

# Yayuk Astuti

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

190  
citations

1163117

8  
h-index

1125743

13  
g-index

30  
all docs

30  
docs citations

30  
times ranked

113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrophobicity of silica thin films: The deconvolution and interpretation by Fourier-transform infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 199, 12-20.	3.9	40
2	Studying Impact of Different Precipitating Agents on Crystal Structure, Morphology and Photocatalytic Activity of Bismuth Oxide. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2017, 12, 478.	1.1	19
3	The Role of H <sub>2</sub> C <sub>2</sub> O <sub>4</sub> and Na <sub>2</sub> CO <sub>3</sub> as Precipitating Agents on The Physicochemical Properties and Photocatalytic Activity of Bismuth Oxide. <i>Open Chemistry</i> , 2020, 18, 129-137.	1.9	19
4	Bismuth Oxide Prepared by Sol-Gel Method: Variation of Physicochemical Characteristics and Photocatalytic Activity Due to Difference in Calcination Temperature. <i>Indonesian Journal of Chemistry</i> , 2020, 21, 108.	0.8	17
5	Effect of Fuels on the Physicochemical Properties and Photocatalytic Activity of Bismuth Oxide, Synthesized using Solution Combustion Method. <i>International Journal of Technology</i> , 2020, 11, 26.	0.8	15
6	Modification of the glass surface with hydrophobic silica thin layers using tetraethylorthosilicate (TEOS) and trimethylchlorosilane (TMCS) precursors. <i>Surface and Interface Analysis</i> , 2021, 53, 305-313.	1.8	14
7	Hydrazine and Urea Fueled-Solution Combustion Method for Bi <sub>2</sub> O <sub>3</sub> Synthesis: Characterization of Physicochemical Properties and Photocatalytic Activity. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2020, 15, 104-111.	1.1	14
8	French Fries-Like Bismuth Oxide: Physicochemical Properties, Electrical Conductivity and Photocatalytic Activity. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2022, 17, 146-156.	1.1	9
9	Use of Microwave Radiation for Activating Carbon from Rice Husk Using ZnCl <sub>2</sub> Activator. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2019, 22, 283-291.	0.4	5
10	Pengaruh Konsentrasi Ca <sup>2+</sup> dan (PO <sub>4</sub> ) <sup>3-</sup> pada Pembentukan Hidroksiapatit di dalam Matriks Selulosa Bakterial. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2006, 9, 60-64.	0.4	4
11	Utilization and Characterization of Oyster Shell as Chitosan and Nanochitosan. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2018, 21, 224-231.	0.4	4
12	The Effect of Ratio LiBOB:TiO <sub>2</sub> of Electrolyte Polymer Sheets as separators on the Electrochemical Performance of LTO-Based Lithium-Ion Batteries. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2019, 22, 136-142.	0.4	4
13	The Influence of Precipitating Agents on the Morphological and Photocatalytic Properties of Bismuth Oxide. <i>Advanced Science Letters</i> , 2017, 23, 6521-6523.	0.2	4
14	Pervaporation membrane for desalination derived from tetraethylorthosilicate-methyltriethoxysilane. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 101, 505-518.	2.4	4
15	Adsorption of HDTMA-Br surfactant with concentration variation by rice husk-based activated carbon produced by variation of carbonization temperature. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2018, 21, 171-174.	0.4	3
16	Photocatalytic Performance of Bismuth Oxide Prepared by Citric Acid-Fueled Solution Combustion on Decolorisation of Organic Dye Molecules. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 833, 012061.	0.6	3
17	Nano-Zeolite Modification Using Cetylpyridinium Bromide for the Removal of Remazol Black B and Remazol Yellow G Dyes. <i>Advanced Science Letters</i> , 2017, 23, 6502-6505.	0.2	2
18	Synthesis of Sodium Lauryl Sulfate (SLS) and Hexadecyltrimethylammonium Bromide (HDTMA-Br) Surfactant-Modified Activated Carbon as Adsorbent for Pb <sup>2+</sup> and NO <sub>3</sub> <sup>-</sup> . <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2020, 23, 396-402.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Pengaruh Variasi Waktu Hidrotermal terhadap Sintesis dan Karakterisasi Nanokristal Zeolit A dari Abu Sekam Padi. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2017, 20, 79-83.	0.4	1
20	Sintesis Zeolit dari Abu Sekam Padi menggunakan Metode Hidrotemal :Variasi Waktu dan Temperatur. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2017, 20, 58-61.	0.4	1
21	Influence of NH <sub>4</sub> OH concentration in synthesis of bismuth oxide to physicochemical properties and photocatalytic activity in methyl orange degradation. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
22	Synthesis of Zeolite from Bagasse and Rice Husk Ashes as Surfactant Builder on Detergency Process: Variation of NaOH Concentration for Silica Isolation. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2018, 21, 139-143.	0.4	1
23	Synthesis of Zeolite from Sugar Cane as Detergent Builder: Variation of Si/Al Ratio and Hydrothermal Time Synthesis of Zeolite from Sugar Cane as Detergent Builder: Variation of Si/Al Ratio and Hydrothermal Time. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2018, 21, 24-28.	0.4	1
24	Use of Microwave Radiation for Activating Carbon from Rice Husk Using ZnCl <sub>2</sub> Activator. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2019, 22, 282-291.	0.4	1
25	Activation of carbon from rice husk using chemical activating agents and physical treatments as sodium lauryl sulfate adsorbent. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
26	Pembuatan Karbon Aktif Termodifikasi Surfaktan Sodium Lauryl Sulphate (SMAC-SLS) dari Tempurung Kelapa Menggunakan Aktivator ZnCl <sub>2</sub> dan Gelombang Mikro Sebagai Adsorben Kation Pb(II). , 2021, 1, 1-6.		1
27	Pengaruh CoO dan TiO <sub>2</sub> terhadap Warna Glasir Porselen ZnO. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2017, 20, 95-98.	0.4	0
28	Zeolite and Charcoal as Potential Adsorbents in Tubs of Oxydation Ditch I and Oxydation Ditch II at Water Treatment and Composting Plant (WTCP) PT. Djarum Kudus. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2018, 21, 75-79.	0.4	0
29	Fly ash from Coal-Combustion Waste as an Additive for Quality Improvement and Compressive Strength of Cement. <i>Media Komunikasi Teknik Sipil</i> , 2021, 27, 127-134.	0.1	0
30	Modification of Activated Carbon from Rice Husk using Hexadecyltrimethylammonium Bromide (HDTMA-Br) Surfactant and ZnCl <sub>2</sub> activator and Microwaves for Nitrate Ion Adsorption. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2020, 23, 377-382.	0.4	0