

# Brian Yulianto

## List of Publications by Year in descending order

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Version: 2024-02-01

178  
papers

3,885  
citations

126907

33  
h-index

161849

54  
g-index

178  
all docs

178  
docs citations

178  
times ranked

4334  
citing authors

#	ARTICLE	IF	CITATIONS
1	General synthesis of hierarchical sheet/plate-like M-BDC (M = Cu, Mn, Ni, and Zr) metal-organic frameworks for electrochemical non-enzymatic glucose sensing. <i>Chemical Science</i> , 2020, 11, 3644-3655.	7.4	205
2	Self-assembly of nickel phosphate-based nanotubes into two-dimensional crumpled sheet-like architectures for high-performance asymmetric supercapacitors. <i>Nano Energy</i> , 2020, 67, 104270.	16.0	187
3	Polymer nanocomposites having a high filler content: synthesis, structures, properties, and applications. <i>Nanoscale</i> , 2019, 11, 4653-4682.	5.6	161
4	Self-templated fabrication of hierarchical hollow manganese-cobalt phosphide yolk-shell spheres for enhanced oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2021, 405, 126580.	12.7	160
5	Self-Assembly of Two-Dimensional Bimetallic Nickel-Cobalt Phosphate Nanoplates into One-Dimensional Porous Chainlike Architecture for Efficient Oxygen Evolution Reaction. <i>Chemistry of Materials</i> , 2020, 32, 7005-7018.	6.7	142
6	Tailorable nanoarchitecturing of bimetallic nickel-cobalt hydrogen phosphate <i>via</i> the self-weaving of nanotubes for efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3035-3047.	10.3	109
7	Borophene: Two-dimensional Boron Monolayer: Synthesis, Properties, and Potential Applications. <i>Chemical Reviews</i> , 2022, 122, 1000-1051.	47.7	106
8	Designing bipyridine-functionalized zirconium metal-organic frameworks as a platform for clean energy and other emerging applications. <i>Coordination Chemistry Reviews</i> , 2018, 364, 33-50.	18.8	105
9	Holey Assembly of Two-Dimensional Iron-Doped Nickel-Cobalt Layered Double Hydroxide Nanosheets for Energy Conversion Application. <i>ChemSusChem</i> , 2020, 13, 1645-1655.	6.8	104
10	Chemical Design of Palladium-Based Nanoarchitectures for Catalytic Applications. <i>Small</i> , 2019, 15, e1804378.	10.0	90
11	Nitrogen, phosphorus co-doped eave-like hierarchical porous carbon for efficient capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12807-12817.	10.3	79
12	Review-The Development of Wearable Polymer-Based Sensors: Perspectives. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037566.	2.9	76
13	Green synthesis of metal oxide nanostructures using naturally occurring compounds for energy, environmental, and bio-related applications. <i>New Journal of Chemistry</i> , 2019, 43, 15846-15856.	2.8	72
14	Nanoarchitected Porous Conducting Polymers: From Controlled Synthesis to Advanced Applications. <i>Advanced Materials</i> , 2021, 33, e2007318.	21.0	68
15	Self-sacrificial templated synthesis of a three-dimensional hierarchical macroporous honeycomb-like ZnO/ZnCo <sub>2</sub> O <sub>4</sub> hybrid for carbon monoxide sensing. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3415-3425.	10.3	66
16	Nanoarchitected porous organic polymers and their environmental applications for removal of toxic metal ions. <i>Chemical Engineering Journal</i> , 2021, 408, 127991.	12.7	65
17	SnO <sub>2</sub> Nanostructure as Pollutant Gas Sensors: Synthesis, Sensing Performances, and Mechanism. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-14.	1.8	57
18	Hybrid nanoarchitected of hierarchical zinc oxide wool-ball-like nanostructures with multi-walled carbon nanotubes for achieving sensitive and selective detection of sulfur dioxide. <i>Sensors and Actuators B: Chemical</i> , 2018, 261, 241-251.	7.8	57

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19	Effect of Tin Addition on Mesoporous Silica Thin Film and Its Application for Surface Photovoltage NO <sub>2</sub> Gas Sensor. <i>Analytical Chemistry</i> , 2004, 76, 6719-6726.	6.5	55
20	Reviewâ€”The Development of Gas Sensor Based on Carbon Nanotubes. <i>Journal of the Electrochemical Society</i> , 2016, 163, B97-B106.	2.9	51
21	Optimization of Frequency and Stirring Rate for Synthesis of Magnetite (Fe <sub>3</sub> O <sub>4</sub> ) Nanoparticles by Using Coprecipitation- Ultrasonic Irradiation Methods. <i>Procedia Engineering</i> , 2017, 170, 55-59.	1.2	48
22	Amine-functionalized Cu-MOF nanospheres towards label-free hepatitis B surface antigen electrochemical immunosensors. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5711-5721.	5.8	44
23	Advanced Strategies to Improve Performances of Molybdenum-Based Gas Sensors. <i>Nano-Micro Letters</i> , 2021, 13, 207.	27.0	43
24	Hollow Zinc Oxide Microsphereâ€”Multiwalled Carbon Nanotube Composites for Selective Detection of Sulfur Dioxide. <i>ACS Applied Nano Materials</i> , 2020, 3, 8982-8996.	5.0	42
25	Reviewâ€”Recent Trend on Two-Dimensional Metal-Organic Frameworks for Electrochemical Biosensor Application. <i>Journal of the Electrochemical Society</i> , 2020, 167, 136509.	2.9	42
26	Wearable Carbon Monoxide Sensors Based on Hybrid Graphene/ZnO Nanocomposites. <i>IEEE Access</i> , 2020, 8, 49169-49179.	4.2	41
27	Selectivity of CO and NO adsorption on ZnO (0002) surfaces: A DFT investigation. <i>Applied Surface Science</i> , 2017, 410, 373-382.	6.1	40
28	Preparation of room temperature NO <sub>2</sub> gas sensors based on W- and V-modified mesoporous MCM-41 thin films employing surface photovoltage technique. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 109-119.	7.8	39
29	A combined spectroscopic and TDDFT study of natural dyes extracted from fruit peels of <i>Citrus reticulata</i> and <i>Musa acuminata</i> for dye-sensitized solar cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 112-125.	3.9	39
30	Physical Insights on the Lattice Softening Driven Midâ€”Temperature Range Thermoelectrics of Ti/Zrâ€”Inserted SnTeâ€”An Outlook Beyond the Horizons of Conventional Phonon Scattering and Excavation of Heikesâ€™ Equation for Estimating Carrier Properties. <i>Advanced Energy Materials</i> , 2021, 11, 2101122.	19.5	39
31	Functionalized multi-walled carbon nanotube/silver nanoparticle (f-MWCNT/AgNP) nanocomposites as non-enzymatic electrochemical biosensors for dopamine detection. <i>Nanocomposites</i> , 2021, 7, 97-108.	4.2	39
32	Metal-Organic-Framework FeBDC-Derived Fe <sub>3</sub> O <sub>4</sub> for Non-Enzymatic Electrochemical Detection of Glucose. <i>Sensors</i> , 2020, 20, 4891.	3.8	36
33	Development of battery management system for cell monitoring and protection. , 2014, , .		35
34	A progress review on the modification of CZTS(e)-based thin-film solar cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 83-110.	5.8	35
35	Enhancement of SO <sub>2</sub> gas sensing performance using ZnO nanorod thin films: the role of deposition time. <i>Journal of Materials Science</i> , 2017, 52, 4543-4554.	3.7	34
36	Enhanced benzene selectivity of mesoporous silica SPV sensors by incorporating phenylene groups in the silica framework. <i>Sensors and Actuators B: Chemical</i> , 2009, 138, 417-421.	7.8	30

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37	High Performance Carbon Monoxide Sensor Based on Nano Composite of SnO <sub>2</sub> -Graphene. IEEE Sensors Journal, 2017, 17, 8297-8305.	4.7	29
38	Improved Performances of Ethanol Sensor Fabricated on Al-Doped ZnO Nanosheet Thin Films. IEEE Sensors Journal, 2015, 15, 4114-4120.	4.7	28
39	Mesoporous TiO <sub>2</sub> -based architectures as promising sensing materials towards next-generation biosensing applications. Journal of Materials Chemistry B, 2021, 9, 1189-1207.	5.8	27
40	Defect-Rich Hierarchical Porous UiO-66(Zr) for Tunable Phosphate Removal. Environmental Science & Technology, 2021, 55, 13209-13218.	10.0	27
41	Improving photochemical properties of Ipomea pescaprae, Imperata cylindrica (L.) Beauv, and Paspalum conjugatum Berg as photosensitizers for dye sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2014, 25, 4603-4611.	2.2	26
42	Multiwalled carbon nanotubes-zinc oxide nanocomposites as low temperature toluene gas sensor. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	26
43	Tailored Design of Mesoporous PdCu Nanospheres with Different Compositions Using Polymeric Micelles. ACS Applied Materials & Interfaces, 2019, 11, 36544-36552.	8.0	26
44	Continuous mesoporous Pd films with tunable pore sizes through polymeric micelle-assisted assembly. Nanoscale Horizons, 2019, 4, 960-968.	8.0	26
45	MnFe <sub>2</sub> O <sub>4</sub> nanoparticles/cellulose acetate composite nanofiber for controllable release of naproxen. Materials Chemistry and Physics, 2020, 250, 123055.	4.0	26
46	Review-Recent Development of WO <sub>3</sub> for Toxic Gas Sensors Applications. Journal of the Electrochemical Society, 2021, 168, 107502.	2.9	26
47	Application of lithium tantalate (LiTaO <sub>3</sub> ) films as light sensor to monitor the light status in the Arduino Uno based energy-saving automatic light prototype and passive infrared sensor. Ferroelectrics, 2018, 524, 44-55.	0.6	25
48	Standing Mesochannels: Mesoporous PdCu Films with Vertically Aligned Mesochannels from Nonionic Micellar Solutions. ACS Applied Materials & Interfaces, 2018, 10, 40623-40630.	8.0	25
49	Review-A Pollutant Gas Sensor Based On Fe <sub>3</sub> O <sub>4</sub> Nanostructures: A Review. Journal of the Electrochemical Society, 2021, 168, 027510.	2.9	25
50	Synthesis of Nanoporous TiO <sub>2</sub> and Its Potential Applicability for Dye-Sensitized Solar Cell Using Antocyanine Black Rice. Advances in Materials Science and Engineering, 2010, 2010, 1-6.	1.8	24
51	FABRICATION OF ZINC OXIDE-BASED DYE-SENSITIZED SOLAR CELL BY CHEMICAL BATH DEPOSITION. Functional Materials Letters, 2010, 03, 303-307.	1.2	24
52	Preparation of MWCNT-Fe <sub>3</sub> O <sub>4</sub> Nanocomposites from Iron Sand Using Sonochemical Route. IOP Conference Series: Materials Science and Engineering, 2017, 202, 012013.	0.6	23
53	Review-Recent Advance in Multi-Metallic Metal Organic Frameworks (MM-MOFs) and Their Derivatives for Electrochemical Biosensor Application. Journal of the Electrochemical Society, 2022, 169, 017504.	2.9	22
54	Inhibition of Polyimide Photodegradation by Incorporation of Titanate Nanotubes into a Composite. Journal of Polymers and the Environment, 2019, 27, 1505-1515.	5.0	21

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55	Structural effect of ZnO-Ag chemoresistive sensor on flexible substrate for ethylene gas detection. <i>Sensors and Actuators A: Physical</i> , 2021, 331, 112934.	4.1	21
56	Synthesis of a Surface Photovoltage Sensor Using Self-Ordered Tin-Modified MCM-41 Films: Enhanced NO <sub>2</sub> Gas Sensing. <i>ChemPhysChem</i> , 2004, 5, 261-265.	2.1	20
57	A Light Harvesting Antenna Using Natural Extract Graminoids Coupled with Plasmonic Metal Nanoparticles for Bio-Photovoltaic Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400470.	19.5	20
58	Synthesis of ZnO Flakes on Flexible Substrate and Its Application on Ethylene Sensing at Room Temperature. <i>Chemosensors</i> , 2020, 8, 2.	3.6	19
59	Performance enhancement strategies for surface plasmon resonance sensors in direct glucose detection using pristine and modified UiO-66: effects of morphology, immobilization technique, and signal amplification. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6662-6678.	10.3	19
60	The SPV NO <sub>2</sub> Gas Sensor Fabricated by Mesoporous Tin Oxide Film. <i>Chemistry Letters</i> , 2003, 32, 510-511.	1.3	18
61	Combined spectroscopic and TDDFT study of single-double anthocyanins for application in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2018, 42, 11616-11628.	2.8	17
62	Sonochemical synthesis of magnetic Fe <sub>3</sub> O <sub>4</sub> /graphene nanocomposites for label-free electrochemical biosensors. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 15381-15393.	2.2	17
63	Liquid Polymer Eutectic Mixture for Integrated Extractive-Oxidative Desulfurization of Fuel Oil: An Optimization Study via Response Surface Methodology. <i>Processes</i> , 2020, 8, 848.	2.8	17
64	Theoretical Investigation of Anthocyanidin Aglycones as Photosensitizers for Dye-Sensitized TiO <sub>2</sub> Solar Cells. <i>Advanced Materials Research</i> , 0, 1112, 317-320.	0.3	16
65	Density functional study of adsorptions of CO <sub>2</sub> , NO <sub>2</sub> and SO <sub>2</sub> molecules on Zn(0002) surfaces. <i>Journal of Physics: Conference Series</i> , 2016, 739, 012080.	0.4	16
66	Micro-Raman analysis of Ba <sub>0.2</sub> Sr <sub>0.8</sub> TiO <sub>3</sub> (barium strontium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50.6	0.6	16
67	Biomolecule-Assisted Synthesis of Hierarchical Multilayered Boehmite and Alumina Nanosheets for Enhanced Molybdenum Adsorption. <i>Chemistry - A European Journal</i> , 2019, 25, 4843-4855.	3.3	16
68	Tunable Concave Surface Features of Mesoporous Palladium Nanocrystals Prepared from Supramolecular Micellar Templates. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51357-51365.	8.0	16
69	Reverse micelle-mediated synthesis of plate-assembled hierarchical three-dimensional flower-like gamma-alumina particles. <i>Microporous and Mesoporous Materials</i> , 2021, 321, 111055.	4.4	16
70	Influence of anthocyanin co-pigment on electron transport and performance in black rice dye-sensitized solar cell. <i>Ionics</i> , 2016, 22, 1687-1697.	2.4	15
71	High performance of a carbon monoxide sensor based on a Pd-doped graphene-tin oxide nanostructure composite. <i>Ionics</i> , 2019, 25, 4459-4468.	2.4	15
72	Non-Enzymatic Electrochemical Detection for Uric Acid Based on a Glassy Carbon Electrode Modified With MOF-71. <i>IEEE Sensors Journal</i> , 2020, , 1-1.	4.7	15

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73	Performance of the dye-sensitized quasi-solid state solar cell with combined anthocyanin-ruthenium photosensitizer. <i>RSC Advances</i> , 2020, 10, 36873-36886.	3.6	14
74	Smartphone-based digital image colorimetry for non-enzymatic detection of glucose using gold nanoparticles. <i>Sensing and Bio-Sensing Research</i> , 2022, 35, 100472.	4.2	14
75	Performance of Natural Carotenoids from <i>Musa aromatica</i> and <i>Citrus medicum</i> var <i>Lemon</i> as Photosensitizers for Dye-Sensitized Solar Cells with $\text{TiO}_2$ Nanoparticle. <i>Advanced Materials Research</i> , 0, 789, 167-170.	0.3	13
76	Green Synthesis of Magnetite Nanostructures from Naturally Available Iron Sands via Sonochemical Method. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 311-317.	3.2	13
77	Preparation of Graphene-Zinc Oxide Nanostructure Composite for Carbon Monoxide Gas Sensing. <i>Journal of Electronic Materials</i> , 2018, 47, 3647-3656.	2.2	13
78	Preparation of $\text{SnO}_2$ Thin Film Nanostructure for CO Gas Sensor Using Ultrasonic Spray Pyrolysis and Chemical Bath Deposition Technique. <i>Acta Physica Polonica A</i> , 2017, 131, 534-539.	0.5	12
79	Review-Recent Advances of Carbon-Based Nanocomposites as the Anode Materials for Lithium-Ion Batteries: Synthesis and Performance. <i>Journal of the Electrochemical Society</i> , 2021, 168, 110520.	2.9	12
80	The synthesis of $\text{Fe}_3\text{O}_4/\text{MWCNT}$ nanocomposites from local iron sands for electrochemical sensors. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	11
81	Photocatalytic degradation of methylene blue dye on reticulated vitreous carbon decorated with electrophoretically deposited $\text{TiO}_2$ nanotubes. <i>Diamond and Related Materials</i> , 2020, 109, 108001.	3.9	11
82	Significant role of thorny surface morphology of polyaniline on adsorption of triiodide ions towards counter electrode in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2021, 45, 5958-5970.	2.8	11
83	Synthesis of Magnetite ( $\text{Fe}_3\text{O}_4$ ) Nanoparticles from Iron sands by Co-precipitation - Ultrasonic Irradiation Methods. <i>Journal of Materials and Environmental Science</i> , 2018, 9, 155-160.	0.5	11
84	The Effect of Tin Addition to ZnO Nanosheet Thin Films for Ethanol and Isopropyl Alcohol Sensor Applications. <i>Journal of Engineering and Technological Sciences</i> , 2015, 47, 76-91.	0.6	11
85	CO Gas-Induced Resonance Frequency Shift of ZnO-Functionalized Microcantilever in Humid Air. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-7.	2.7	10
86	Mesoporous Alumina-Titania Composites with Enhanced Molybdenum Adsorption towards Medical Radioisotope Production. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 502-507.	3.2	10
87	Solution-processed pure $\text{Cu}_2\text{ZnSnS}_4/\text{CdS}$ thin film solar cell with 7.5% efficiency. <i>Optical Materials</i> , 2021, 114, 110947.	3.6	10
88	Fabrication of ZnO nanorod using spray-pyrolysis and chemical bath deposition method. , 2014, , .		9
89	Photovoltaic and EIS Performance of $\text{SnO}_2/\text{SWCNTs}$ Based Sensitized Solar Cell. <i>Procedia Engineering</i> , 2017, 170, 1-7.	1.2	9
90	Enhanced NO Gas Performance of (002)-Oriented Zinc Oxide Nanostructure Thin Films. <i>IEEE Access</i> , 2019, 7, 155446-155454.	4.2	9

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91	Effects of Li and Cu dopants on the crystal structure of Ba <sub>0.65</sub> Sr <sub>0.35</sub> TiO <sub>3</sub> thin films. <i>Ferroelectrics, Letters Section</i> , 2018, 45, 49-57.	1.0	8
92	Etching process optimization of non-vacuum fabricated Cu <sub>2</sub> ZnSnS <sub>4</sub> solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3674-3680.	2.2	8
93	Analytical Methods for Determination of Non-Nutritive Sweeteners in Foodstuffs. <i>Molecules</i> , 2021, 26, 3135.	3.8	8
94	Modifications of Multi-Walled Carbon Nanotubes on Zinc Oxide Nanostructures for Carbon Monoxide (CO) Gas Sensitive Layer. <i>Advanced Materials Research</i> , 2013, 789, 12-15.	0.3	7
95	State of charge (SoC) estimation of LiFePO <sub>4</sub> battery module using support vector regression. , 2015, , .		7
96	Fabrication of ZnO/Au/prism-based surface plasmon resonance device for gas detection. , 2015, , .		7
97	Nanocomposite of graphene and WO <sub>3</sub> nanowires for carbon monoxide sensors. <i>Nanocomposites</i> , 2021, 7, 225-236.	4.2	7
98	Synthesis of SnO <sub>2</sub> Nanostructure Thin Film and its Prospective as Gas Sensors. <i>Advanced Materials Research</i> , 2013, 789, 189-192.	0.3	6
99	Effect of nickel in TiO <sub>2</sub> -SiO <sub>2</sub> -GO-based DSSC by using a sol-gel method. <i>Ionics</i> , 2018, 24, 3271-3280.	2.4	6
100	Energy Consumption Simulation and Analysis of Rear-Driven Electric Bus with Regenerative Braking. , 2019, , .		6
101	Application of barium strontium titanate (BST) as a light sensor on led lights. <i>Ferroelectrics</i> , 2020, 554, 160-171.	0.6	6
102	Application of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> (Bst) Film Doped with 0%, 2%, 4% and 6% Concentrations of RuO <sub>2</sub> as an Arduino Nano-Based Bad Breath Sensor. <i>Chemosensors</i> , 2020, 8, 3.	3.6	6
103	A graphene-modified Co-BDC metal-organic frameworks (Co-MOF) for electrochemical non-enzymatic glucose sensing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1045, 012010.	0.6	6
104	Synthesis and Characterization of Nanocomposites Tin Oxide-Graphene Doping Pd Using Polyol Method. <i>Indonesian Journal of Chemistry</i> , 2018, 18, 344.	0.8	6
105	Influence of structural and chemical properties on electron transport in mesoporous ZnO-based dye-sensitized solar cell. <i>Ionics</i> , 2015, 21, 251-261.	2.4	5
106	Donor-Modified Anthocyanin Dye-Sensitized Solar Cell with TiO <sub>2</sub> Nanoparticles: Density Functional Theory Investigation. <i>Materials Science Forum</i> , 2017, 889, 178-183.	0.3	5
107	Development of battery thermal management system for LiFeMnPO <sub>4</sub> module using air cooling method to minimize cell temperature differences and parasitic energy. , 2017, , .		5
108	Performance of dye sensitized solar cells (DSSC) using Syngonium Podophyllum Schott as natural dye and counter electrode. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	5

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109	Modified Working Electrode by Magnetite Nanocomposite for Electrochemical Sensor Application. IOP Conference Series: Materials Science and Engineering, 2018, 367, 012054.	0.6	5
110	Preparation of (002)-oriented ZnO for CO gas sensor. Materials Research Express, 2019, 6, 064003.	1.6	5
111	Performance Analysis of Energy Storage in Smart Microgrid Based on Historical Data of Individual Battery Temperature and Voltage Changes. Journal of Engineering and Technological Sciences, 2019, 51, 149.	0.6	5
112	On the Interaction between the Depth and Elevation of External Shading Devices in Tropical Daylit Classrooms with Symmetrical Bilateral Openings. Buildings, 2022, 12, 818.	3.1	5
113	Preparation of Tin Modified Silica Mesoporous Film. Studies in Surface Science and Catalysis, 2003, 146, 81-84.	1.5	4
114	Ground and excited state properties of high performance anthocyanidin dyes-sensitized solar cells in the basic solutions. AIP Conference Proceedings, 2015, , .	0.4	4
115	The Methanol Response Sensing Properties Using MWCNT-ZnO Composite. Advanced Materials Research, 2015, 1112, 116-119.	0.3	4
116	pH Influences on Optical Absorption of Anthocyanin from Black Rice as Sensitizer for Dye Sensitized Solar Cell TiO <sub>2</sub> Nanoparticles. Materials Science Forum, 2016, 864, 154-158.	0.3	4
117	Gamma radiation induced nickel oxide/reduced graphene oxide nanoflowers for improved dye-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2018, 29, 9643-9651.	2.2	4
118	Carbon Nanotube-Coated Thread as Sensor for Wearable Mechanomyography of Leg Muscles. , 2018, , .		4
119	Preliminary study on graphene/metal oxide nanoparticles-coated cotton fabrics for flexible gas sensor. AIP Conference Proceedings, 2018, , .	0.4	4
120	Synthesis and application of gas diffusion cathodes in an advanced type of undivided electrochemical cell. Scientific Reports, 2020, 10, 17267.	3.3	4
121	XRD characterization of Fe <sub>3</sub> O <sub>4</sub> -ZnO nanocomposite material by the hydrothermal method. AIP Conference Proceedings, 2020, , .	0.4	4
122	Application of thin film barium strontium titanate (BST) in a microcontroller based tool to measure oxygen saturation in blood. Ferroelectrics, 2020, 554, 134-143.	0.6	4
123	Oxidative Extractive Desulfurization System for Fuel Oil Using Acidic Eutectic-Based Ionic Liquid. Processes, 2021, 9, 1050.	2.8	4
124	Polyvinylpyrrolidone (PVP)-Assisted Solvothermal Synthesis of Mesoporous TiO <sub>2</sub> Nanoparticles as an Active Material for Enzymatic Electrochemical Glucose Sensor. Journal of the Electrochemical Society, 2021, 168, 117503.	2.9	4
125	Utilizing a Rapidly Exploring Random Tree for Hazardous Gas Exploration in a Large Unknown Area. IEEE Access, 2022, 10, 15336-15347.	4.2	4
126	Role of urea on the structural, textural, and optical properties of macroemulsion-assisted synthesized holey ZnO nanosheets for photocatalytic applications. New Journal of Chemistry, 2022, 46, 9897-9908.	2.8	4



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127	Trends in nanomaterial-based biosensors for viral detection. Nano Futures, 2022, 6, 022005.	2.2	4
128	Ferroelectric sensor Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> integrated with android smartphone for controlling and monitoring smart street lighting. Journal of King Saud University - Science, 2022, 34, 102180.	3.5	4
129	Preparation of Nanoporous TiO <sub>2</sub> for Dye-Sensitized Solar Cell (DSSC) Using Various Dyes. , 2010, , .		3
130	Synthesis and Characterization of SnO <sub>2</sub> Thin Films by Chemical Bath Deposition. , 2011, , .		3
131	Synthesis of Various Nanostructures ZnO and its Applications for Gas Sensors. Advanced Materials Research, 2012, 629, 302-308.	0.3	3
132	Charge Transfer Dynamics of Highly Efficient Cyanidin-3-O- Glucoside Sensitizer for Dye-Sensitized Solar Cells. Journal of Physics: Conference Series, 2016, 739, 012031.	0.4	3
133	Synthesis and Characterization of Tin Oxide-MultiWalled Carbon Nanotube Composite Material as Carbon Monoxide Gas Sensor. Materials Science Forum, 0, 947, 35-39.	0.3	3
134	The application of zinc oxide layer as ethylene sensor. IOP Conference Series: Materials Science and Engineering, 2019, 541, 012051.	0.6	3
135	Reverse micelle facilitated synthesis of nanostructured polyaniline as the counter electrode materials in dye-sensitized solar cells. Polymer-Plastics Technology and Materials, 2020, 59, 1350-1358.	1.3	3
136	Modified screen-printed electrode using graphene ink for electrochemical sensor application. Journal of Physics: Conference Series, 2021, 1912, 012022.	0.4	3
137	Reviewâ€”Nanopillar Structure in the Direction of Optical Biosensor On-Chip Integration. Journal of the Electrochemical Society, 2021, 168, 057505.	2.9	3
138	Comparison Direct Synthesis of Hyaluronic Acid-Based Carbon Nanodots as Dual Active Targeting and Imaging of HeLa Cancer Cells. ACS Omega, 2021, 6, 13300-13309.	3.5	3
139	Electrical and optical properties of Ga-doped ZnO thin films deposited by DC magnetron sputtering. Journal of Science and Applicative Technology, 2020, 4, 15.	0.2	3
140	Theoretical Impact of Building Façade Thickness on Daylight Metrics and Lighting Energy Demand in Buildings: A Case Study of the Tropics. Buildings, 2021, 11, 656.	3.1	3
141	Benzene sensors based on surface photo voltage of mesoporous organo-silica hybrid thin films. Studies in Surface Science and Catalysis, 2007, 165, 893-896.	1.5	2
142	Fabrication of LP Gas Leakage Detector Systems Based on Modified Nanostructured ZnO Thin Film. Advanced Materials Research, 2011, 364, 206-210.	0.3	2
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