

Sayekti Wahyuningsih

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

339
citations

10
h-index

16
g-index

72
ext. papers

490
ext. citations

1
avg, IF

3.9
L-index

#	Paper	IF	Citations
60	Electrochemical removal of methylene blue using alginate-modified graphene adsorbents. <i>Chemical Engineering Journal</i> , 2019 , 378, 122140	14.7	69
59	Enhanced electrochemical degradation of 4-Nitrophenol molecules using novel Ti/TiO ₂ -NiO electrodes. <i>Journal of Molecular Liquids</i> , 2019 , 289, 111108	6	37
58	The Effect of pH and Color Stability of Anthocyanin on Food Colorant. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 193, 012047	0.4	35
57	The co-pigmentation of anthocyanin isolated from mangosteen pericarp (<i>Garcinia Mangostana</i> L.) as Natural Dye for Dye- Sensitized Solar Cells (DSSC). <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 107, 012061	0.4	15
56	Preparation of nitrogen and sulphur Co-doped reduced graphene oxide (rGO-NS) using N and S heteroatom of thiourea. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 509, 012119	0.4	15
55	Visible light photoelectrocatalytic degradation of rhodamine B using a dye-sensitised TiO ₂ electrode. <i>Chemical Papers</i> , 2014 , 68,	1.9	15
54	Decomposition of Ilmenite in Hydrochloric Acid to Obtain High Grade Titanium Dioxide. <i>Asian Journal of Chemistry</i> , 2013 , 25, 6791-6794	0.4	12
53	ZnO wide bandgap semiconductors preparation for optoelectronic devices. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 176, 012008	0.4	11
52	Thin Film ZnO Coated on FTO/TiO ₂ as an Anti Reflection Coating for Enhancing Visible Light Harvesting in Dye Sensitized Solar Cells System. <i>Procedia Chemistry</i> , 2016 , 19, 632-637		11
51	Synthesis and Characterization of Al doped ZnO (AZO) by Sol-gel Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 176, 012049	0.4	10
50	Indigo Dye Derived from <i>Indigofera Tinctoria</i> as Natural Food Colorant. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 193, 012048	0.4	10
49	The photocatalytic degradation of methylene blue using graphene oxide (GO)/ZnO nanodrum 2018 ,		7
48	Synthesis of TiO ₂ nanorods from titania and titanyl sulfate produced from ilmenite dissolution by hydrothermal method. <i>Journal of Physics: Conference Series</i> , 2016 , 776, 012044	0.3	6
47	Preparation of Fe ₂ O ₃ /TiO ₂ /graphene oxide composite as visible light-driven photocatalytic in degradation of rhodamine B dyes. <i>Materials Research Express</i> , 2019 , 6, 126207	1.7	5
46	Photocatalytic Degradation of Methylene Blue Using TiO ₂ /Carbon Nanoparticles Fabricated by Electrical Arc Discharge in Liquid Medium. <i>Advanced Materials Research</i> , 2015 , 1123, 285-288	0.5	5
45	Methyl Violet Degradation Using Photocatalytic and Photoelectrocatalytic Processes Over Graphite/PbTiO ₃ Composite. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2018 , 13, 127	1.7	5
44	Design of a Fiber Optic Biosensor for Cholesterol Detection in Human Blood. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 176, 012014	0.4	4

43	Derivation and constants determination of the Freundlich and (fractal) Langmuir adsorption isotherms from kinetics. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 333, 012010	0.4	4
42	Enhanced Photovoltaic Performance by Surface Modification of TiO ₂ Nanorods with Aminopropyltrimethoxysilane (APTMS). <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 75, 012005	0.3	4
41	TiO ₂ Nanostructure Synthesized by Sol-Gel for Dye Sensitized Solar Cells as Renewable Energy Source. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 176, 012013	0.4	4
40	The Photocatalytic Activity of SiO ₂ -TiO ₂ /Graphite and Its Composite with Silver and Silver oxide. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2014 , 9,	1.7	4
39	Chitin/Alginate Biosorbent for Removal of Methylene Blue on Aqueous Solution in a Batch System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 333, 012052	0.4	3
38	Preparation of TiO ₂ nanorods as a coating material on Pt electrode for electrodegradation of methyl orange 2018 ,		3
37	Development of Refined Natural Resin based Cashew Nut Shell Oil Liquid (CNSL) for Brake Pads Composite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 176, 012051	0.4	2
36	The Influence of Cr ³⁺ on TiO ₂ Crystal Growth and Photoactivity Properties. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 333, 012023	0.4	2
35	The Effects of Leaching Process to the TiO ₂ Synthesis from Bangka Ilmenite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 333, 012049	0.4	2
34	Effect of sintering on transparent TiO ₂ 18NR-T type thin films as the working electrode for transparent solar cells. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 333, 012028	0.4	2
33	Development and Testing of a Plastic Optical Fiber Grating Biosensor for Detection of Glucose in the Blood. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 176, 012010	0.4	2
32	Photocatalytic and Photoelectrocatalytic Degradation of Methyl Orange Using Graphite/PbTiO ₃ Composite. <i>Indonesian Journal of Chemistry</i> , 2016 , 16, 347	1.5	2
31	Fabrication of TiO ₂ /Carbon Photocatalyst using Submerged DC Arc Discharged in Ethanol/Acetic Acid Medium. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012058	0.4	2
30	Influence Al doped ZnO nanostructure on structural and optical properties 2016 ,		2
29	The Influence of NiO Addition in TiO ₂ Structure and Its Photoactivity. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 333, 012032	0.4	2
28	The Influence of Fe ₂ O ₃ Addition on the TiO ₂ Structure and Photoactivity Properties. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 333, 012033	0.4	2
27	Phosphorus Elimination at Sodium Silicate from Quartz Sand Roasted with Complexation using Chitosan-EDTA. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 333, 012050	0.4	2
26	Recovery TiO ₂ by leaching process of carbothermic reduced Kalimantan ilmenite 2018 ,		2

25	Highly Visible Light Photodegradation of RhB as Synthetic Organic Dye Pollutant Over TiO ₂ -Modified Reduced Graphene Oxide. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> ,1	3.2	2
24	Dye-Sensitized Solar Cells (DSSCs) reengineering using TiO ₂ with natural dye (anthocyanin) 2017 ,		1
23	TiO ₂ Nanorods Preparation from Titanyl Sulphate Produced by Dissolution of Ilmenite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 176, 012042	0.4	1
22	Effect of pH CaCl ₂ solution on graphene oxide encapsulated alginate (GO-AL) for removing methylene blue dyes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 509, 012143	0.4	1
21	Synthesis of TiO ₂ NRs - ZnO Composite for Dye Sensitized Solar Cell Photoanodes. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 75, 012006	0.3	1
20	Synthesis of Anatase and Rutile TiO ₂ Crystals for High-Performance Dye-Sensitized Solar Cells. <i>Advanced Materials Research</i> , 2015 , 1105, 141-145	0.5	1
19	Alternative natural dyes in water purification: Anthocyanin as TiO ₂ -sensitizer in rhodamin B photoelectrodegradation 2015 ,		1
18	Preparation of xerogel SiO ₂ from roasted iron sand under various acidic solution. <i>Journal of Physics: Conference Series</i> , 2016 , 776, 012032	0.3	1
17	Preparation of Fe ₂ O ₃ /TiO ₂ composite from Bengkulu iron sand using sulphuric acid for Rhodamine B degradation 2016 ,		1
16	Preparation of Fe ₂ O ₃ -TiO ₂ composite from Sukabumi iron sand through magnetic separation, pyrometallurgy, and hydrometallurgy. <i>Journal of Physics: Conference Series</i> , 2016 , 776, 012026	0.3	1
15	Optimalization activity of ZnO NR/TiO ₂ NR-P3HT as an active layer based on hybrid bulk heterojunction on dye sensitized solar cell (DSSC) 2016 ,		1
14	Synthesis Route of ZnO Nanostructures in Basic Solution. <i>Materials Science Forum</i> , 2016 , 866, 156-160	0.4	1
13	Influence of Polyvinyl Alcohol (PVA) Addition on Silica Membrane Performance Prepared from Rice Straw. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 333, 012085	0.4	1
12	Modification of CuI based Hole Transport Material for Solid State DSSC Application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 333, 012029	0.4	1
11	Photocatalytic Degradation of Remazol Brilliant Blue R and Remazol Yellow FG using TiO ₂ doped Cd, Co, Mn. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2021 , 16, 804-815	1.7	1
10	Flow photocatalysis system-based functionalized graphene oxide-ZnO nanoflowers for degradation of a natural humic acid. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
9	A Study on Structure/Phase Transformation of TiO ₂ nanorods at Various Annealing Temperatures. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 75, 012002	0.3	0
8	Transformation growth of nanoflower-like GO-ZnO as an active site platform for H ₂ S sensors. <i>Chemical Physics Letters</i> , 2022 , 790, 139351	2.5	0

- 7 Preparation Titanium Dioxide Combined Hydrophobic Polymer with Photocatalytic Self-Cleaning Properties. *Bulletin of Chemical Reaction Engineering and Catalysis*, **2020**, 15, 874-884 1.7 0
- 6 The Effect of Growth Temperature and V/III Flux Ratio of MOCVD Antimony Based Semiconductors on Growth Rate and Surface Morphology. *MATEC Web of Conferences*, **2017**, 95, 01005 0.3
- 5 Flat Plate Solar Collector Characteristic with Shutter Glass Distance Variation and Collector Inclination Angle. *IOP Conference Series: Earth and Environmental Science*, **2017**, 75, 012022 0.3
- 4 Synthesis of Optode Thin Layer using Sol Gel Hybrid of Triethoxysiloxane monomer and 3-(Trimethoxysilyl) Propylamine with Ionophore 4-(2-Pyridilazo)-1,3-Benzenadiol (PAR). *IOP Conference Series: Materials Science and Engineering*, **2018**, 333, 012021 0.4
- 3 Development of inorganic composite material based TiO₂ for environmental application. *IOP Conference Series: Materials Science and Engineering*, **2016**, 107, 012019 0.4
- 2 Adsorption of lithium in the manganese hydroxide precipitation processes. *IOP Conference Series: Materials Science and Engineering*, **2019**, 478, 012011 0.4
- 1 Band-engineering of TiO₂ as a wide-band gap semiconductor using organic chromophore dyes. *IOP Conference Series: Earth and Environmental Science*, **2017**, 75, 012003 0.3