

Sayekti Wahyuningsih

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9207829/sayekti-wahyuningsih-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
59	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
58	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
57	Preparation Titanium Dioxide Combined Hydrophobic Polymer with Photocatalytic Self-Cleaning Properties. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2020 , 15, 874-884	1.7	0
56	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
55	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
54	Adsorption of lithium in the manganese hydroxide precipitation processes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 478, 012011	0.4	
53	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
52	Electrochemical removal of methylene blue using alginate-modified graphene adsorbents. <i>Chemical Engineering Journal</i> , 2019 , 378, 122140	14.7	69
51	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
50	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
49	Ekeratin/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
48	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). <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 333, 012021	0.4	
47	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
46	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
45	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
44	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

43	The photocatalytic degradation of methylene blue using graphene oxide (GO)/ZnO nanodrums 2018 ,		7
42	Preparation of TiO ₂ nanorods as a coating material on Pt electrode for electrodegradation of methyl orange 2018 ,		3
41	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
40	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
39	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
38	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
37	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
36	Recovery TiO ₂ by leaching process of carbothermic reduced Kalimantan ilmenite 2018 ,		2
35	Dye-Sensitized Solar Cells (DSSCs) reengineering using TiO ₂ with natural dye (anthocyanin) 2017 ,		1
34	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
33	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
32	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
31	The Effect of Growth Temperature and V/III Flux Ratio of MOCVD Antimony Based Semiconductors on Growth Rate and Surface Morphology. <i>MATEC Web of Conferences</i> , 2017 , 95, 01005	0.3	
30	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
29	Flat Plate Solar Collector Characteristic with Shutter Glass Distance Variation and Collector Inclination Angle. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 75, 012022	0.3	
28	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
27	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
26	Band-engineering of TiO ₂ as a wide-band gap semiconductor using organic chromophore dyes. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 75, 012003	0.3	

25	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
24	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
23	ZnO wide bandgap semiconductors preparation for optoelectronic devices. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 176, 012008	0.4	11
22	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
21	Indigo Dye Derived from Indigofera Tinctoria as Natural Food Colorant. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 193, 012048	0.4	10
20	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
19	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
18	Development of inorganic composite material based TiO ₂ for environmental application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 107, 012019	0.4	
17	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
16	Photocatalytic and Photoelectrocatalytic Degradation of Methyl Orange Using Graphite/PbTiO ₃ Composite. <i>Indonesian Journal of Chemistry</i> , 2016 , 16, 347	1.5	2
15	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
14	Preparation of Fe ₂ O ₃ /TiO ₂ composite from Bengkulu iron sand using sulphuric acid for Rhodamine B degradation 2016 ,		1
13	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
12	Influence Al doped ZnO nanostructure on structural and optical properties 2016 ,		2
11	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
10	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
9	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
8	Synthesis Route of ZnO Nanostructures in Basic Solution. <i>Materials Science Forum</i> , 2016 , 866, 156-160	0.4	1

7	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
6	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
5	Alternative natural dyes in water purification: Anthocyanin as TiO ₂ -sensitizer in rhodamin B photoelectrodegradation 2015 ,		1
4	Visible light photoelectrocatalytic degradation of rhodamine B using a dye-sensitised TiO ₂ electrode. <i>Chemical Papers</i> , 2014 , 68,	1.9	15
3	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
2	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
1	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