IF	CITATIONS
1	Standard Electrochemical Behavior of High-Quality, Boron-Doped Polycrystalline Diamond Thin-Film Electrodes. <i>Analytical Chemistry</i> , 2000, 72, 3793-3804.	6.5	398
2	The electrochemical activity of boron-doped polycrystalline diamond thin film electrodes. <i>Analytical Chemistry</i> , 1993, 65, 345-351.	6.5	388
3	Electrochemistry and the environment. <i>Journal of Applied Electrochemistry</i> , 1994, 24, 1077.	2.9	366
4	Conductive diamond: synthesis, properties, and electrochemical applications. <i>Chemical Society Reviews</i> , 2019, 48, 157-204.	38.1	333
5	Conductive diamond thin-films in electrochemistry. <i>Diamond and Related Materials</i> , 2003, 12, 1940-1949.	3.9	301
6	The Influence of Surface Interactions on the Reversibility of Ferri/Ferrocyanide at Boron-Doped Diamond Thin-Film Electrodes. <i>Journal of the Electrochemical Society</i> , 1999, 146, 4551-4558.	2.9	240
7	Anthraquinonedisulfonate Electrochemistry: A Comparison of Glassy Carbon, Hydrogenated Glassy Carbon, Highly Oriented Pyrolytic Graphite, and Diamond Electrodes. <i>Analytical Chemistry</i> , 1998, 70, 3146-3154.	6.5	238
8	Peer Reviewed: Boron-Doped Diamond Thin-Film Electrodes. <i>Analytical Chemistry</i> , 1997, 69, 591A-597A.	6.5	231
9	The Susceptibility to Surface Corrosion in Acidic Fluoride Media: A Comparison of Diamond, HOPG, and Glassy Carbon Electrodes. <i>Journal of the Electrochemical Society</i> , 1994, 141, 3382-3393.	2.9	227
10	Activation of Colonic Mucosal 5-HT ₄ Receptors Accelerates Propulsive Motility and Inhibits Visceral Hypersensitivity. <i>Gastroenterology</i> , 2012, 142, 844-854.e4.	1.3	224
11	Applications of Diamond Thin Films in Electrochemistry. <i>MRS Bulletin</i> , 1998, 23, 56-60.	3.5	203
12	Polycrystalline diamond electrodes: basic properties and applications as amperometric detectors in flow injection analysis and liquid chromatography. <i>Analytica Chimica Acta</i> , 1999, 397, 145-161.	5.4	201
13	Scanning Electrochemical Microscopy and Conductive Probe Atomic Force Microscopy Studies of Hydrogen-Terminated Boron-Doped Diamond Electrodes with Different Doping Levels. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15117-15127.	2.6	180
14	Electrochemical Performance of Diamond Thin-Film Electrodes from Different Commercial Sources. <i>Analytical Chemistry</i> , 2004, 76, 2553-2560.	6.5	179
15	Cyclic Voltammetric Studies of Charge Transfer Reactions at Highly Boron-Doped Polycrystalline Diamond Thin-Film Electrodes. <i>Analytical Chemistry</i> , 1995, 67, 2812-2821.	6.5	176
16	A comparison of boron-doped diamond thin-film and Hg-coated glassy carbon electrodes for anodic stripping voltammetric determination of heavy metal ions in aqueous media. <i>Analytica Chimica Acta</i> , 2006, 575, 180-189.	5.4	159
17	Characterization and Electrochemical Responsiveness of Boron-Doped Nanocrystalline Diamond Thin-Film Electrodes. <i>Chemistry of Materials</i> , 2003, 15, 879-888.	6.7	154
18	Effect of sp ² -Bonded Nondiamond Carbon Impurity on the Response of Boron-Doped Polycrystalline Diamond Thin-Film Electrodes. <i>Journal of the Electrochemical Society</i> , 2004, 151, E306.	2.9	153

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19	Electrochemical Modification of Boron-Doped Chemical Vapor Deposited Diamond Surfaces with Covalently Bonded Monolayers. <i>Electrochemical and Solid-State Letters</i> , 1999, 2, 288.	2.2	136
20	Electrochemical Oxidation of Polyamines at Diamond Thin-Film Electrodes. <i>Analytical Chemistry</i> , 1999, 71, 1188-1195.	6.5	135
21	Enhanced Signal-to-Background Ratios in Voltammetric Measurements Made at Diamond Thin-Film Electrochemical Interfaces. <i>Analytical Chemistry</i> , 1996, 68, 2031-2037.	6.5	127
22	Oxidation of Azide Anion at Boron-Doped Diamond Thin-Film Electrodes. <i>Analytical Chemistry</i> , 1998, 70, 1502-1510.	6.5	124
23	Development of a Method for Total Inorganic Arsenic Analysis Using Anodic Stripping Voltammetry and a Au-Coated, Diamond Thin-Film Electrode. <i>Analytical Chemistry</i> , 2007, 79, 2412-2420.	6.5	114
24	Provenance and tectonic development of the late Archaean Gawler Craton, Australia; U-Pb zircon, geochemical and Sm-Nd isotopic implications. <i>Precambrian Research</i> , 2005, 141, 106-136.	2.7	109
25	Metal ion analysis in contaminated water samples using anodic stripping voltammetry and a nanocrystalline diamond thin-film electrode. <i>Analytica Chimica Acta</i> , 2004, 522, 35-44.	5.4	108
26	The Structure and Electrochemical Behavior of Nitrogen-Containing Nanocrystalline Diamond Films Deposited from CH ₄ /N ₂ /Ar Mixtures. <i>Journal of the Electrochemical Society</i> , 2001, 148, E44.	2.9	107
27	Diamond electrodes: Diversity and maturity. <i>MRS Bulletin</i> , 2014, 39, 525-532.	3.5	106
28	Electro-oxidation and Amperometric Detection of Chlorinated Phenols at Boron-Doped Diamond Electrodes: A Comparison of Microcrystalline and Nanocrystalline Thin Films. <i>Environmental Science & Technology</i> , 2004, 38, 3674-3682.	10.0	103
29	Comparison of the Electrical, Optical, and Electrochemical Properties of Diamond and Indium Tin Oxide Thin-Film Electrodes. <i>Chemistry of Materials</i> , 2005, 17, 4880-4888.	6.7	103
30	In vitro continuous amperometric monitoring of 5-hydroxytryptamine release from enterochromaffin cells of the guinea pig ileum. <i>Analyst</i> , 2007, 132, 41-47.	3.5	102
31	Boron-Doped Diamond Microelectrodes for Use in Capillary Electrophoresis with Electrochemical Detection. <i>Analytical Chemistry</i> , 2003, 75, 2678-2687.	6.5	100
32	Flow Injection Analysis with Diamond Thin-Film Detectors. <i>Analytical Chemistry</i> , 1997, 69, 4099-4107.	6.5	98
33	Total inorganic arsenic detection in real water samples using anodic stripping voltammetry and a gold-coated diamond thin-film electrode. <i>Analytica Chimica Acta</i> , 2007, 593, 7-12.	5.4	98
34	The structural and electrochemical properties of boron-doped nanocrystalline diamond thin-film electrodes grown from Ar-rich and H ₂ -rich source gases. <i>Diamond and Related Materials</i> , 2009, 18, 669-677.	3.9	95
35	Fabrication and Evaluation of Platinum/Diamond Composite Electrodes for Electrocatalysis. <i>Journal of the Electrochemical Society</i> , 2003, 150, E24.	2.9	94
36	The use of CVD diamond thin films in electrochemical systems. <i>Advanced Materials</i> , 1994, 6, 388-392.	21.0	92

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37	Morphological and Microstructural Stability of Boron-Doped Diamond Thin Film Electrodes in an Acidic Chloride Medium at High Anodic Current Densities. Journal of the Electrochemical Society, 1997, 144, 3806-3812.	2.9	91
38	Effect of underpotential deposition (UPD) of copper on oxygen reduction at Pt(111) surfaces. Journal of Electroanalytical Chemistry, 1995, 382, 73-83.	3.8	88
39	In situ pH measurement during the formation of conversion coatings on an aluminum alloy (AA2024). Analyst, The, 2013, 138, 4398.	3.5	85
40	Direct Electrochemistry of Cytochrome c at Nanocrystalline Boron-Doped Diamond. Journal of the American Chemical Society, 2002, 124, 10634-10635.	13.7	83
41	Diamond microelectrodes for use in biological environments. Journal of Electroanalytical Chemistry, 2005, 583, 56-68.	3.8	81
42	Nanocarbon Electrochemistry and Electroanalysis: Current Status and Future Perspectives. Electroanalysis, 2016, 28, 27-34.	2.9	79
43	Chlorinated Phenol Analysis Using Off-Line Solid-Phase Extraction and Capillary Electrophoresis Coupled with Amperometric Detection and a Boron-Doped Diamond Microelectrode. Analytical Chemistry, 2005, 77, 6542-6548.	6.5	76
44	Preparation and Characterization of Boron-Doped Diamond Powder. Journal of the Electrochemical Society, 2005, 152, B369.	2.9	76
45	The Formation, Structure, Electrochemical Properties and Stability of Trivalent Chrome Process (TCP) Coatings on AA2024. Journal of the Electrochemical Society, 2011, 158, C274.	2.9	74
46	Optical and Electrochemical Properties of Optically Transparent, Boron-Doped Diamond Thin Films Deposited on Quartz. Analytical Chemistry, 2002, 74, 5924-5930.	6.5	72
47	The Formation and Electrochemical Activity of Microporous Diamond Thin Film Electrodes in Concentrated KOH. Journal of the Electrochemical Society, 1997, 144, 856-866.	2.9	69
48	Electrochemical and Surface Structural Characterization of Hydrogen Plasma Treated Glassy Carbon Electrodes. Langmuir, 1996, 12, 6578-6586.	3.5	68
49	In Vitro Continuous Amperometry with a Diamond Microelectrode Coupled with Video Microscopy for Simultaneously Monitoring Endogenous Norepinephrine and Its Effect on the Contractile Response of a Rat Mesenteric Artery. Analytical Chemistry, 2006, 78, 6756-6764.	6.5	68
50	Structural Characterization, Electrochemical Reactivity, and Response Stability of Hydrogenated Glassy Carbon Electrodes. Langmuir, 1998, 14, 7017-7026.	3.5	67
51	Fabrication, characterization, and application of a diamond microelectrode for electrochemical measurement of norepinephrine release from the sympathetic nervous system. Diamond and Related Materials, 2006, 15, 761-772.	3.9	67
52	High Mucosal Serotonin Availability in Neonatal Guinea Pig Ileum Is Associated With Low Serotonin Transporter Expression. Gastroenterology, 2007, 132, 2438-2447.	1.3	67
53	Electrodeposition of Metal Adlayers on Boron-Doped Diamond Thin-Film Electrodes. Journal of the Electrochemical Society, 1995, 142, L42-L45.	2.9	65
54	Diamond microelectrodes for in vitro electroanalytical measurements: current status and remaining challenges. Analyst, The, 2008, 133, 17-24.	3.5	62

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55	Electroanalytical Performance of Nitrogen-Containing Tetrahedral Amorphous Carbon Thin-Film Electrodes. <i>Analytical Chemistry</i> , 2012, 84, 6240-6248.	6.5	62
56	Diamond-derived microelectrodes array for electrochemical analysis. <i>Diamond and Related Materials</i> , 2004, 13, 2009-2015.	3.9	61
57	Transient Formation of Chromate in Trivalent Chromium Process (TCP) Coatings on AA2024 as Probed by Raman Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2012, 159, C326-C333.	2.9	61
58	A Confocal Raman Imaging Study of an Optically Transparent Boron-Doped Diamond Electrode. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10816-10827.	2.6	58
59	Diamond Optically Transparent Electrodes: Demonstration of Concept with Ferri/Ferrocyanide and Methyl Viologen. <i>Analytical Chemistry</i> , 2001, 73, 908-914.	6.5	57
60	Boron-Doped Diamond Microelectrodes Reveal Reduced Serotonin Uptake Rates in Lymphocytes from Adult Rhesus Monkeys Carrying the Short Allele of the <i>5-HTTLPR</i> . <i>ACS Chemical Neuroscience</i> , 2010, 1, 49-64.	3.5	55
61	Pulsed Galvanostatic Deposition of Pt Particles on Microcrystalline and Nanocrystalline Diamond Thin-Film Electrodes. <i>Journal of the Electrochemical Society</i> , 2005, 152, E184.	2.9	53
62	Electrochemical measurements of serotonin (5-HT) release from the guinea pig mucosa using continuous amperometry with a boron-doped diamond microelectrode. <i>Diamond and Related Materials</i> , 2010, 19, 182-185.	3.9	53
63	In-situ scanning tunneling microscopy of well-ordered Rh(111) electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1995, 381, 105-111.	3.8	50
64	Incorporation of Pt Particles in Boron-Doped Diamond Thin Films Applications in Electrocatalysis. <i>Electrochemical and Solid-State Letters</i> , 1999, 3, 286.	2.2	50
65	Exhaled breath biomarker sensing. <i>Biosensors and Bioelectronics</i> , 2021, 182, 113193.	10.1	50
66	Deletion of Transient Receptor Potential Vanilloid Type 1 Receptors Exaggerates Renal Damage in Deoxycorticosterone Acetate-Salt Hypertension. <i>Hypertension</i> , 2008, 52, 264-270.	2.7	47
67	Mild electrocatalytic hydrogenation of lactic acid to lactaldehyde and propylene glycol. <i>Journal of Catalysis</i> , 2007, 246, 15-28.	6.2	46
68	Whole body norepinephrine kinetics in ANG II-salt hypertension in the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1262-R1267.	1.8	46
69	Electrochemical Characterization of Trivalent Chromium Process (TCP) Coatings on Aluminum Alloys 6061 and 7075. <i>Journal of the Electrochemical Society</i> , 2013, 160, C396-C401.	2.9	46
70	Inkjet-Printed Carbon Nanotube Electrodes for Measuring Pyocyanin and Uric Acid in a Wound Fluid Simulant and Culture Media. <i>Analytical Chemistry</i> , 2019, 91, 8835-8844.	6.5	46
71	Effects of Aging Temperature and Time on the Corrosion Protection Provided by Trivalent Chromium Process Coatings on AA2024-T3. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7923-7930.	8.0	45
72	Structure, Electronic Properties, and Electrochemical Behavior of a Boron-Doped Diamond/Quartz Optically Transparent Electrode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28325-28337.	8.0	44

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73	Spatially Heterogeneous Electrical and Electrochemical Properties of Hydrogen-Terminated Boron-Doped Nanocrystalline Diamond Thin Film Deposited from an Argon-Rich CH ₄ /H ₂ /Ar/B ₂ H ₆ Source Gas Mixture. Journal of Physical Chemistry C, 2007, 111, 3986-3995.	3.1	42
74	Comparative electrochemical response of estrone at glassy-carbon, nitrogen-containing tetrahedral amorphous carbon and boron-doped diamond thin-film electrodes. Journal of Electroanalytical Chemistry, 2014, 712, 207-214.	3.8	42
75	The Electrochemical Properties of Nanocrystalline Diamond Thin Films Deposited from C ₆₀ /Argon and Methane/Nitrogen Gas Mixtures. Electroanalysis, 2000, 12, 7-15.	2.9	41
76	Solid Electrode Materials. , 2007, , 111-153.		40
77	The Physicochemical and Electrochemical Properties of 100 and 500 nm Diameter Diamond Powders Coated with Boron-Doped Nanocrystalline Diamond. Journal of the Electrochemical Society, 2008, 155, B1013.	2.9	40
78	Boron doped diamond deposited by microwave plasma-assisted CVD at low and high pressures. Diamond and Related Materials, 2008, 17, 481-485.	3.9	40
79	Electrolyte and Temperature Effects on the Electron Transfer Kinetics of Fe(CN) ₆ ^{3-/4-} at Boron-Doped Diamond Thin Film Electrodes. Journal of Physical Chemistry C, 2011, 115, 10026-10032.	3.1	39
80	Charge-Induced Long-Range Order in a Room-Temperature Ionic Liquid. Langmuir, 2016, 32, 9507-9512.	3.5	39
81	Differences in sympathetic neuroeffector transmission to rat mesenteric arteries and veins as probed by <i>in vitro</i> continuous amperometry and video imaging. Journal of Physiology, 2007, 584, 819-834.	2.9	38
82	Drug effects on the electrochemical detection of norepinephrine with carbon fiber and diamond microelectrodes. Journal of Electroanalytical Chemistry, 2009, 632, 20-29.	3.8	37
83	Characterization and Performance of a Zr/Ti Pretreatment Conversion Coating on AA2024-T3. Journal of the Electrochemical Society, 2015, 162, C279-C284.	2.9	37
84	Spectroelectrochemical responsiveness of a freestanding, boron-doped diamond, optically transparent electrode toward ferrocene. Analytica Chimica Acta, 2003, 500, 137-144.	5.4	36
85	Voltammetric Studies of Propranolol and Hydrochlorothiazide Oxidation in Standard and Synthetic Biological Fluids Using a Nitrogen-Containing Tetrahedral Amorphous Carbon (ta-C:N) Electrode. Electrochimica Acta, 2014, 143, 398-406.	5.2	36
86	The analysis of estrogenic compounds by flow injection analysis with amperometric detection using a boron-doped diamond electrode. Talanta, 2014, 126, 12-19.	5.5	35
87	Heterogeneous electron-transfer rate constants for ferrocene and ferrocene carboxylic acid at boron-doped diamond electrodes in a room temperature ionic liquid. Electrochimica Acta, 2013, 94, 49-56.	5.2	34
88	Effect of Deoxidation Pretreatment on the Corrosion Inhibition Provided by a Trivalent Chromium Process (TCP) Conversion Coating on AA2024-T3. Journal of the Electrochemical Society, 2014, 161, C246-C253.	2.9	34
89	Electrochemical activation of diamond microelectrodes: implications for the <i>in vitro</i> measurement of serotonin in the bowel. Analyst, The, 2014, 139, 3160-3166.	3.5	33
90	Aliphatic polyamine oxidation response variability and stability at boron-doped diamond thin-film electrodes as studied by flow-injection analysis. Analytica Chimica Acta, 2001, 440, 119-129.	5.4	31

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91	The Analysis of Chlorinated Phenol Solutions by Capillary Electrophoresis Coupled with Direct and Indirect Amperometric Detection Using a Boron-Doped Diamond Microelectrode. <i>Electroanalysis</i> , 2005, 17, 1160-1170.	2.9	31
92	Formation and Structure of Trivalent Chromium Process Coatings on Aluminum Alloys 6061 and 7075. <i>Corrosion</i> , 2013, 69, 1205-1216.	1.1	31
93	Electrochemical formation of high surface area carbon fibers. <i>Analytical Chemistry</i> , 1991, 63, 517-519.	6.5	30
94	Dimensionally Stable Pt/Diamond Composite Electrodes in Concentrated H ₃ PO ₄ at High Temperature. <i>Electrochemical and Solid-State Letters</i> , 2002, 5, E4.	2.2	30
95	TRPV1-mediated protection against endotoxin-induced hypotension and mortality in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1517-R1523.	1.8	30
96	Macrophage depletion lowers blood pressure and restores sympathetic nerve α 2-adrenergic receptor function in mesenteric arteries of DOCA-salt hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1186-H1197.	3.2	30
97	Structure and chemical composition of different variants of a commercial trivalent chromium process (TCP) coating on aluminum alloy 7075-T6. <i>Surface and Coatings Technology</i> , 2017, 315, 150-162.	4.8	29
98	CVD diamond anisotropic film as electrode for electrochemical sensing. <i>Sensors and Actuators B: Chemical</i> , 2003, 91, 39-45.	7.8	28
99	Electrochemical monitoring of nitric oxide released by myenteric neurons of the guinea pig ileum. <i>Neurogastroenterology and Motility</i> , 2008, 20, 1243-1250.	3.0	28
100	Diamond-derived ultramicroelectrodes designed for electrochemical analysis and bioanalyte sensing. <i>Diamond and Related Materials</i> , 2008, 17, 900-905.	3.9	28
101	Boron-doped diamond nano microelectrodes for biosensing and in vitro measurements. <i>Frontiers in Bioscience - Scholar</i> , 2011, S3, 518-540.	2.1	28
102	Analysis of Ag(I) Biocide in Water Samples Using Anodic Stripping Voltammetry with a Boron-Doped Diamond Disk Electrode. <i>Analytical Chemistry</i> , 2018, 90, 6477-6485.	6.5	28
103	Electrochemical detection of peroxynitrite using hemin- π -PEDOT functionalized boron-doped diamond microelectrode. <i>Analyst</i> , 2016, 141, 1796-1806.	3.5	27
104	Fe-N-C Electrocatalysts for Oxygen Reduction Reaction Synthesized by Using Aniline Salt and Fe ³⁺ /H ₂ O ₂ Catalytic System. <i>Electrochimica Acta</i> , 2014, 146, 809-818.	5.2	26
105	Optically Transparent Diamond Electrode for Use in IR Transmission Spectroelectrochemical Measurements. <i>Analytical Chemistry</i> , 2007, 79, 7526-7533.	6.5	25
106	New Horizons in Spectroelectrochemical Measurements: Optically Transparent Carbon Electrodes. <i>Analytical Chemistry</i> , 2008, 80, 14-22.	6.5	25
107	Anodic fracturing and vacuum heat treated annealing of pitch-based carbon fibers. <i>Analytical Chemistry</i> , 1992, 64, 565-568.	6.5	24
108	Chapter 4 Electroanalytical applications of diamond electrodes. <i>Semiconductors and Semimetals</i> , 2004, 77, 121-148.	0.7	24

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109	The effect of the CH ₄ level on the morphology, microstructure, phase purity and electrochemical properties of carbon films deposited by microwave-assisted CVD from Ar-rich source gas mixtures. <i>Diamond and Related Materials</i> , 2009, 18, 1426-1434.	3.9	24
110	Visceral hypersensitivity in female but not in male serotonin transporter knockout rats. <i>Neurogastroenterology and Motility</i> , 2013, 25, e373-81.	3.0	24
111	Assessment of heterogeneous electron-transfer rate constants for soluble redox analytes at tetrahedral amorphous carbon, boron-doped diamond, and glassy carbon electrodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 2087-2098.	1.8	24
112	Effect of stellate ganglionectomy on basal cardiovascular function and responses to β_1 -adrenoceptor blockade in the rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H2447-H2454.	3.2	23
113	Electron Transfer Kinetics of Ferrocene at Microcrystalline Boron-Doped Diamond Electrodes: Effect of Solvent and Electrolyte. <i>Electroanalysis</i> , 2003, 15, 249-253.	2.9	22
114	Inhibitory neuromuscular transmission to ileal longitudinal muscle predominates in neonatal guinea pigs. <i>Neurogastroenterology and Motility</i> , 2010, 22, 909.	3.0	22
115	Alterations in sympathetic neuroeffector transmission to mesenteric arteries but not veins in DOCA-salt hypertension. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010, 152, 11-20.	2.8	22
116	Sex-related differences in small intestinal transit and serotonin dynamics in high-fat diet-induced obesity in mice. <i>Experimental Physiology</i> , 2016, 101, 81-99.	2.0	22
117	Electrochemically modulated liquid chromatography using a boron-doped diamond particle stationary phase. <i>Journal of Chromatography A</i> , 2008, 1210, 154-159.	3.7	21
118	Amperometric Determination of Aminobiphenyls Using HPLC-ED with Boron-Doped Diamond Electrode. <i>Electroanalysis</i> , 2009, 21, 316-324.	2.9	21
119	Thermionic emission from surface-terminated nanocrystalline diamond. <i>Diamond and Related Materials</i> , 2006, 15, 1601-1608.	3.9	20
120	Oxidation Resistance of Bare and Pt-Coated Electrically Conducting Diamond Powder as Assessed by Thermogravimetric Analysis. <i>Journal of the Electrochemical Society</i> , 2010, 157, A19.	2.9	20
121	Isatin Detection Using a Boron-Doped Diamond 3-in-1 Sensing Platform. <i>Analytical Chemistry</i> , 2018, 90, 1951-1958.	6.5	20
122	Freestanding Diamond Thin Films Grown on Glassy Carbon Substrates. <i>Journal of the Electrochemical Society</i> , 1996, 143, L150-L153.	2.9	19
123	Rapid Preparation of Room Temperature Ionic Liquids with Low Water Content as Characterized with a C:N Electrode. <i>Journal of the Electrochemical Society</i> , 2015, 162, H507-H511.	2.9	19
124	Cardiac norepinephrine transporter protein expression is inversely correlated to chamber norepinephrine content. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R857-R863.	1.8	18
125	Equilibrium and Kinetic Behavior of Fe(CN) ₆ ^{3-/4-} and Cytochrome c in Direct Electrochemistry Using a Film Electrode Thin-Layer Transmission Cell. <i>Analytical Chemistry</i> , 2011, 83, 542-548.	6.5	18
126	Evaluation of a nitrogen-incorporated tetrahedral amorphous carbon thin film for the detection of tryptophan and tyrosine using flow injection analysis with amperometric detection. <i>Analyst</i> , 2016, 141, 6031-6041.	3.5	18

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127	Bilateral Carotid-Cavernous Fistula. <i>Journal of Neurosurgery</i> , 1954, 11, 323-326.	1.6	17
128	Modulation of an Induced Charge Density Gradient in the Room-Temperature Ionic Liquid BMIM ⁺ BF ₄ ⁻ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 7361-7367.	3.1	17
129	Characterizing the Magnitude and Structure-Dependence of Free Charge Density Gradients in Room-Temperature Ionic Liquids. <i>Langmuir</i> , 2020, 36, 3038-3045.	3.5	17
130	Preparation and Electrochemical Characterization of Carbon Paper Modified with a Layer of Boron-Doped Nanocrystalline Diamond. <i>Journal of the Electrochemical Society</i> , 2007, 154, K61.	2.9	16
131	Structure and Corrosion Performance of a Non-Chromium Process (NCP) Zr/Zn Pretreatment Conversion Coating on Aluminum Alloys. <i>Journal of the Electrochemical Society</i> , 2016, 163, C718-C728.	2.9	16
132	Anti-Corrosion Properties of a TCP Pretreatment Conversion Coating on Aluminum Alloy 2024-T3 during Moist SO ₂ Atmospheric Testing: Effects of Galvanic Coupling. <i>Journal of the Electrochemical Society</i> , 2017, 164, C135-C147.	2.9	16
133	Preparation and Characterization of Glassy Carbon Powder Modified with a Thin Layer of Boron-Doped Ultrananocrystalline Diamond (B-UNCD). <i>Chemistry of Materials</i> , 2009, 21, 2705-2713.	6.7	15
134	Differential serotonin transport is linked to the rh5-HTTLPR in peripheral blood cells. <i>Translational Psychiatry</i> , 2012, 2, e77-e77.	4.8	15
135	Effects of Film Morphology and Surface Chemistry on the Direct Electrochemistry of Cytochrome c at Boron-Doped Diamond Electrodes. <i>Electrochimica Acta</i> , 2016, 197, 129-138.	5.2	15
136	Cross comparison of TCP conversion coating performance on aluminum alloys during neutral salt-spray and thin-layer mist accelerated degradation testing. <i>Electrochimica Acta</i> , 2018, 282, 171-184.	5.2	15
137	Voltammetric and Amperometric Investigations of Azide Oxidation at the Basal Plane of Highly Oriented Pyrolytic Graphite. <i>Analytical Chemistry</i> , 1999, 71, 4603-4608.	6.5	14
138	Antioxidant treatment restores prejunctional regulation of purinergic transmission in mesenteric arteries of deoxycorticosterone acetate-salt hypertensive rats. <i>Neuroscience</i> , 2010, 168, 335-345.	2.3	14
139	A Pt-free Electrocatalyst Based on Pyrolyzed Vinazene-Carbon Composite for Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , 2015, 161, 305-311.	5.2	14
140	Communication—Role of Trivalent Chromium on the Anti-Corrosion Properties of a TCP Conversion Coating on Aluminum Alloy 2024-T3. <i>Journal of the Electrochemical Society</i> , 2018, 165, C103-C105.	2.9	14
141	The electrochemical determination of isatin at nanocrystalline boron-doped diamond electrodes: Stress monitoring of animals. <i>Sensors and Actuators B: Chemical</i> , 2020, 306, 127592.	7.8	14
142	Comments from the Editor-in-Chief. <i>Electroanalysis</i> , 2022, 34, 1-1.	2.9	14
143	Determination of endogenous norepinephrine levels in different chambers of the rat heart by capillary electrophoresis coupled with amperometric detection. <i>Journal of Neuroscience Methods</i> , 2007, 163, 52-59.	2.5	13
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