Yasuaki Einaga

List of Publications by Year
in descending order

205 papers	7,322 citations	46918 47 h-index	74018 75 g-index
215 all docs	215 docs citations	215 times ranked	6658 citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Oxidation Behavior of Nitrogen Dioxide for Gas Detection Using Boron Doped Diamond Electrodes. Electroanalysis, 2022, 34, 752-760.	1.5	10
2	Coreâ€“shell copper-gold nanoparticles modified at the boron-doped diamond electrode for oxygen sensors. Analytical Methods, 2022, 14, 726-733.	1.3	3
3	Simultaneous electrochemical detection of ozone and free chlorine with a boron-doped diamond electrode. Analyst, The, 2022, 147, 1655-1662.	1.7	3
4	Electrochemical Properties of BDD Electrodes by Surface Control. , 2022, , 9-22.		0
5	A Method Designed for Point-of-care System Monitoring Plasma Concentration of an Anticancer Molecular Targeting Drug with Diamond Electrode. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2022, 95, 2-YIA-58.	0.0	0
6	Electrochemical CO2 Reduction. , 2022, , 161-176.		1
7	Blood Oxygen Sensor Using a Boron-Doped Diamond Electrode. Analytical Chemistry, 2022, 94, 3948-3955.	3.2	4
8	Boron-Doped Diamond Electrode Outperforms the State-of-the-Art Electrochemiluminescence from Microbeads Immunoassay. ACS Sensors, 2022, 7, 1145-1155.	4.0	20
9	Electrogenerated chemiluminescence of luminol at a boron-doped diamond electrode for the detection of hypochlorite. Analyst, The, 2022, 147, 2696-2702.	1.7	10
10	Enzymatic Biosensors with Electrochemiluminescence Transduction. ChemElectroChem, 2022, 9, .	1.7	19
11	A New Pathway for CO₂ Reduction Relying on the Self-Activation Mechanism of Boron-Doped Diamond Cathode. Jacs Au, 2022, 2, 1375-1382.	3.6	15
12	Detection of dissolved hydrogen in water using platinum-modified boron doped diamond electrodes. Journal of Electroanalytical Chemistry, 2022, 917, 116425.	1.9	1
13	Application of Boron-doped Diamond Electrodes: Focusing on the Electrochemical Reduction of Carbon Dioxide. Electrochemistry, 2022, 90, 101002-101002.	0.6	4
14	Conductive-synthetic diamond materials in meeting the sustainable development goals. Current Opinion in Solid State and Materials Science, 2022, 26, 101019.	5.6	4
15	In situ infrared spectroscopy of dopamine oxidation/reduction reactions on a polycrystalline boron-doped diamond electrode. Carbon, 2021, 171, 814-818.	5.4	8
16	Fabrication and electrochemical properties of boron-doped SiC. Carbon, 2021, 174, 240-247.	5.4	2
17	Electrogenerated Chemiluminescence of Luminol Mediated by Carbonate Electrochemical Oxidation at a Boron-Doped Diamond. Analytical Chemistry, 2021, 93, 2336-2341.	3.2	34
18	Boron position-dependent surface reconstruction and electronic states of boron-doped diamond(111) surfaces: an<i>ab initio</i>study. Physical Chemistry Chemical Physics, 2021, 23, 15628-15634.	1.3	5

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19	Modification of boron-doped diamond electrodes with goldâ€“palladium nanoparticles for an oxygen sensor. Analyst, The, 2021, 146, 2842-2850.	1.7	9
20	Nanodiamonds Inhibit Cancer Cell Migration by Strengthening Cell Adhesion: Implications for Cancer Treatment. ACS Applied Materials & Interfaces, 2021, 13, 9620-9629.	4.0	22
21	Anodic Oxidation of Phenols: A Key Step for the Synthesis of Natural Products. Chemical Record, 2021, 21, 2254-2268.	2.9	8
22	Nanoscale Reactivity Mapping of a Single-Crystal Boron-Doped Diamond Particle. Analytical Chemistry, 2021, 93, 5831-5838.	3.2	33
23	Enhancing the Electrochemical Reduction of CO₂ by Controlling the Flow Conditions: An Intermittent Flow Reduction System with a Boron-Doped Diamond Electrode. ACS Sustainable Chemistry and Engineering, 2021, 9, 5298-5303.	3.2	18
24	Annealing enhancement in stability and performance of copper modified boron-doped diamond (Cu-BDD) electrode for electrochemical nitrate reduction. Diamond and Related Materials, 2021, 114, 108310.	1.8	10
25	Analysis of Pharmacokinetics in the Cochlea of the Inner Ear. Frontiers in Pharmacology, 2021, 12, 633505.	1.6	1
26	Localized Graphitization on Diamond Surface as a Manifestation of Dopants. Advanced Materials, 2021, 33, e2103250.	11.1	5
27	Effect of Boron-Doping Level and Surface Termination in Diamond on Electrogenerated Chemiluminescence. ACS Applied Electronic Materials, 2021, 3, 4180-4188.	2.0	7
28	Unique properties of fine bubbles in the electrochemical reduction of carbon dioxide using boron-doped diamond electrodes. Electrochimica Acta, 2021, 389, 138769.	2.6	3
29	Electrochemical Sensing Applications Using Diamond Microelectrodes. Bulletin of the Chemical Society of Japan, 2021, 94, 2838-2847.	2.0	2
30	Metal modified carbon-based electrode for CO2 electrochemical reduction: A review. Journal of Electroanalytical Chemistry, 2021, 898, 115634.	1.9	11
31	Electrochemical CO2 reduction on sub-microcrystalline boron-doped diamond electrodes. Diamond and Related Materials, 2021, 120, 108608.	1.8	10
32	An efficient, formic acid selective CO₂ electrolyzer with a boron-doped diamond cathode. Sustainable Energy and Fuels, 2021, 5, 2590-2594.	2.5	10
33	Efficient photocatalytic conversion of benzene to phenol on stabilized subnanometer WO₃ quantum dots. Catalysis Science and Technology, 2021, 11, 6537-6542.	2.1	6
34	Nickelâ€“Cobalt Modified Boron-Doped Diamond as an Electrode for a Urea/H₂O₂Fuel Cell. Bulletin of the Chemical Society of Japan, 2021, 94, 2922-2928.	2.0	4
35	Recent progress in direct urea fuel cell. Open Chemistry, 2021, 19, 1116-1133.	1.0	8
36	Unusual Electrochemical Properties of Low-Doped Boron-Doped Diamond Electrodes Containing sp² Carbon. Journal of the American Chemical Society, 2020, 142, 2310-2316.	6.6	68

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37	Electrogenerated Chemiluminescence by in Situ Production of Coreactant Hydrogen Peroxide in Carbonate Aqueous Solution at a Boron-Doped Diamond Electrode. Journal of the American Chemical Society, 2020, 142, 1518-1525.	6.6	70
38	An electrochemical aptamer-based sensor prepared by utilizing the strong interaction between a DNA aptamer and diamond. Analyst, The, 2020, 145, 544-549.	1.7	17
39	Electrochemical Measurement of Bismuth Clusters in Dendrimer Through Transformation from Atomicity Controlled Complexes. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 169-173.	1.9	3
40	Oxidation reaction of dissolved hydrogen sulfide using boron doped diamond. Journal of Electroanalytical Chemistry, 2020, 873, 114411.	1.9	12
41	<i>In Vivo</i> Real-Time Simultaneous Examination of Drug Kinetics at Two Separate Locations Using Boron-Doped Diamond Microelectrodes. Analytical Chemistry, 2020, 92, 13742-13749.	3.2	20
42	Effect of sp2 species in a boron-doped diamond electrode on the electrochemical reduction of CO2. Electrochemistry Communications, 2020, 115, 106731.	2.3	26
43	Enhancement of coercivity of self-assembled stacking of ferrimagnetic and antiferromagnetic nanocubes. Nanoscale, 2020, 12, 7792-7796.	2.8	9
44	Quantification of electrogenerated chemiluminescence from tris(bipyridine)ruthenium(<scp>ii</scp>) and hydroxyl ions. Physical Chemistry Chemical Physics, 2020, 22, 15413-15417.	1.3	13
45	Weak Antilocalization and Spin Hall Effect in Pt Films Doped with Molecular Spin. ACS Applied Electronic Materials, 2020, 2, 2098-2103.	2.0	2
46	Avian Influenza Virus Detection by Optimized Peptide Termination on a Boron-Doped Diamond Electrode. ACS Sensors, 2020, 5, 431-439.	4.0	35
47	Further Study of CO 2 Electrochemical Reduction on Palladium Modified BDD Electrode: Influence of Electrolyte. Chemistry - an Asian Journal, 2020, 15, 910-914.	1.7	12
48	Microfluidic screening system based on boron-doped diamond electrodes and dielectrophoretic sorting for directed evolution of NAD(P)-dependent oxidoreductases. Lab on A Chip, 2020, 20, 852-861.	3.1	39
49	Improving the CO2 electrochemical reduction to formic acid using iridium-oxide-modified boron-doped diamond electrodes. Diamond and Related Materials, 2020, 106, 107874.	1.8	22
50	Electrochemical reduction of nitrate on boron-doped diamond electrodes: Effects of surface termination and boron-doping level. Chemosphere, 2020, 251, 126364.	4.2	33
51	Stable iridium-modified boron-doped diamond electrode for the application in electrochemical detection of arsenic (III). Materials Chemistry and Physics, 2020, 244, 122723.	2.0	33
52	Study of nitrate contaminants removal from groundwater on copper modified BDD electrode. E3S Web of Conferences, 2020, 194, 04024.	0.2	1
53	Study of carbon dioxide electrochemical reduction in flow cell system using copper modified boron-doped diamond. E3S Web of Conferences, 2020, 211, 03011.	0.2	1
54	Observation of Proton Transfer Coupled Spin Transition and Trapping of Photoinduced Metastable Proton Transfer State in an Fe(II) Complex. Journal of the American Chemical Society, 2019, 141, 14384-14393.	6.6	23

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55	Trends in Synthetic Diamond for Electrochemical Applications. ChemElectroChem, 2019, 6, 4330-4331.	1.7	2
56	CO₂ reduction to formic acid at low overpotential on BDD electrodes modified with nanostructured CeO₂. Journal of Materials Chemistry A, 2019, 7, 17896-17905.	5.2	25
57	Electrochemical oxidation of palmitic acid solution using boron-doped diamond electrodes. Diamond and Related Materials, 2019, 99, 107464.	1.8	16
58	Conductive diamond: synthesis, properties, and electrochemical applications. Chemical Society Reviews, 2019, 48, 157-204.	18.7	333
59	In situ ATR-IR study of Fe(CN)63âˆ’/Fe(CN)64âˆ’ redox system on boron-doped diamond electrode. Diamond and Related Materials, 2019, 93, 50-53.	1.8	9
60	Fabrication of an all-diamond microelectrode using a chromium mask. Chemical Communications, 2019, 55, 897-900.	2.2	5
61	Electrochemical mineralization of dimethyl sulfoxide on boron-doped diamond electrodes. Environmental Technology and Innovation, 2019, 15, 100409.	3.0	6
62	Oxidation of hydroxide ions in weak basic solutions using boron-doped diamond electrodes: effect of the buffer capacity. Analyst, The, 2019, 144, 4499-4504.	1.7	8
63	Electrochemical properties of fluorinated boron-doped diamond electrodes<i>via</i>fluorine-containing plasma treatment. Physical Chemistry Chemical Physics, 2019, 21, 13788-13794.	1.3	13
64	The Utilization of Boron-doped Diamond Electrodes for the Electrochemical Reduction of CO₂: Toward the Production Compounds with a High Number of Carbon Atoms. Electrochemistry, 2019, 87, 109-113.	0.6	19
65	In Situ Spectroscopic Study on the Surface Hydroxylation of Diamond Electrodes. Analytical Chemistry, 2019, 91, 4980-4986.	3.2	26
66	Thermoresponsive, Freezing-Resistant Smart Windows with Adjustable Transition Temperature Made from Hydroxypropyl Cellulose and Glycerol. Industrial & Engineering Chemistry Research, 2019, 58, 6424-6428.	1.8	49
67	Influence of the Nature of Boronâ€Doped Diamond Anodes on the Dehydrogenative Phenolâ€Phenol Crossâ€Coupling. ChemElectroChem, 2019, 6, 2771-2776.	1.7	19
68	Electrochemical Pinacol Coupling of Acetophenone Using Boronâ€Doped Diamond Electrode. ChemElectroChem, 2019, 6, 4153-4157.	1.7	21
69	High-Temperature Cooperative Spin Crossover Transitions and Single-Crystal Reflection Spectra of [FeIII(qsal)2](CH3OSO3) and Related Compounds. Crystals, 2019, 9, 81.	1.0	11
70	Switchable Product Selectivity in the Electrochemical Reduction of Carbon Dioxide Using Boron-Doped Diamond Electrodes. Journal of the American Chemical Society, 2019, 141, 7414-7420.	6.6	81
71	Electrochemical reduction of CO₂ using palladium modified boron-doped diamond electrodes: enhancing the production of CO. Physical Chemistry Chemical Physics, 2019, 21, 15297-15301.	1.3	24
72	Influence of Surface Orientation on Electrochemical Properties of Boron-Doped Diamond. Journal of Physical Chemistry C, 2019, 123, 5336-5344.	1.5	52

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73	Increasing the Electric Doubleâ€Layer Capacitance in Boronâ€Doped Diamond Electrodes. ChemElectroChem, 2019, 6, 1683-1687.	1.7	7
74	Oxidative Cleavage of the Acylâ€Carbon Bond in Phenylacetone with Electrogenerated Superoxide Anions. ChemElectroChem, 2019, 6, 4194-4198.	1.7	11
75	A solvent-directed stereoselective and electrocatalytic synthesis of diisoeugenol. Chemical Communications, 2018, 54, 2771-2773.	2.2	41
76	The electrochemical production of C2/C3 species from carbon dioxide on copper-modified boron-doped diamond electrodes. Electrochimica Acta, 2018, 266, 414-419.	2.6	54
77	Stable and Highly Efficient Electrochemical Production of Formic Acid from Carbon Dioxide Using Diamond Electrodes. Angewandte Chemie - International Edition, 2018, 57, 2639-2643.	7.2	121
78	Stable and Highly Efficient Electrochemical Production of Formic Acid from Carbon Dioxide Using Diamond Electrodes. Angewandte Chemie, 2018, 130, 2669-2673.	1.6	24
79	Controlled decoration of boron-doped diamond electrodes by electrochemical click reaction (eâˆ’CLICK). Carbon, 2018, 130, 350-354.	5.4	18
80	Contribution of Coulomb Interactions to a Two-Step Crystal Structure Phase Transformation Coupled with a Significant Change in Spin Crossover Behavior for a Series of Charged Fe^{II} Complexes from 2,6-Bis(2-methylthiazol-4-yl)pyridine. Inorganic Chemistry, 2018, 57, 1277-1287.	1.9	17
81	Electrochemical measurement of lamotrigine using boron-doped diamond electrodes. Electrochimica Acta, 2018, 271, 35-40.	2.6	18
82	Effect of doping level on the electrochemical reduction of CO2 on boron-doped diamond electrodes. Diamond and Related Materials, 2018, 86, 167-172.	1.8	61
83	Molecular engineering of Rashba spin-charge converter. Science Advances, 2018, 4, eaar3899.	4.7	24
84	In Situ ATR-IR Observation of the Electrochemical Oxidation of a Polycrystalline Boron-Doped Diamond Electrode in Acidic Solutions. Journal of Physical Chemistry C, 2018, 122, 27456-27461.	1.5	15
85	Influence of Electrolyte on the Electrochemical Reduction of Carbon Dioxide Using Boronâ€Doped Diamond Electrodes. ChemistrySelect, 2018, 3, 10209-10213.	0.7	36
86	Electrogenerated Chemiluminescence with Peroxydisulfate as a Coreactant Using Boron Doped Diamond Electrodes. Analytical Chemistry, 2018, 90, 12959-12963.	3.2	37
87	Development of Electrochemical Applications of Boron-Doped Diamond Electrodes. Bulletin of the Chemical Society of Japan, 2018, 91, 1752-1762.	2.0	54
88	Long-Term Continuous Conversion of CO₂ to Formic Acid Using Boron-Doped Diamond Electrodes. ACS Sustainable Chemistry and Engineering, 2018, 6, 8108-8112.	3.2	47
89	The local structure in heavily boron-doped diamond and the effect this has on its electrochemical properties. Carbon, 2018, 137, 333-342.	5.4	44
90	Comparison of performance between boron-doped diamond and copper electrodes for selective nitrogen gas formation by the electrochemical reduction of nitrate. Chemosphere, 2018, 210, 524-530.	4.2	39

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91	Dose-escalation study for the targeting of CD44v+ cancer stem cells by sulfasalazine in patients with advanced gastric cancer (EPOC1205). Gastric Cancer, 2017, 20, 341-349.	2.7	79
92	Phase 1 study of sulfasalazine and cisplatin for patients with CD44v-positive gastric cancer refractory to cisplatin (EPOC1407). Gastric Cancer, 2017, 20, 1004-1009.	2.7	42
93	Effect of alkali-metal cations on the electrochemical reduction of carbon dioxide to formic acid using boron-doped diamond electrodes. RSC Advances, 2017, 7, 22510-22514.	1.7	36
94	Bimetallic Ptâ€"Au nanocatalysts electrochemically deposited on boron-doped diamond electrodes for nonenzymatic glucose detection. Biosensors and Bioelectronics, 2017, 98, 76-82.	5.3	127
95	Hydroxide Ion Oxidation in Aqueous Solutions Using Boron-Doped Diamond Electrodes. Analytical Chemistry, 2017, 89, 7139-7144.	3.2	15
96	Cooperative spin-crossover transition from three-dimensional purely Ï€-stacking interactions in a neutral heteroleptic azobisphenolate Fe^{III} complex with a N₃O₃ coordination sphere. Dalton Transactions, 2017, 46, 5786-5789.	1.6	20
97	Polycrystalline boron-doped diamond electrodes for electrocatalytic and electrosynthetic applications. Chemical Communications, 2017, 53, 1338-1347.	2.2	78
98	Surface Hydrogenation of Boron-Doped Diamond Electrodes by Cathodic Reduction. Analytical Chemistry, 2017, 89, 11341-11347.	3.2	59
99	Gigantic Photomagnetic Effect at Room Temperature in Spiropyran-Protected FePt Nanoparticles. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700161.	1.2	6
100	A microsensing system for the in vivo real-time detection of local drug kinetics. Nature Biomedical Engineering, 2017, 1, 654-666.	11.6	68
101	Facet-Dependent Temporal and Spatial Changes in Boron-Doped Diamond Film Electrodes due to Anodic Corrosion. Journal of Physical Chemistry C, 2017, 121, 26742-26750.	1.5	9
102	Spin-Singlet Transition in the Magnetic Hybrid Compound from a Spin-Crossover Fe(III) Cation and Ï€-Radical Anion. Inorganics, 2017, 5, 54.	1.2	7
103	Diamond Electrochemistry. , 2017, , .		2
104	Post-Functionalization of Room-Temperature Ferromagnetic Nanoparticle via Surface Modification. Hyomen Kagaku, 2017, 38, 30-34.	0.0	0
105	The Role of Coulomb Interactions for Spin Crossover Behaviors and Crystal Structural Transformation in Novel Anionic Fe(III) Complexes from a Ï€-Extended ONO Ligand. Crystals, 2016, 6, 49.	1.0	15
106	Recovery of copper from dilute cupric sulfate solution by electrodeposition method using boronâ€doped diamond electrodes. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2081-2086.	0.8	10
107	Chargeâ€Transfer Phase Transition of a Cyanideâ€Bridged Fe^{II}/Fe^{III} Coordination Polymer. Angewandte Chemie - International Edition, 2016, 55, 6047-6050.	7.2	55
108	A New Family of Anionic Fe^{III} Spin Crossover Complexes Featuring a Weakâ€Field N₂O₄ Coordination Octahedron. Chemistry - A European Journal, 2016, 22, 1253-1257.	1.7	39

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109	Coâ€"Fe Prussian Blue Analogue Intercalated into Diamagnetic Mgâ€"Al Layered Double Hydroxides. Nanomaterials and Nanotechnology, 2016, 6, 26.	1.2	7
110	Continuous and selective measurement of oxytocin and vasopressin using boron-doped diamond electrodes. Scientific Reports, 2016, 6, 32429.	1.6	33
111	Zanamivir immobilized magnetic beads for voltammetric measurement of neuraminidase at gold-modified boron doped diamond electrode. AIP Conference Proceedings, 2016, , .	0.3	0
112	A Study on Electrolytic Corrosion of Boron-Doped Diamond Electrodes when Decomposing Organic Compounds. ACS Applied Materials & Interfaces, 2016, 8, 28299-28305.	4.0	36
113	Highly sensitive detection of influenza virus by boron-doped diamond electrode terminated with sialic acid-mimic peptide. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8981-8984.	3.3	54
114	The reduction behavior of free chlorine at boron-doped diamond electrodes. Electrochemistry Communications, 2016, 70, 18-22.	2.3	28
115	Co-reactant-on-Demand ECL: Electrogenerated Chemiluminescence by the in Situ Production of S₂O₈^{2â€“} at Boron-Doped Diamond Electrodes. Journal of the American Chemical Society, 2016, 138, 15636-15641.	6.6	99
116	Selective production of methanol by the electrochemical reduction of CO₂ on boron-doped diamond electrodes in aqueous ammonia solution. RSC Advances, 2016, 6, 102214-102217.	1.7	61
117	Screening metal nanoparticles using boron-doped diamond microelectrodes. AIP Conference Proceedings, 2016, , .	0.3	0
118	Fabrication of a Microfluidic Device with Boron-doped Diamond Electrodes for Electrochemical Analysis. Electrochimica Acta, 2016, 197, 159-166.	2.6	16
119	Preparation of dihydroquinazoline carbohydrazone Fe(ii) complexes for spin crossover. New Journal of Chemistry, 2016, 40, 4534-4542.	1.4	3
120	Surface Termination Effect of Boronâ€Doped Diamond on the Electrochemical Oxidation of Adenosine Phosphate. Electroanalysis, 2016, 28, 177-182.	1.5	32
121	Development of neuraminidase detection using gold nanoparticles boron-doped diamond electrodes. Analytical Biochemistry, 2016, 497, 68-75.	1.1	19
122	Microfluidic platform for environmental contaminants sensing and degradation based on boron-doped diamond electrodes. Biosensors and Bioelectronics, 2016, 75, 365-374.	5.3	71
123	Magnetic Enzymatic Platform for Organophosphate Pesticide Detection Using Boron-doped Diamond Electrodes. Analytical Sciences, 2015, 31, 1061-1068.	0.8	14
124	Yeast-based Biochemical Oxygen Demand Sensors Using Gold-modified Boron-doped Diamond Electrodes. Analytical Sciences, 2015, 31, 643-649.	0.8	24
125	Antiferromagnetic Transition in a Novel Star-shaped High-spin Fe(III) Tetranuclear Cluster from a Mononuclear Coordination Anion Featuring Ï€-Extended Schiff Base Ligands. Chemistry Letters, 2015, 44, 840-842.	0.7	7
126	Cathodic reductive coupling of methyl cinnamate on boron-doped diamond electrodes and synthesis of new neolignan-type products. Beilstein Journal of Organic Chemistry, 2015, 11, 200-203.	1.3	22

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127	B23-P-09Electron energy loss spectroscopy of boron doped diamond electrodes. Microscopy (Oxford,) Tj ETQq1 1 0.784314 rgBT /Overl	0.7	0
128	Photochromism-Induced Amplification of Critical Current Density in Superconducting Boron-Doped Diamond with an Azobenzene Molecular Layer. ACS Applied Materials & Interfaces, 2015, 7, 887-894.	4.0	22
129	Novel Fe(<scp>ii</scp>) spin crossover complexes involving a chalcogen-bond and Ï€-stacking interactions with a paramagnetic and nonmagnetic M(dmit)₂ anion (M = Ni, Au; dmit =) Tj ETQq1 1 0.784314 rgBT /Overlo	2.8	12
130	Crystal structure of 5,5â€²-dibromo-3,3â€²-di-tert-butyl-6,6â€²-dimethylbiphenyl-2,2â€²-diol. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o278-o279.	0.2	0
131	Electrochemical properties of phosphorus doped diamond. Electrochimica Acta, 2015, 179, 599-603.	2.6	9
132	Anodic stripping voltammetry of gold nanoparticles at boron-doped diamond electrodes and its application in immunochromatographic strip tests. Talanta, 2015, 134, 136-143.	2.9	28
133	Cathodic pretreatment improves the resistance of boron-doped diamond electrodes to dopamine fouling. Electrochemistry Communications, 2014, 47, 92-95.	2.3	39
134	Tailored design of boron-doped diamond electrodes for various electrochemical applications with boron-doping level and sp² -bonded carbon impurities. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2709-2717.	0.8	93
135	Synergistic Spin Transition between Spin Crossover and Spinâ€Peierlsâ€like Singlet Formation in the Halogenâ€Bonded Molecular Hybrid System: [Fe(Iqsal)₂][Ni(dmit)₂]â‹…CH₃CNâ‹…H₂O. Angewandte Chemie - International Edition, 2014, 53, 1983-1986.	7.2	71
136	Toward High-Throughput Screening of NAD(P)-Dependent Oxidoreductases Using Boron-Doped Diamond Microelectrodes and Microfluidic Devices. Analytical Chemistry, 2014, 86, 9570-9575.	3.2	20
137	Diamond electrodes: Diversity and maturity. MRS Bulletin, 2014, 39, 525-532.	1.7	106
138	Direct Determination of Chemical Oxygen Demand by Anodic Decomposition of Organic Compounds at a Diamond Electrode. Analytical Chemistry, 2014, 86, 8066-8072.	3.2	39
139	Highâ€Yield Electrochemical Production of Formaldehyde from CO₂ and Seawater. Angewandte Chemie - International Edition, 2014, 53, 871-874.	7.2	333
140	First Principles Calculation Study on Surfaces and Water Interfaces of Boron-Doped Diamond. Journal of Physical Chemistry C, 2014, 118, 22040-22052.	1.5	29
141	Synthesis of Biodiesel Using a Two-compartments Electrochemical Cell. Chemistry Letters, 2014, 43, 1292-1293.	0.7	12
142	An electrolyte-free system for ozone generation using heavily boron-doped diamond electrodes. Diamond and Related Materials, 2013, 40, 7-11.	1.8	55
143	Modulation of critical current density in polycrystalline boron-doped diamond by surface modification. Physica Status Solidi (B): Basic Research, 2013, 250, 1943-1949.	0.7	8
144	Modulation of critical current density in polycrystalline boron-doped diamond by surface modification. Physica Status Solidi (B): Basic Research, 2013, 250, .	0.7	0

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145	Structure-distortion-induced photomagnetic effect in azobenzene/polyoxometalate Langmuirâ€“Blodgett films. Dalton Transactions, 2013, 42, 16014.	1.6	12
146	Controlling the diffusion profile of electroactive species for selective anodic stripping voltammetry of cadmium at boron-doped diamond electrodes. Physical Chemistry Chemical Physics, 2013, 15, 142-147.	1.3	15
147	Fabrication of boron doped diamond chip electrodes for single drop analysis. RSC Advances, 2013, 3, 25636.	1.7	7
148	Development of Electrolyte-Free Ozone Sensors Using Boron-Doped Diamond Electrodes. Analytical Chemistry, 2013, 85, 4284-4288.	3.2	42
149	Electrochemical Detection of Selenium (IV) and (VI) at Gold-Modified Diamond Electrodes. Electrocatalysis, 2013, 4, 367-374.	1.5	18
150	Influence of Supporting Electrolyte on the Electrochemical Oxidation of Formic Acid on Boron-Doped Diamond Electrodes. Bulletin of the Chemical Society of Japan, 2013, 86, 749-754.	2.0	6
151	In vivo pH monitoring using boron doped diamond microelectrode and silver needles: Application to stomach disorder diagnosis. Scientific Reports, 2013, 3, 3257.	1.6	39
152	Application of Boronâ€Doped Diamond Microelectrodes for Dental Treatment with Pinpoint Ozoneâ€Water Production. ChemPhysChem, 2013, 14, 2094-2096.	1.0	12
153	New Trends on the Boron-Doped Diamond Electrode: From Fundamental Studies to Applications. International Journal of Electrochemistry, 2012, 2012, 1-2.	2.4	7
154	Dopamine Detection on Boron-doped Diamond Electrodes Using Fast Cyclic Voltammetry. Chemistry Letters, 2012, 41, 224-226.	0.7	6
155	Development of a Biochemical Oxygen Demand Sensor Using Gold-Modified Boron Doped Diamond Electrodes. Analytical Chemistry, 2012, 84, 9825-9832.	3.2	44
156	In vivo assessment of cancerous tumors using boron doped diamond microelectrode. Scientific Reports, 2012, 2, 901.	1.6	48
157	Anodic Oxidation on a Boronâ€Doped Diamond Electrode Mediated by Methoxy Radicals. Angewandte Chemie - International Edition, 2012, 51, 5443-5446.	7.2	95
158	Cooperative spin transition and thermally quenched high-spin state in new polymorph of [Fe(qsal)2]I3. Hyperfine Interactions, 2012, 206, 1-5.	0.2	9
159	Effect of the doping level on the biological stability of hydrogenated boron doped diamond electrodes. Physical Chemistry Chemical Physics, 2011, 13, 5422.	1.3	35
160	Phasic reward responses in the monkey striatum as detected by voltammetry with diamond microelectrodes. Neuroscience Research, 2011, 71, 49-62.	1.0	48
161	Influence of Doping Level on the Electrochemical Oxidation of Formic Acid on Boron Doped Diamond Electrodes. Journal of the Electrochemical Society, 2011, 158, F183.	1.3	30
162	Diamond electrodes for electrochemical analysis. Journal of Applied Electrochemistry, 2010, 40, 1807-1816.	1.5	119

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163	Development of amperometric arsine gas sensor using gold-modified diamond electrodes. Journal of Electroanalytical Chemistry, 2010, 645, 58-63.	1.9	34
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165	Sequential Assembly of Phototunable Ferromagnetic Ultrathin Films with Perpendicular Magnetic Anisotropy. Angewandte Chemie - International Edition, 2009, 48, 1754-1757.	7.2	40
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