Brian Yuliarto

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7498050/publications.pdf

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	A progress review on the modification of CZTS(e)-based thin-film solar cells. Journal of Industrial and Engineering Chemistry, 2022, 105, 83-110.	5.8	35
2	Borophene: Two-dimensional Boron Monolayer: Synthesis, Properties, and Potential Applications. Chemical Reviews, 2022, 122, 1000-1051.	47.7	106
3	Reviewâ€"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
4	Enhanced photovoltaic performance of various temperature TiO2-SiO2-Ni-GO dye-sensitized solar cells assembled with PAN gel electrolyte. Journal of Sol-Gel Science and Technology, 2022, 101, 269-278.	2.4	1
5	Smartphone-based digital image colorimetry for non-enzymatic detection of glucose using gold nanoparticles. Sensing and Bio-Sensing Research, 2022, 35, 100472.	4.2	14
6	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. Journal of Materials Chemistry A, 2022, 10, 6662-6678.	10.3	19
7	Utilizing a Rapidly Exploring Random Tree for Hazardous Gas Exploration in a Large Unknown Area. IEEE Access, 2022, 10, 15336-15347.	4.2	4
8	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
9	Fabrication of Recycled Polycarbonate Fibre for Thermal Signature Reduction in Camouflage Textiles. Polymers, 2022, 14, 1972.	4.5	2
10	Trends in nanomaterial-based biosensors for viral detection. Nano Futures, 2022, 6, 022005.	2.2	4
11	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
12	Ferroelectric sensor BaxSr1-xTiO3 integrated with android smartphone for controlling and monitoring smart street lighting. Journal of King Saud University - Science, 2022, 34, 102180.	3.5	4
13	Optimization of Phase Shift-Based Capacitive Sensor for Water Content Detection in Biodiesel. IEEE Sensors Journal, 2022, 22, 16131-16140.	4.7	1
14	Self-templated fabrication of hierarchical hollow manganese-cobalt phosphide yolk-shell spheres for enhanced oxygen evolution reaction. Chemical Engineering Journal, 2021, 405, 126580.	12.7	160
15	Nanoarchitectured porous organic polymers and their environmental applications for removal of toxic metal ions. Chemical Engineering Journal, 2021, 408, 127991.	12.7	65
16	Hydro thermal synthesis and electrochemical characterization of (V1/2Sb1/2Sn)O4 and (Fe1/2Sb1/2Sn)O4 as energy storage materials. AIP Conference Proceedings, 2021, , .	0.4	2
17	Mesoporous TiO₂-based architectures as promising sensing materials towards next-generation biosensing applications. Journal of Materials Chemistry B, 2021, 9, 1189-1207.	5.8	27
18	Nitrogen, phosphorus co-doped eave-like hierarchical porous carbon for efficient capacitive deionization. Journal of Materials Chemistry A, 2021, 9, 12807-12817.	10.3	79

#	Article	IF	Citations
19	Significant role of thorny surface morphology of polyaniline on adsorption of triiodide ions towards counter electrode in dye-sensitized solar cells. New Journal of Chemistry, 2021, 45, 5958-5970.	2.8	11
20	Amine-functionalized Cu-MOF nanospheres towards label-free hepatitis B surface antigen electrochemical immunosensors. Journal of Materials Chemistry B, 2021, 9, 5711-5721.	5.8	44
21	Reviewâ€"A Pollutant Gas Sensor Based On Fe₃O₄ Nanostructures: A Review. Journal of the Electrochemical Society, 2021, 168, 027510.	2.9	25
22	Mesoporous Alumina-Titania Composites with Enhanced Molybdenum Adsorption towards Medical Radioisotope Production. Bulletin of the Chemical Society of Japan, 2021, 94, 502-507.	3.2	10
23	A graphene-modified Co-BDC metal-organic frameworks (Co-MOF) for electrochemical non-enzymatic glucose sensing. IOP Conference Series: Materials Science and Engineering, 2021, 1045, 012010.	0.6	6
24	Effect of polyethylene glycol 6000 on the microstructure and magnetic properties of BaFe10.4Al1.6O19. Materials Research Express, 2021, 8, 036102.	1.6	1
25	Solution-processed pure Cu2ZnSnS4/CdS thin film solar cell with 7.5% efficiency. Optical Materials, 2021, 114, 110947.	3.6	10
26	Analytical Methods for Determination of Non-Nutritive Sweeteners in Foodstuffs. Molecules, 2021, 26, 3135.	3.8	8
27	Modified screen-printed electrode using graphene ink for electrochemical sensor application. Journal of Physics: Conference Series, 2021, 1912, 012022.	0.4	3
28	Reviewâ€"Nanopillar Structure in the Direction of Optical Biosensor On-Chip Integration. Journal of the Electrochemical Society, 2021, 168, 057505.	2.9	3
29	Reviewâ€"Recent Development of WO₃ for Toxic Gas Sensors Applications. Journal of the Electrochemical Society, 2021, 168, 107502.	2.9	26
30	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
31	Oxidative Extractive Desulfurization System for Fuel Oil Using Acidic Eutectic-Based Ionic Liquid. Processes, 2021, 9, 1050.	2.8	4
32	Nanoarchitectured Porous Conducting Polymers: From Controlled Synthesis to Advanced Applications. Advanced Materials, 2021, 33, e2007318.	21.0	68
33	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. Advanced Energy Materials, 2021, 11, 2101122.	19.5	39
34	Reverse micelle-mediated synthesis of plate-assembled hierarchical three-dimensional flower-like gamma-alumina particles. Microporous and Mesoporous Materials, 2021, 321, 111055.	4.4	16
35	Thermoelectrics: 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 (Adv. Energy Mater.) Tj ETQq1 1 0.784314 rgBT /Ov	19.5	2
36	Defect-Rich Hierarchical Porous UiO-66(Zr) for Tunable Phosphate Removal. Environmental Science & Technology, 2021, 55, 13209-13218.	10.0	27

#	Article	IF	Citations
37	Modification of Gold Substrate With Fe3O4-Graphene Nanocomposite to Increase Resolution of Surface Plasmon Resonance (SPR) Glucose Sensor. IEEE Sensors Journal, 2021, 21, 19959-19966.	4.7	1
38	Structural effect of ZnO-Ag chemoresistive sensor on flexible substrate for ethylene gas detection. Sensors and Actuators A: Physical, 2021, 331, 112934.	4.1	21
39	Functionalized multi-walled carbon nanotube/silver nanoparticle (f-MWCNT/AgNP) nanocomposites as non-enzymatic electrochemical biosensors for dopamine detection. Nanocomposites, 2021, 7, 97-108.	4.2	39
40	Advanced Strategies to Improve Performances of Molybdenum-Based Gas Sensors. Nano-Micro Letters, 2021, 13, 207.	27.0	43
41	Reviewâ€"Recent Advances of Carbon-Based Nanocomposites as the Anode Materials for Lithium-Ion Batteries: Synthesis and Performance. Journal of the Electrochemical Society, 2021, 168, 110520.	2.9	12
42	Polyvinylpyrrolidone (PVP)-Assisted Solvothermal Synthesis of Mesoporous TiO₂Nanoparticles as an Active Material for Enzymatic Electrochemical Glucose Sensor. Journal of the Electrochemical Society, 2021, 168, 117503.	2.9	4
43	Preliminary Studies of Fe(BDC) Metal-Organic Framework (MOF) as a Non-Enzymatic Glucose Detection. , 2021, , .		0
44	Modification of gold substrate with magnetite (Fe3O4) and graphene (Gr) composite as a surface plasmon resonance (SPR) biosensor based material. AIP Conference Proceedings, 2021, , .	0.4	0
45	Nanocomposite of graphene and WO₃ nanowires for carbon monoxide sensors. Nanocomposites, 2021, 7, 225-236.	4.2	7
46	Theoretical Impact of Building FaÃ§ade Thickness on Daylight Metrics and Lighting Energy Demand in Buildings: A Case Study of the Tropics. Buildings, 2021, 11, 656.	3.1	3
47	Holey Assembly of Twoâ€Dimensional Ironâ€Doped Nickelâ€Cobalt Layered Double Hydroxide Nanosheets for Energy Conversion Application. ChemSusChem, 2020, 13, 1645-1655.	6.8	104
48	Self-assembly of nickel phosphate-based nanotubes into two-dimensional crumpled sheet-like architectures for high-performance asymmetric supercapacitors. Nano Energy, 2020, 67, 104270.	16.0	187
49	Synthesis of ZnO Flakes on Flexible Substrate and Its Application on Ethylene Sensing at Room Temperature. Chemosensors, 2020, 8, 2.	3.6	19
50	Performance of the dye-sensitized quasi-solid state solar cell with combined anthocyanin-ruthenium photosensitizer. RSC Advances, 2020, 10, 36873-36886.	3.6	14
51	Synthesis and application of gas diffusion cathodes in an advanced type of undivided electrochemical cell. Scientific Reports, 2020, 10, 17267.	3.3	4
52	Self-Assembly of Two-Dimensional Bimetallic Nickelâ€"Cobalt Phosphate Nanoplates into One-Dimensional Porous Chainlike Architecture for Efficient Oxygen Evolution Reaction. Chemistry of Materials, 2020, 32, 7005-7018.	6.7	142
53	Sonochemical synthesis of magnetic Fe3O4/graphene nanocomposites for label-free electrochemical biosensors. Journal of Materials Science: Materials in Electronics, 2020, 31, 15381-15393.	2.2	17
54	Liquid Polymer Eutectic Mixture for Integrated Extractive-Oxidative Desulfurization of Fuel Oil: An Optimization Study via Response Surface Methodology. Processes, 2020, 8, 848.	2.8	17

#	Article	IF	Citations
55	Non-Enzymatic Electrochemical Detection for Uric Acid Based on a Glassy Carbon Electrode Modified With MOF-71. IEEE Sensors Journal, 2020, , 1-1.	4.7	15
56	Photocatalytic degradation of methylene blue dye on reticulated vitreous carbon decorated with electrophoretically deposited TiO2 nanotubes. Diamond and Related Materials, 2020, 109, 108001.	3.9	11
57	Hollow Zinc Oxide Microsphereâ€“Multiwalled Carbon Nanotube Composites for Selective Detection of Sulfur Dioxide. ACS Applied Nano Materials, 2020, 3, 8982-8996.	5.0	42
58	Metal-Organic-Framework FeBDC-Derived Fe3O4 for Non-Enzymatic Electrochemical Detection of Glucose. Sensors, 2020, 20, 4891.	3.8	36
59	Patterning of wormâ€like soft polydimethylsiloxane structures using a TiO 2 nanotubular array. Journal of Applied Polymer Science, 2020, 137, 49795.	2.6	2
60	Tunable Concave Surface Features of Mesoporous Palladium Nanocrystals Prepared from Supramolecular Micellar Templates. ACS Applied Materials & Interfaces, 2020, 12, 51357-51365.	8.0	16
61	General synthesis of hierarchical sheet/plate-like M-BDC (M = Cu, Mn, Ni, and Zr) metalâ€“organic frameworks for electrochemical non-enzymatic glucose sensing. Chemical Science, 2020, 11, 3644-3655.	7.4	205
62	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
63	Nanofluidic behavior of diatomic molecules in bicontinuous concentric lamellar (bcl) silica formed by polysiloxane sol-gel phase segregation as a reference in the mass transport through the open channel system. Polymer-Plastics Technology and Materials, 2020, 59, 1359-1369.	1.3	2
64	Application of barium strontium titanate (BST) as a light sensor on led lights. Ferroelectrics, 2020, 554, 160-171.	0.6	6
65	Wearable Carbon Monoxide Sensors Based on Hybrid Graphene/ZnO Nanocomposites. IEEE Access, 2020, 8, 49169-49179.	4.2	41
66	Reviewâ€”The Development of Wearable Polymer-Based Sensors: Perspectives. Journal of the Electrochemical Society, 2020, 167, 037566.	2.9	76
67	XRD characterization of Fe3O4-ZnO nanocomposite material by the hydrothermal method. AIP Conference Proceedings, 2020, , .	0.4	4
68	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
69	Tailorable nanoarchitecturing of bimetallic nickelâ€“cobalt hydrogen phosphate via the self-weaving of nanotubes for efficient oxygen evolution. Journal of Materials Chemistry A, 2020, 8, 3035-3047.	10.3	109
70	Etching process optimization of non-vacuum fabricated Cu2ZnSnS4 solar cell. Journal of Materials Science: Materials in Electronics, 2020, 31, 3674-3680.	2.2	8
71	Application of Ba0.5Sr0.5TiO3 (Bst) Film Doped with 0%, 2%, 4% and 6% Concentrations of RuO2 as an Arduino Nano-Based Bad Breath Sensor. Chemosensors, 2020, 8, 3.	3.6	6
72	MnFe2O4 nanoparticles/cellulose acetate composite nanofiber for controllable release of naproxen. Materials Chemistry and Physics, 2020, 250, 123055.	4.0	26

#	Article	IF	Citations
73	Reviewâ€"Recent Trend on Two-Dimensional Metal-Organic Frameworks for Electrochemical Biosensor Application. Journal of the Electrochemical Society, 2020, 167, 136509.	2.9	42
74	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
75	Hierarchical mesoscale assembly of PbO2 on 3D titanium felt/TiO2 nanotubular array electrode for anodic decolourisation of RB-5 dye. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2020, 11, 045003.	1.5	1
76	Preparation of Polycrystalline Silicon from Rice Husk by Thermal Decomposition and Aluminothermic Reduction. Molekul, 2020, 15, 26.	0.3	2
77	PbO2 decorated ZnO-TiO2 core-shell nanoflower structures by zinc anodising for photo- and anodic degradation of Reactive Black-5 dye. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2020, 11, 035018.	1.5	2
78	Micro-Raman analysis of Ba_{0.2}Sr_{0.8}TiO₃(barium strontium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	16
79	Enhanced NO Gas Performance of (002)-Oriented Zinc Oxide Nanostructure Thin Films. IEEE Access, 2019, 7, 155446-155454.	4.2	9
80	Green synthesis of metal oxide nanostructures using naturally occurring compounds for energy, environmental, and bio-related applications. New Journal of Chemistry, 2019, 43, 15846-15856.	2.8	72
81	Tailored Design of Mesoporous PdCu Nanospheres with Different Compositions Using Polymeric Micelles. ACS Applied Materials & Interfaces, 2019, 11, 36544-36552.	8.0	26
82	Self-sacrificial templated synthesis of a three-dimensional hierarchical macroporous honeycomb-like ZnO/ZnCo₂O₄ hybrid for carbon monoxide sensing. Journal of Materials Chemistry A, 2019, 7, 3415-3425.	10.3	66
83	High performance of a carbon monoxide sensor based on a Pd-doped graphene-tin oxide nanostructure composite. Ionics, 2019, 25, 4459-4468.	2.4	15
84	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
85	Preparation of (002)-oriented ZnO for CO gas sensor. Materials Research Express, 2019, 6, 064003.	1.6	5
86	Chemical Design of Palladiumâ€Based Nanoarchitectures for Catalytic Applications. Small, 2019, 15, e1804378.	10.0	90
87	Continuous mesoporous Pd films with tunable pore sizes through polymeric micelle-assisted assembly. Nanoscale Horizons, 2019, 4, 960-968.	8.0	26
88	Polymer nanocomposites having a high filler content: synthesis, structures, properties, and applications. Nanoscale, 2019, 11, 4653-4682.	5.6	161
89	Energy Consumption Simulation and Analysis of Rear-Driven Electric Bus with Regenerative Braking. , 2019, , .		6
90	Battery Temperature Rate of Change Estimation by Using Machine Learning. , 2019, , .		0

#	Article	IF	Citations
91	The application of zinc oxide layer as ethylene sensor. IOP Conference Series: Materials Science and Engineering, 2019, 541, 012051.	0.6	3
92	Biomoleculeâ€Assisted Synthesis of Hierarchical Multilayered Boehmite and Alumina Nanosheets for Enhanced Molybdenum Adsorption. Chemistry - A European Journal, 2019, 25, 4843-4855.	3.3	16
93	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
94	Effect of nickel in TiO2-SiO2-GO-based DSSC by using a sol-gel method. Ionics, 2018, 24, 3271-3280.	2.4	6
95	Application of lithium tantalate (LiTaO₃) 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
96	Fabrication Dye Sensitized Solar Cells (DSSCs) Using Î²-Carotene Pigment Based Natural Dye.. MATEC Web of Conferences, 2018, 159, 02052.	0.2	2
97	Green Synthesis of Magnetite Nanostructures from Naturally Available Iron Sands via Sonochemical Method. Bulletin of the Chemical Society of Japan, 2018, 91, 311-317.	3.2	13
98	Hybrid nanoarchitecturing of hierarchical zinc oxide wool-ball-like nanostructures with multi-walled carbon nanotubes for achieving sensitive and selective detection of sulfur dioxide. Sensors and Actuators B: Chemical, 2018, 261, 241-251.	7.8	57
99	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
100	Preparation of Grapheneâ€“Zinc Oxide Nanostructure Composite for Carbon Monoxide Gas Sensing. Journal of Electronic Materials, 2018, 47, 3647-3656.	2.2	13
101	Designing bipyridine-functionalized zirconium metalâ€“organic frameworks as a platform for clean energy and other emerging applications. Coordination Chemistry Reviews, 2018, 364, 33-50.	18.8	105
102	Effects of Li and Cu dopants on the crystal structure of Ba_{0.65}Sr_{0.35}TiO₃thin films. Ferroelectrics, Letters Section, 2018, 45, 49-57.	1.0	8
103	Synthesis Sensitive Layer of Ethylene Gas Sensor Based Tin Oxide Nanoparticles Using Water as Solvent In Precipitation Method. MATEC Web of Conferences, 2018, 159, 01060.	0.2	0
104	Carbon Nanotube-Coated Thread as Sensor for Wearable Mechanomyography of Leg Muscles. , 2018, , .		4
105	Preliminary study on graphene/metal oxide nanoparticles-coated cotton fabrics for flexible gas sensor. AIP Conference Proceedings, 2018, , .	0.4	4
106	Standing Mesochannels: Mesoporous PdCu Films with Vertically Aligned Mesochannels from Nonionic Micellar Solutions. ACS Applied Materials & Interfaces, 2018, 10, 40623-40630.	8.0	25
107	Performance of dye sensitized solar cells (DSSC) using Syngonium Podophyllum Schott as natural dye and counter electrode. AIP Conference Proceedings, 2018, , .	0.4	5
108	Combined spectroscopic and TDDFT study of single-double anthocyanins for application in dye-sensitized solar cells. New Journal of Chemistry, 2018, 42, 11616-11628.	2.8	17

#	Article	IF	Citations
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	The synthesis of Fe3O4/MWCNT nanocomposites from local iron sands for electrochemical sensors. AIP Conference Proceedings, 2018, , .	0.4	11
111	Synthesis and Characterization Hierarchical Three-Dimensional TiO₂ Structure via Hydrothermal Method. IOP Conference Series: Materials Science and Engineering, 2018, 367, 012052.	0.6	2
112	Synthesis and Characterization of Nanocomposites Tin Oxide-Graphene Doping Pd Using Polyol Method. Indonesian Journal of Chemistry, 2018, 18, 344.	0.8	6
113	Synthesis of Magnetite (Fe 3 O 4) Nanoparticles from Iron sands by Co - precipitation - U ltrasonic Irradiation Methods. Journal of Materials and Environmental Science, 2018, 9, 155-160.	0.5	11
114	Enhancement of SO2 gas sensing performance using ZnO nanorod thin films: the role of deposition time. Journal of Materials Science, 2017, 52, 4543-4554.	3.7	34
115	Multiwalled carbon nanotubesâ€“zinc oxide nanocomposites as low temperature toluene gas sensor. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	26
116	Optimization of Frequency and Stirring Rate for Synthesis of Magnetite (Fe 3 O 4) Nanoparticles by Using Coprecipitation- Ultrasonic Irradiation Methods. Procedia Engineering, 2017, 170, 55-59.	1.2	48
117	Structural and Morphological Analysis of Nanocomposite SnO₂-Graphene Synthesized by Sol-Gel Method. Materials Science Forum, 2017, 887, 32-40.	0.3	2
118	Selectivity of CO and NO adsorption on ZnO (0002) surfaces: A DFT investigation. Applied Surface Science, 2017, 410, 373-382.	6.1	40
119	Donor-Modified Anthocyanin Dye-Sensitized Solar Cell with TiO₂ Nanoparticles: Density Functional Theory Investigation. Materials Science Forum, 2017, 889, 178-183.	0.3	5
120	Photovoltaic and EIS Performance of SnO 2 /SWCNTS Based â€“ Sensitized Solar Cell. Procedia Engineering, 2017, 170, 1-7.	1.2	9
121	A combined spectroscopic and TDDFT study of natural dyes extracted from fruit peels of Citrus reticulata and Musa acuminata for dye-sensitized solar cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 112-125.	3.9	39
122	Preparation of MWCNT-Fe₃O₄ Nanocomposites from Iron Sand Using Sonochemical Route. IOP Conference Series: Materials Science and Engineering, 2017, 202, 012013.	0.6	23
123	High Performance Carbon Monoxide Sensor Based on Nano Composite of SnO₂-Graphene. IEEE Sensors Journal, 2017, 17, 8297-8305.	4.7	29
124	Synthesis of Zinc Oxide Nanoparticles using Anthocyanin as a Capping Agent. IOP Conference Series: Materials Science and Engineering, 2017, 202, 012070.	0.6	2
125	Development of battery thermal management system for LiFeMnPO4 module using air cooling method to minimize cell temperature differences and parasitic energy. , 2017, , .		5
126	CO Gas-Induced Resonance Frequency Shift of ZnO-Functionalized Microcantilever in Humid Air. Journal of Nanomaterials, 2017, 2017, 1-7.	2.7	10

#	Article	IF	Citations
127	Preparation of SnO₂ Thin Film Nanostructure for CO Gas Sensor Using Ultrasonic Spray Pyrolysis and Chemical Bath Deposition Technique. Acta Physica Polonica A, 2017, 131, 534-539.	0.5	12
128	Density functional study of adsorptions of CO₂, NO₂and SO₂molecules on Zn(0002) surfaces. Journal of Physics: Conference Series, 2016, 739, 012080.	0.4	16
129	pH Influences on Optical Absorption of Anthocyanin from Black Rice as Sensitizer for Dye Sensitized Solar Cell TiO₂ Nanoparticles. Materials Science Forum, 2016, 864, 154-158.	0.3	4
130	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
131	CO gas response of ZnO nanostructures using microcantilever in dynamic mode operation. , 2016, , .		1
132	Influence of anthocyanin co-pigment on electron transport and performance in black rice dye-sensitized solar cell. Ionics, 2016, 22, 1687-1697.	2.4	15
133	Reviewâ€"The Development of Gas Sensor Based on Carbon Nanotubes. Journal of the Electrochemical Society, 2016, 163, B97-B106.	2.9	51
134	State of charge (SoC) estimation of LiFePO4 battery module using support vector regression. , 2015, , .		7
135	Ground and excited state properties of high performance anthocyanidin dyes-sensitized solar cells in the basic solutions. AIP Conference Proceedings, 2015, , .	0.4	4
136	SnO₂Nanostructure as Pollutant Gas Sensors: Synthesis, Sensing Performances, and Mechanism. Advances in Materials Science and Engineering, 2015, 2015, 1-14.	1.8	57
137	Fabrication of ZnO/Au/prism-based surface plasmon resonance device for gas detection. , 2015, , .		7
138	Growth of zinc oxide sensitive layer on microcantilever surface for gas sensor application. , 2015, , .		2
139	The Methanol Response Sensing Properties Using MWCNT-ZnO Composite. Advanced Materials Research, 2015, 1112, 116-119.	0.3	4
140	Improved Performances of Ethanol Sensor Fabricated on Al-Doped ZnO Nanosheet Thin Films. IEEE Sensors Journal, 2015, 15, 4114-4120.	4.7	28
141	Influence of structural and chemical properties on electron transport in mesoporous ZnO-based dye-sensitized solar cell. Ionics, 2015, 21, 251-261.	2.4	5
142	The Effect of Tin Addition to ZnO Nanosheet Thin Films for Ethanol and Isopropyl Alcohol Sensor Applications. Journal of Engineering and Technological Sciences, 2015, 47, 76-91.	0.6	11
143	Series-Interconnected Plastic Dye-Sensitized Solar Cells Prepared by Low- Temperature Binder-Free Titania Paste. Makara Journal of Technology, 2014, 18, 96.	0.3	1
144	Fabrication of ZnO nanorod using spray-pyrolysis and chemical bath deposition method. , 2014, , .		9

#	Article	IF	Citations
145	Synthesis and Harmful Gas Sensing Properties of Zinc Oxide Modified Multi-Walled Carbon Nanotubes Composites. Advanced Materials Research, 2014, 1044-1045, 172-175.	0.3	2
146	Development of battery management system for cell monitoring and protection. , 2014, , .		35
147	A Light Harvesting Antenna Using Natural Extract Graminoids Coupled with Plasmonic Metal Nanoparticles for Bioâ€Photovoltaic Cells. Advanced Energy Materials, 2014, 4, 1400470.	19.5	20
148	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
149	Fabrications of volatile organic compound detector systems based on semiconductor materials SnO<inf>2</inf> nanostructure. , 2013, , .		0
150	Modifications of Multi-Walled Carbon Nanotubes on Zinc Oxide Nanostructures for Carbon Monoxide (CO) Gas Sensitive Layer. Advanced Materials Research, 2013, 789, 12-15.	0.3	7
151	Synthesis of SnO₂ Nanostructure Thin Film and its Prospective as Gas Sensors. Advanced Materials Research, 2013, 789, 189-192.	0.3	6
152	Design and fabrication of real time air quality monitoring system based on web application. , 2013, , .		2
153	Synthesis of Various Nanostructures ZnO and its Applications for Gas Sensors. Advanced Materials Research, 2012, 629, 302-308.	0.3	3
154	Ethanol Sensing Properties of Nanosheets ZnO Thin Films Prepared by Chemical Bath Deposition. , 2011, , .		1
155	Synthesis and Characterization of SnO2 Thin Films by Chemical Bath Deposition. , 2011, , .		3
156	Al-doped ZnO Thin Films for Ethanol Sensors. AIP Conference Proceedings, 2011, , .	0.4	1
157	Fabrication of LP Gas Leakage Detector Systems Based on Modified Nanostructured ZnO Thin Film. Advanced Materials Research, 2011, 364, 206-210.	0.3	2
158	Synthesis of metal oxide nanostructure and its characterization as gas pollutant monitoring. WIT Transactions on Ecology and the Environment, 2011, , .	0.0	0
159	Synthesis of Nanoporous TiO₂and 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
160	FABRICATION OF ZINC OXIDE-BASED DYE-SENSITIZED SOLAR CELL BY CHEMICAL BATH DEPOSITION. Functional Materials Letters, 2010, 03, 303-307.	1.2	24
161	Preparation of Nanoporous TiO[sub 2] for Dye-Sensitized Solar Cell (DSSC) Using Various Dyes. , 2010, , .		3
162	Fabrication and Characterization of Nanostructure Zinc Oxide for LP Gas Sensor. , 2010, , .		0

#	Article	IF	Citations
163	Synthesis of Various Nanopatterns of ZnO Thin Film Using Sol Gel Method. , 2010, , .		0
164	Proton conductivity of CsH[sub 2]PO[sub 4]â—WPA composites at intermediate temperatures. , 2010, , .		1
165	Preparation of surface photovoltage VOC detector. , 2009, , .		0
166	Enhanced benzene selectivity of mesoporous silica SPV sensors by incorporating phenylene groups in the silica framework. Sensors and Actuators B: Chemical, 2009, 138, 417-421.	7.8	30
167	Synthesis of nanoflake ZnO. , 2008, , .		0
168	Preparation of Self-assembly Mesoporous TiO[sub 2] Using Block Copolymer Pluronic PE6200 Template. AIP Conference Proceedings, 2008, , .	0.4	0
169	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
170	Preparation of room temperature NO2 gas sensors based on W- and V-modified mesoporous MCM-41 thin films employing surface photovoltage technique. Sensors and Actuators B: Chemical, 2006, 114, 109-119.	7.8	39
171	Synthesis of a Surface Photovoltage Sensor Using Self-Ordered Tin-Modified MCM-41 Films: Enhanced NO2 Gas Sensing. ChemPhysChem, 2004, 5, 261-265.	2.1	20
172	Effect of Tin Addition on Mesoporous Silica Thin Film and Its Application for Surface Photovoltage NO2Gas Sensor. Analytical Chemistry, 2004, 76, 6719-6726.	6.5	55
173	Preparation of Tin Modified Silica Mesoporous Film. Studies in Surface Science and Catalysis, 2003, 146, 81-84.	1.5	4
174	The SPV NO2Gas Sensor Fabricated by Mesoporous Tin Oxide Film. Chemistry Letters, 2003, 32, 510-511.	1.3	18
175	Performance of Natural Carotenoids from <i>Musa aromatica</i> and <i>Citrus medic</i>a var Lemon as Photosensitizers for Dye-Sensitized Solar Cells with TiO₂ Nanoparticle. Advanced Materials Research, 0, 789, 167-170.	0.3	13
176	Theoretical Investigation of Anthocyanidin Aglycones as Photosensitizers for Dye-Sensitized TiO₂ Solar Cells. Advanced Materials Research, 0, 1112, 317-320.	0.3	16
177	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
178	Characterization of polyanilineâ€“Agâ€“rGO nanocomposites for saprophytic and pathogenic Leptospira bacteria detection in water. Polymer Bulletin, 0, , .	3.3	0