

Ruri Agung Wahyuono

List of Publications by Year in descending order

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papers

461
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623734

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42
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42
docs citations

42
times ranked

574
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#	ARTICLE	IF	CITATIONS
1	New approaches in component design for dye-sensitized solar cells. <i>Sustainable Energy and Fuels</i> , 2021, 5, 367-383.	4.9	32
2	Wollastonite (CaSiO ₃)-based Composite Particles for Synthetic Food Dyes (Brilliant Blue) Removal in Aquatic Media: Synthesis, Characterization and Kinetic study. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1053, 012001.	0.6	5
3	Wafer-scale transfer route for top-down III-nitride nanowire LED arrays based on the femtosecond laser lift-off technique. <i>Microsystems and Nanoengineering</i> , 2021, 7, 32.	7.0	27
4	Localizing the initial excitation – A case study on NiO photocathodes using Ruthenium dipyridophenazine complexes as sensitizers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 252, 119507.	3.9	1
5	Au-doped mesoporous SiO ₂ scattering layer enhances light harvesting in quasi Solid-State dye-sensitized solar cells. <i>Journal of King Saud University, Engineering Sciences</i> , 2021, , .	2.0	1
6	Kinetic Studies of Methylene Blue Degradation using CaTiO ₃ Photocatalyst from Chicken Eggshells. <i>Journal of Physics: Conference Series</i> , 2021, 1726, 012017.	0.4	6
7	Microplastic Contamination in the Human Gastrointestinal Tract and Daily Consumables Associated with an Indonesian Farming Community. <i>Sustainability</i> , 2021, 13, 12840.	3.2	37
8	Hierarchically 3-D Porous Structure of Silk Fibroin-Based Biocomposite Adsorbent for Water Pollutant Removal. <i>Environments - MDPI</i> , 2021, 8, 127.	3.3	5
9	Microplastic Contamination in Human Stools, Foods, and Drinking Water Associated with Indonesian Coastal Population. <i>Environments - MDPI</i> , 2021, 8, 138.	3.3	42
10	Probing the dye-semiconductor interface in dye-sensitized NiO solar cells. <i>Journal of Chemical Physics</i> , 2020, 153, 184704.	3.0	16
11	Experimental data of CaTiO ₃ photocatalyst for degradation of organic pollutants (Brilliant green) Tj ETQq1 1 0.784314 rgBT /Overlock 17	1.0	17
12	Structure of Diethylphosphonic Acid Anchoring Group Affects the Charge-Separated State on an Iridium(III) Complex Functionalized NiO Surface. <i>ChemPhotoChem</i> , 2020, 4, 618-629.	3.0	8
13	Hydrological Model and GIS-Based Estimation of Hydropower and Solar Energy Potential in Patimban Area, Indonesia. <i>E3S Web of Conferences</i> , 2020, 190, 00025.	0.5	3
14	FOTODEGRADASI ZAT PEWARNA TEKSTIL (RHODAMIN B) MENGGUNAKAN ADSORBEN BERBASIS MATERIAL KOMPOSIT KALSIMUM TITANATE (CATIO ₃). <i>Jurnal Teknik Kimia</i> , 2020, 14, .	0.1	3
15	Polyol Modification of PEDOT: PSS as Hole Transport Material Affects the Performance and Stability of Calcium Titanate (CaTiO ₃) Solar Cell and UV Photodetector. <i>E3S Web of Conferences</i> , 2020, 190, 00023.	0.5	0
16	Paper-Based Biosensor for Glucose and Paracetamol Sensing using Chitosan/ Graphene Oxide Modified Electrode. <i>International Journal of Drug Delivery Technology</i> , 2020, 10, 295-300.	0.1	1
17	Large Area Graphene Deposition on Hydrophobic Surfaces, Flexible Textiles, Glass Fibers and 3D Structures. <i>Coatings</i> , 2019, 9, 183.	2.6	16
18	Grid-connected and off-grid solar PV system design using long-term climatological data and techno-economic analysis for ecological conservation. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3

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19	Nanostructured Cu ₂ O Synthesized via Bipolar Electrochemistry. <i>Nanomaterials</i> , 2019, 9, 1781.	4.1	6
20	Self-Assembled Graphene/MWCNT Bilayers as Platinum-Free Counter Electrode in Dye-Sensitized Solar Cells. <i>ChemPhysChem</i> , 2019, 20, 3336-3345.	2.1	25
21	Structure of Ni(OH) ₂ intermediates determines the efficiency of NiO-based photocathodes – a case study using novel mesoporous NiO nanostars. <i>RSC Advances</i> , 2019, 9, 39422-39433.	3.6	3
22	Enhanced Sensitivity of Electrochemical Biosensor on Microfluidic Paper Based Analytical Device Using ZnO/MWCNTS Nanocomposite. <i>International Journal of Drug Delivery Technology</i> , 2019, 9, .	0.1	0
23	Mesoporous WO ₃ /TiO ₂ Nanocomposites Photocatalyst for Rapid Degradation of Methylene Blue in Aqueous Medium. <i>International Journal of Engineering, Transactions A: Basics</i> , 2019, 32, .	0.4	0
24	Blood plasma separation in ZnO nanoflowers-supported paper based microfluidic for glucose sensing. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
25	Revisiting Renewable Energy Map in Indonesia: Seasonal Hydro and Solar Energy Potential for Rural Off-Grid Electrification (Provincial Level). <i>MATEC Web of Conferences</i> , 2018, 164, 01040.	0.2	8
26	Aqueous Photocurrent Measurements Correlated to Ultrafast Electron Transfer Dynamics at Ruthenium Tris Diimine Sensitized NiO Photocathodes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5891-5904.	3.1	33
27	Effect of annealing on the sub-bandgap, defects and trapping states of ZnO nanostructures. <i>Chemical Physics</i> , 2017, 483-484, 112-121.	1.9	25
28	Impact of drying procedure on the morphology and structure of TiO ₂ xerogels and the performance of dye sensitized solar cells. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 693-703.	2.4	12
29	In Vitro Lipophilic Antioxidant Capacity, Antidiabetic and Antibacterial Activity of Citrus Fruits Extracts from Aceh, Indonesia. <i>Antioxidants</i> , 2017, 6, 11.	5.1	29
30	Integrated ZnO nanoparticles on paper-based microfluidic: toward efficient analytical device for glucose detection based on impedance and FTIR measurement. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
31	ZnO nanoflowers-based photoanodes: aqueous chemical synthesis, microstructure and optical properties. <i>Open Chemistry</i> , 2016, 14, 158-169.	1.9	32
32	Carotenoids of indigenous citrus species from Aceh and its in vitro antioxidant, antidiabetic and antibacterial activities. <i>European Food Research and Technology</i> , 2016, 242, 1869-1881.	3.3	19
33	ZnO Nanostructures for Dye-Sensitized Solar Cells Using the TEMPO ⁺ /TEMPO Redox Mediator and Ruthenium(II) Photosensitizers with 1,2,3-Triazole-Derived Ligands. <i>ChemPlusChem</i> , 2016, 81, 1281-1291.	2.8	16
34	Modeling and experiment of dye-sensitized solar cell with vertically aligned ZnO nanorods through chemical bath deposition. , 2015, , .		2
35	Feasibility Study on the Production of Bioethanol from Tapioca Solid Waste to Meet the National Demand of Biofuel. <i>Energy Procedia</i> , 2015, 65, 324-330.	1.8	10
36	Photoelectrochemical performance of DSSC with monodisperse and polydisperse ZnO SPs. , 2014, , .		5

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37	Effects of nano anatase-rutile TiO ₂ volume fraction with natural dye containing anthocyanin on the dye sensitized solar cell performance. AIP Conference Proceedings, 2013, , .	0.4	1
38	Quasi-Solid State DSSC Performance Enhancement by Bilayer Mesoporous TiO ₂ Structure Modification. Advanced Materials Research, 2013, 789, 93-96.	0.3	4
39	Designing of expert system for troubleshooting diagnosis on Gas Chromatography GC-2010 by means of inference method. , 2011, , .		0
40	The Effect of Paste Preparation and Annealing Temperature of ZnO Photoelectrode to Dye-Sensitized Solar Cells (DSSC) Performance. Advanced Materials Research, 0, 896, 183-186.	0.3	1
41	Evolution of ZnO Nanoflower-Like Structure Formation and Growth during Synthesis and Paste Preparation. Advanced Materials Research, 0, 1123, 219-222.	0.3	4