

# Tribidasari A Ivandini

## List of Publications by Year in descending order

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75  
papers

2,455  
citations

186265

28  
h-index

206112

48  
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78  
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78  
docs citations

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times ranked

2392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication, Characterization, and Application of Boron-Doped Diamond Microelectrodes for in Vivo Dopamine Detection. <i>Analytical Chemistry</i> , 2007, 79, 8608-8615.	6.5	223
2	Electrochemical Detection of Arsenic(III) Using Iridium-Implanted Boron-Doped Diamond Electrodes. <i>Analytical Chemistry</i> , 2006, 78, 6291-6298.	6.5	135
3	Electrochemical Oxidation of Oxalic Acid at Highly Boron-Doped Diamond Electrodes. <i>Analytical Chemistry</i> , 2006, 78, 3467-3471.	6.5	132
4	Electrochemical detection of free chlorine at highly boron-doped diamond electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2008, 612, 29-36.	3.8	128
5	Photocatalytic conversion of CO <sub>2</sub> using earth-abundant catalysts: A review on mechanism and catalytic performance. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 113, 109246.	16.4	123
6	Simultaneous detection of purine and pyrimidine at highly boron-doped diamond electrodes by using liquid chromatography. <i>Talanta</i> , 2007, 71, 648-655.	5.5	119
7	Polycrystalline boron-doped diamond electrodes for electrocatalytic and electrosynthetic applications. <i>Chemical Communications</i> , 2017, 53, 1338-1347.	4.1	78
8	Anodic stripping voltammetry of inorganic species of As <sup>3+</sup> and As <sup>5+</sup> at gold-modified boron doped diamond electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2008, 615, 145-153.	3.8	76
9	Selective Detection Method Derived from a Controlled Diffusion Process at Metal-Modified Diamond Electrodes. <i>Analytical Chemistry</i> , 2006, 78, 7857-7860.	6.5	72
10	Microfluidic platform for environmental contaminants sensing and degradation based on boron-doped diamond electrodes. <i>Biosensors and Bioelectronics</i> , 2016, 75, 365-374.	10.1	71
11	Electroanalytical application of modified diamond electrodes. <i>Diamond and Related Materials</i> , 2004, 13, 2003-2008.	3.9	69
12	Direct electrochemical oxidation of proteins at conductive diamond electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2008, 612, 201-207.	3.8	67
13	Pt-implanted boron-doped diamond electrodes and the application for electrochemical detection of hydrogen peroxide. <i>Diamond and Related Materials</i> , 2005, 14, 2133-2138.	3.9	65
14	Development of Amperometric Immunosensor Using Boron-Doped Diamond with Poly(o-aminobenzoic) Tj ETQq0 0,0,rgBT /Overlock 10	6.5	59
15	Exposing TiO <sub>2</sub> (001) crystal facet in nano Au-TiO <sub>2</sub> heterostructures for enhanced photodegradation of methylene blue. <i>Applied Surface Science</i> , 2019, 487, 1376-1384.	6.1	57
16	An electrolyte-free system for ozone generation using heavily boron-doped diamond electrodes. <i>Diamond and Related Materials</i> , 2013, 40, 7-11.	3.9	55
17	Electrochemical detection of hydrogen peroxide at platinum-modified diamond electrodes for an application in melamine strip tests. <i>Diamond and Related Materials</i> , 2014, 48, 88-95.	3.9	52
18	Influence of Surface Orientation on Electrochemical Properties of Boron-Doped Diamond. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5336-5344.	3.1	52

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19	Development of a Biochemical Oxygen Demand Sensor Using Gold-Modified Boron Doped Diamond Electrodes. <i>Analytical Chemistry</i> , 2012, 84, 9825-9832.	6.5	44
20	Development of Electrolyte-Free Ozone Sensors Using Boron-Doped Diamond Electrodes. <i>Analytical Chemistry</i> , 2013, 85, 4284-4288.	6.5	42
21	Novel NiO nanoparticles via phytosynthesis method: Structural, morphological and optical properties. <i>Journal of Molecular Structure</i> , 2021, 1227, 129543.	3.6	41
22	Iridium oxide (IV) nanoparticle-based lateral flow immunoassay. <i>Biosensors and Bioelectronics</i> , 2019, 132, 132-135.	10.1	38
23	Development of amperometric arsine gas sensor using gold-modified diamond electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2010, 645, 58-63.	3.8	34
24	Electrogenerated Chemiluminescence of Luminol Mediated by Carbonate Electrochemical Oxidation at a Boron-Doped Diamond. <i>Analytical Chemistry</i> , 2021, 93, 2336-2341.	6.5	34
25	Continuous and selective measurement of oxytocin and vasopressin using boron-doped diamond electrodes. <i>Scientific Reports</i> , 2016, 6, 32429.	3.3	33
26	Stable iridium-modified boron-doped diamond electrode for the application in electrochemical detection of arsenic (III). <i>Materials Chemistry and Physics</i> , 2020, 244, 122723.	4.0	33
27	Surface Termination Effect of Boron-Doped Diamond on the Electrochemical Oxidation of Adenosine Phosphate. <i>Electroanalysis</i> , 2016, 28, 177-182.	2.9	32
28	A green synthesis of gold-palladium core-shell nanoparticles using orange peel extract through two-step reduction method and its formaldehyde colorimetric sensing performance. <i>Nano Structures Nano Objects</i> , 2020, 24, 100535.	3.5	32
29	Anodic stripping voltammetry of gold nanoparticles at boron-doped diamond electrodes and its application in immunochromatographic strip tests. <i>Talanta</i> , 2015, 134, 136-143.	5.5	28
30	Direct electrochemical detection of sodium azide in physiological saline buffers using highly boron-doped diamond electrodes. <i>Sensors and Actuators B: Chemical</i> , 2007, 120, 500-507.	7.8	27
31	Yeast-based Biochemical Oxygen Demand Sensors Using Gold-modified Boron-doped Diamond Electrodes. <i>Analytical Sciences</i> , 2015, 31, 643-649.	1.6	24
32	Coexposed TiO <sub>2</sub> 's (001) and (101) facets in TiO <sub>2</sub> /BiVO <sub>4</sub> photoanodes for an enhanced photocatalytic fuel cell. <i>Applied Surface Science</i> , 2021, 542, 148746.	6.1	24
33	Improving the CO <sub>2</sub> electrochemical reduction to formic acid using iridium-oxide-modified boron-doped diamond electrodes. <i>Diamond and Related Materials</i> , 2020, 106, 107874.	3.9	22
34	Electrochemical Behavior of Zanamivir at Gold-Modified Boron-Doped Diamond Electrodes for an Application in Neuraminidase Sensing. <i>Electrochemistry</i> , 2015, 83, 357-362.	1.4	19
35	Development of neuraminidase detection using gold nanoparticles boron-doped diamond electrodes. <i>Analytical Biochemistry</i> , 2016, 497, 68-75.	2.4	19
36	Enzymatic Biosensors with Electrochemiluminescence Transduction. <i>ChemElectroChem</i> , 2022, 9, .	3.4	19

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37	Electrochemical Detection of Selenium (IV) and (VI) at Gold-Modified Diamond Electrodes. <i>Electrocatalysis</i> , 2013, 4, 367-374.	3.0	18
38	$\beta$ -Cyclodextrin/Fe <sub>3</sub> O <sub>4</sub> nanocomposites for an electrochemical non-enzymatic cholesterol sensor. <i>Analytical Methods</i> , 2020, 12, 3454-3461.	2.7	18
39	Pt-implanted Boron-doped Diamond Electrodes for Electrochemical Oxidation of Hydrogen Peroxide. <i>Chemistry Letters</i> , 2004, 33, 1330-1331.	1.3	17
40	Gold-nanoparticle-dispersed Boron-doped Diamond Electrodes for Electrochemical Oxidation of Oxalic Acid. <i>Chemistry Letters</i> , 2005, 34, 1086-1087.	1.3	17
41	Selective Detection of As(V) with High Sensitivity by As-deposited Boron-doped Diamond Electrodes. <i>Chemistry Letters</i> , 2010, 39, 1055-1057.	1.3	17
42	Poly(methyl orange)-modified NiO/MoS <sub>2</sub> /SPCE for a non-enzymatic detection of cholesterol. <i>FlatChem</i> , 2021, 29, 100285.	5.6	17
43	Electrochemical oxidation of palmitic acid solution using boron-doped diamond electrodes. <i>Diamond and Related Materials</i> , 2019, 99, 107464.	3.9	16
44	Controlling the diffusion profile of electroactive species for selective anodic stripping voltammetry of cadmium at boron-doped diamond electrodes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 142-147.	2.8	15
45	Magnetic Enzymatic Platform for Organophosphate Pesticide Detection Using Boron-doped Diamond Electrodes. <i>Analytical Sciences</i> , 2015, 31, 1061-1068.	1.6	14
46	Synthesis of Biodiesel Using a Two-compartments Electrochemical Cell. <i>Chemistry Letters</i> , 2014, 43, 1292-1293.	1.3	12
47	Modification of Boron-doped Diamond Electrodes with Platinum to Increase the Stability and Sensitivity of Haemoglobin-based Acrylamide Sensors. <i>Sensors and Materials</i> , 2019, 31, 1105.	0.5	12
48	Electroreduction of CO <sub>2</sub> using copper-deposited on boron-doped diamond (BDD). <i>AIP Conference Proceedings</i> , 2016, , .	0.4	11
49	Electrogenerated chemiluminescence of luminol at a boron-doped diamond electrode for the detection of hypochlorite. <i>Analyst</i> , 2022, 147, 2696-2702.	3.5	10
50	Modification of boron-doped diamond electrodes with gold-palladium nanoparticles for an oxygen sensor. <i>Analyst</i> , 2021, 146, 2842-2850.	3.5	9
51	A synergy of CdSe sensitization and exposure of TiO <sub>2</sub> (010) facet in CdSe-TiO <sub>2</sub> nanostructures for photoreduction of bicarbonate. <i>Inorganic Chemistry Communication</i> , 2020, 118, 107992.	3.9	8
52	Recent progress in direct urea fuel cell. <i>Open Chemistry</i> , 2021, 19, 1116-1133.	1.9	8
53	A novel way of the synthesis of three-dimensional (3D) MoS <sub>2</sub> cauliflowers using allicin. <i>Chemical Physics Letters</i> , 2021, 767, 138345.	2.6	7
54	Electrochemical conversion of CO <sub>2</sub> at metal-modified boron-doped diamond electrodes. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	6

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55	Nano-Cu Modified Cu and Nano-Cu Modified Graphite Electrodes for Chemical Oxygen Demand Sensors. <i>Analytical Sciences</i> , 2020, 36, 1323-1327.	1.6	5
56	Electrochemical Preparation of Highly Oriented Microporous Structure Nickel Oxide Films as Promising Electrodes in Urea Oxidation. <i>Chemistry Letters</i> , 2022, 51, 135-138.	1.3	5
57	Heavy Metal Sensing Based on Diamond Electrodes. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2017, , 67-86.	0.5	4
58	Preparation of gold-palladium modified boron-doped diamond electrode and its preliminary test for oxygen sensors. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
59	Nickelâ€Cobalt Modified Boron-Doped Diamond as an Electrode for a Urea/H <sub>2</sub> O <sub>2</sub> Fuel Cell. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2922-2928.	3.2	4
60	Preparation of iridium-modified boron-doped diamond (BDD) electrodes for electroreduction of CO <sub>2</sub> . <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
61	Production of a polyclonal antibody against acrylamide for immunochromatographic detection of acrylamide using strip tests. <i>Journal of Advanced Veterinary and Animal Research</i> , 2019, 6, 366.	1.2	3
62	Coreâ€shell copper-gold nanoparticles modified at the boron-doped diamond electrode for oxygen sensors. <i>Analytical Methods</i> , 2022, 14, 726-733.	2.7	3
63	Diamond Electrochemistry. , 2017, , .		2
64	Electrochemical Sensing Applications Using Diamond Microelectrodes. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2838-2847.	3.2	2
65	Anodic stripping voltammetry of synthesized CdS nanoparticles at boron-doped diamond electrodes. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
66	The effect of the crosslinker variation towards the low critical solution temperature of poly(N-isopropylacrylamide) polymer. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
67	Anodic stripping voltammetry of Ni(OH) <sub>2</sub> nanoparticles in acid solution using boron-doped diamond electrodes. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
68	Modification of nitrogen-terminated boron-doped diamond electrodes with gold nanoparticles and hemoglobin for acrylamide biosensors. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
69	Hypochlorous Acid Sensor using Boron-Doped Diamond Electrode in Physiological pH Solution. , 2018, , .		1
70	The Synthesis of Gold Nanoparticles with Allyl Mercaptan as the Capping Agent to Modify Boron-Doped Diamond Surface for An Application As Oxygen Sensors. , 2018, , .		1
71	CdS Nanoparticle-based Biosensor Development for Aflatoxin Determination. <i>International Journal of Technology</i> , 2019, 10, 787.	0.8	1
72	Zanamivir immobilized magnetic beads for voltammetric measurement of neuraminidase at gold-modified boron doped diamond electrode. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0

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73	Screening metal nanoparticles using boron-doped diamond microelectrodes. AIP Conference Proceedings, 2016, , .	0.4	0
74	Purification and characterization of polyclonal antibody against acrylamide. AIP Conference Proceedings, 2018, , .	0.4	0
75	Potential electrical energy production of urine at nickel-modified boron-doped diamond electrodes. AIP Conference Proceedings, 2018, , .	0.4	0