

Keisuke Natsui

List of Publications by Year in descending order

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26
all docs

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26
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842
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Properties of BDD Electrodes by Surface Control. , 2022, , 9-22.		0
2	Unique properties of fine bubbles in the electrochemical reduction of carbon dioxide using boron-doped diamond electrodes. <i>Electrochimica Acta</i> , 2021, 389, 138769.	5.2	3
3	Electrochemical Measurement of Bismuth Clusters in Dendrimer Through Transformation from Atomicity Controlled Complexes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 169-173.	3.7	3
4	Electrochemical reduction of nitrate on boron-doped diamond electrodes: Effects of surface termination and boron-doping level. <i>Chemosphere</i> , 2020, 251, 126364.	8.2	33
5	CO ₂ reduction to formic acid at low overpotential on BDD electrodes modified with nanostructured CeO ₂ . <i>Journal of Materials Chemistry A</i> , 2019, 7, 17896-17905.	10.3	25
6	Electrochemical mineralization of dimethyl sulfoxide on boron-doped diamond electrodes. <i>Environmental Technology and Innovation</i> , 2019, 15, 100409.	6.1	6
7	Electrochemical properties of fluorinated boron-doped diamond electrodes via fluorine-containing plasma treatment. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13788-13794.	2.8	13
8	The Utilization of Boron-doped Diamond Electrodes for the Electrochemical Reduction of CO ₂ : Toward the Production Compounds with a High Number of Carbon Atoms. <i>Electrochemistry</i> , 2019, 87, 109-113.	1.4	19
9	In Situ Spectroscopic Study on the Surface Hydroxylation of Diamond Electrodes. <i>Analytical Chemistry</i> , 2019, 91, 4980-4986.	6.5	26
10	Switchable Product Selectivity in the Electrochemical Reduction of Carbon Dioxide Using Boron-Doped Diamond Electrodes. <i>Journal of the American Chemical Society</i> , 2019, 141, 7414-7420.	13.7	81
11	Increasing the Electric Double-Layer Capacitance in Boron-Doped Diamond Electrodes. <i>ChemElectroChem</i> , 2019, 6, 1683-1687.	3.4	7
12	Stable and Highly Efficient Electrochemical Production of Formic Acid from Carbon Dioxide Using Diamond Electrodes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2639-2643.	13.8	121
13	Stable and Highly Efficient Electrochemical Production of Formic Acid from Carbon Dioxide Using Diamond Electrodes. <i>Angewandte Chemie</i> , 2018, 130, 2669-2673.	2.0	24
14	Effect of doping level on the electrochemical reduction of CO ₂ on boron-doped diamond electrodes. <i>Diamond and Related Materials</i> , 2018, 86, 167-172.	3.9	61
15	Influence of Electrolyte on the Electrochemical Reduction of Carbon Dioxide Using Boron-Doped Diamond Electrodes. <i>ChemistrySelect</i> , 2018, 3, 10209-10213.	1.5	36
16	Long-Term Continuous Conversion of CO ₂ to Formic Acid Using Boron-Doped Diamond Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8108-8112.	6.7	47
17	Comparison of performance between boron-doped diamond and copper electrodes for selective nitrogen gas formation by the electrochemical reduction of nitrate. <i>Chemosphere</i> , 2018, 210, 524-530.	8.2	39
18	Effect of alkali-metal cations on the electrochemical reduction of carbon dioxide to formic acid using boron-doped diamond electrodes. <i>RSC Advances</i> , 2017, 7, 22510-22514.	3.6	36

#	ARTICLE	IF	CITATIONS
19	Surface Hydrogenation of Boron-Doped Diamond Electrodes by Cathodic Reduction. <i>Analytical Chemistry</i> , 2017, 89, 11341-11347.	6.5	59
20	Recovery of copper from dilute cupric sulfate solution by electrodeposition method using boron-doped diamond electrodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 2081-2086.	1.8	10
21	Selective production of methanol by the electrochemical reduction of CO ₂ on boron-doped diamond electrodes in aqueous ammonia solution. <i>RSC Advances</i> , 2016, 6, 102214-102217.	3.6	61
22	Photochromism-Induced Amplification of Critical Current Density in Superconducting Boron-Doped Diamond with an Azobenzene Molecular Layer. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 887-894.	8.0	22
23	Modulation of critical current density in polycrystalline boron-doped diamond by surface modification. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1943-1949.	1.5	8
24	Modulation of critical current density in polycrystalline boron-doped diamond by surface modification. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, .	1.5	0
25	Anodic Oxidation on a Boron-Doped Diamond Electrode Mediated by Methoxy Radicals. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5443-5446.	13.8	95