

# Briliant Adhi Prabowo

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

602  
citations

759233

12  
h-index

839539

18  
g-index

33  
all docs

33  
docs citations

33  
times ranked

827  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Plasmon Resonance Optical Sensor: A Review on Light Source Technology. <i>Biosensors</i> , 2018, 8, 80.	4.7	271
2	Rapid detection and quantification of Enterovirus 71 by a portable surface plasmon resonance biosensor. <i>Biosensors and Bioelectronics</i> , 2017, 92, 186-191.	10.1	52
3	Graphene-based Portable SPR Sensor for the Detection of Mycobacterium tuberculosis DNA Strain. <i>Procedia Engineering</i> , 2016, 168, 541-545.	1.2	36
4	Rapid screening of Mycobacterium tuberculosis complex (MTBC) in clinical samples by a modular portable biosensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 742-748.	7.8	34
5	Au-spotted zinc oxide nano-hexagonrods structure for plasmon-photoluminescence sensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 100-109.	7.8	32
6	Performance of white organic light-emitting diode for portable optical biosensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 1058-1065.	7.8	25
7	Gold nanoparticle-assisted plasmonic enhancement for DNA detection on a graphene-based portable surface plasmon resonance sensor. <i>Nanotechnology</i> , 2021, 32, 095503.	2.6	22
8	Plasmonic nanomaterial structuring for SERS enhancement. <i>RSC Advances</i> , 2019, 9, 4982-4992.	3.6	19
9	Facile Bacterial Cellulose Nanofibrillation for the Development of a Plasmonic Paper Sensor. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 3122-3131.	5.2	19
10	Application of an OLED integrated with BEF and giant birefringent optical (GBO) film in a SPR biosensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 198, 424-430.	7.8	18
11	The Challenges of Developing Biosensors for Clinical Assessment: A Review. <i>Chemosensors</i> , 2021, 9, 299.	3.6	18
12	ZnO-Nanorod processed PC-SET as the light-harvesting model for plasmontronic fluorescence Sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127597.	7.8	16
13	Sensing Alzheimer's Disease Utilizing Au Electrode by Controlling Nanorestructuring. <i>Chemosensors</i> , 2022, 10, 94.	3.6	10
14	A pump-free microfluidic device for fast magnetic labeling of ischemic stroke biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2571-2583.	3.7	8
15	Nano-film aluminum-gold for ultra-high dynamic-range surface plasmon resonance chemical sensor. <i>Frontiers of Optoelectronics</i> , 2019, 12, 286-295.	3.7	6
16	Gold Nanoframe Array Electrode for Straightforward Detection of Hydrogen Peroxide. <i>Chemosensors</i> , 2021, 9, 37.	3.6	6
17	Novel Four Layer Metal Sensing in Portable SPR Sensor Platform for Viral Particles Quantification. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	4
18	Multi-metallic sensing layers for surface plasmon resonance sensor. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	Cost-effective green synthesis of CuO nanorods for phenol sensor. IOP Conference Series: Earth and Environmental Science, 2020, 483, 012001.	0.3	2
20	Effects of SiO <sub>2</sub> passivation on AlGa <sub>N</sub> /Ga <sub>N</sub> HEMT by self-consistent electro-thermal-mechanical simulation. , 2011, , .		1
21	Four-Layered Sensor Chip for Wavelength-based Surface Plasmon Resonance Biosensor. , 2019, , .		1
22	Analysis of Si <sub>3</sub> N <sub>4</sub> passivation effect by self-consistent electro-thermal-mechanical simulation in AlGa <sub>N</sub> /Ga <sub>N</sub> heterostructure HEMTs. , 2011, , .		0
23	Self-consistent electro-thermo-mechanical analysis of AlN passivation effect on AlGa <sub>N</sub> /Ga <sub>N</sub> HEMTs. , 2011, , .		0
24	Shifting time waveform induced CMOS latch up in bootstrapping technique applications. , 2012, , .		0
25	Interface trap distribution for HCI reliability assessment on bend gate structure by 3D TCAD simulation. , 2012, , .		0
26	Etched and non-etched polystyrene nanoballs coated with AuNPs on Indium Tin Oxide (ITO) electrode as H <sub>2</sub> O <sub>2</sub> sensor. IOP Conference Series: Earth and Environmental Science, 2019, 277, 012032.	0.3	0
27	SERS hotspots growth by mild annealing on Au film over nanospheres, a natural lithography approach. IOP Conference Series: Earth and Environmental Science, 2019, 277, 012034.	0.3	0
28	The Trade-Off Performance of Surface Plasmon Resonance Sensing Utilizing Thin Layer Oxide Under the Metal Layer. , 2019, , .		0