

# Didik Prasetyoko

## List of Publications by Year in Descending Order

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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.

74  
papers

721  
citations

13  
h-index

24  
g-index

103  
ext. papers

998  
ext. citations

2.5  
avg, IF

4.3  
L-index

#	Paper	IF	Citations
74	Converting red mud wastes into mesoporous ZSM-5 decorated with TiO <sub>2</sub> as an eco-friendly and efficient adsorbent-photocatalyst for dyes removal. <i>Arabian Journal of Chemistry</i> , <b>2022</b> , 15, 103754	5.9	4
73	Uniform rod and spherical nanocrystalline celluloses from hydrolysis of industrial pepper waste ( <i>Piper nigrum</i> L.) using organic acid and inorganic acid.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 204, 593-593	7.9	1
72	Green Synthesis of Hexagonal Hematite (FeO) Flakes Using Pluronic F127-Gelatin Template for Adsorption and Photodegradation of Ibuprofen. <i>Materials</i> , <b>2021</b> , 14,	3.5	4
71	Utilization of red mud waste into mesoporous ZSM-5 for methylene blue adsorption-desorption studies. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 37354-37370	5.1	8
70	Understanding Pore Surface Modification of Sucrose-Modified Iron Oxide/Silica Mesoporous Composite for Degradation of Methylene Blue. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2021</b> , 16, 459-471	1.7	0
69	Facile synthesis of ZIF-8 nanoparticles using polar acetic acid solvent for enhanced adsorption of methylene blue. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 310, 110620	5.3	17
68	The effect of structure directing agents on micro/mesopore structures of aluminosilicates from Indonesian kaolin as deoxygenation catalysts. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 315, 110917	5.3	6
67	Hydrothermal assisted isolation of microcrystalline cellulose from pepper ( <i>Piper nigrum</i> L.) processing waste for making sustainable bio-composite. <i>Journal of Cleaner Production</i> , <b>2021</b> , 305, 127229	10.3	4
66	Mechanistic insight into low temperature toluene production via benzene methylation over mesopore-rich fibrous silica HZSM-5 zeolite. <i>Journal of Porous Materials</i> , <b>2021</b> , 28, 1765	2.4	2
65	Statistical Optimisation using Taguchi Method for Transesterification of Reutealis Trisperma Oil to Biodiesel on CaO-ZnO Catalysts. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2021</b> , 16, 686-695	1.7	0
64	Chitosan/UiO-66 composites as high-performance adsorbents for the removal of methyl orange in aqueous solution. <i>Materials Today Chemistry</i> , <b>2021</b> , 21, 100533	6.2	8
63	Enhanced CO methanation at mild temperature on Ni/zeolite from kaolin: effect of metal-support interface.. <i>RSC Advances</i> , <b>2021</b> , 11, 16376-16387	3.7	6
62	Lewis acid Ni/Al-MCM-41 catalysts for H-free deoxygenation of oil to biofuels.. <i>RSC Advances</i> , <b>2021</b> , 11, 21885-21896	3.7	3
61	Highly selective hierarchical ZSM-5 from kaolin for catalytic cracking of <i>Calophyllum inophyllum</i> oil to biofuel. <i>Journal of the Energy Institute</i> , <b>2020</b> , 93, 2238-2246	5.7	12
60	Optimization of Hydrothermal Temperature and Time Parameters in the Synthesis of Hierarchical ZSM-5 from Kaolin by Taguchi Method. <i>Materials Science Forum</i> , <b>2020</b> , 981, 104-111	0.4	0
59	A review on synthesis of kaolin-based zeolite and the effect of impurities. <i>Journal of the Chinese Chemical Society</i> , <b>2020</b> , 67, 911-936	1.5	10
58	Review on recent advances of carbon based adsorbent for methylene blue removal from waste water. <i>Materials Today Chemistry</i> , <b>2020</b> , 16, 100233	6.2	85

57	Size tunable mesoporous carbon microspheres using Pluronic F127 and gelatin as co-template for removal of ibuprofen. <i>Science of the Total Environment</i> , <b>2020</b> , 711, 135066	10.2	11
56	SYNTHESIS OF ZEOLITE NaY FROM DEALUMINATED METAKAOLIN AS Ni SUPPORT FOR CO <sub>2</sub> HYDROGENATION TO METHANE. <i>Clays and Clay Minerals</i> , <b>2020</b> , 68, 513-523	2.1	5
55	Synthesis zeolite y from kaolin bangka belitung: activation of metakaolin with various concentration of sulfuric acid. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1567, 032099	0.3	1
54	Effects of acidity on the mesoporous carbon CMK-3 structure during Ibuprofen molecule adsorption. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 509, 012072	0.4	
53	Drug loading-release behaviour of mesoporous materials SBA-15 and CMK-3 using ibuprofen molecule as drug model. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1153, 012065	0.3	1
52	Zirconium-Loaded Mesostructured Silica Nanoparticles Adsorbent for Removal of Hexavalent Chromium from Aqueous Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 704-712	3.9	8
51	Biodiesel Production from Reutealis Trisperma Oil Using KOH Impregnated Eggshell as a Heterogeneous Catalyst. <i>Energies</i> , <b>2019</b> , 12, 3714	3.1	9
50	Selective Hierarchical Aluminosilicates for Acetalization Reaction with Propylene Glycol. <i>Indonesian Journal of Chemistry</i> , <b>2019</b> , 19, 975	1.5	2
49	Direct Synthesis of Sodalite from Indonesian Kaolin for Adsorption of Pb <sup>2+</sup> Solution, Kinetics, and Isotherm Approach. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2019</b> , 14, 502	1.7	4
48	Development of CaO From Natural Calcite as a Heterogeneous Base Catalyst in the Formation of Biodiesel: Review. <i>Journal of Renewable Materials</i> , <b>2019</b> , 7, 915-939	2.4	14
47	Synthesis and Characterization of Ordered Mesoporous Carbon CMK-3 with a High Loading Capacity of Ibuprofen and its Release Performance at Simulated Body Fluid. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 617, 012001	0.4	
46	The Effect of Temperature in the Application Of Mesoporous Nanomaterials Based on Carbon in Drug Delivery System With Ibuprofen. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 662, 022081	0.4	
45	Understanding the adsorption of ionic liquids onto zeolite ZSM-5 from aqueous solution: experimental and computational modelling. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 24518-24526	3.6	4
44	Removal of ibuprofen from aqueous solutions by adsorption on tiny zinc oxide sheet-like structure <b>2019</b> ,		1
43	Synthesis and characterization of zeolite NaX from Bangka Belitung Kaolin as alternative precursor. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , <b>2018</b> , 14, 414-418	2.1	3
42	Alumina Extraction from Red Mud by Magnetic Separation. <i>Indonesian Journal of Chemistry</i> , <b>2018</b> , 18, 331	1.5	5
41	Direct Synthesis of Sodalite from Kaolin: The Influence of Alkalinity. <i>Indonesian Journal of Chemistry</i> , <b>2018</b> , 18, 607	1.5	6
40	Exploiting copper/zirconia cooperative interactions for the stabilization of tetragonal zirconia catalysts and enhancement of the visible-light photodegradation of bisphenol A. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 82, 322-330	5.3	29

39	Infrared Spectroscopic and Scanning Electron Microscopy Study of Ibuprofen Loading onto the Molecular Sieve Mesoporous Silica SBA-15 Material. <i>Oriental Journal of Chemistry</i> , <b>2018</b> , 34, 2631-2636	0.8	1
38	Effect of SrO content on Zeolite Structure. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 349, 012045	0.4	
37	Synthesis of mesoporous silica materials via dual templating method from starch of waste rice and their application for drug delivery system <b>2018</b> ,		1
36	Transesterification of croton megalocarpus oil to biodiesel over WO <sub>3</sub> supported on silica mesoporous-macroparticles catalyst. <i>Chemical Engineering Journal</i> , <b>2017</b> , 316, 882-892	14.7	23
35	Improving the quality of patchouli oil by adsorption process using surfactant modified of natural zeolite <b>2017</b> ,		1
34	Direct synthesis of ZSM-5 from kaolin and the influence of organic template. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , <b>2017</b> , 13,	2.1	2
33	Synthesis of SrO.SiO <sub>2</sub> Catalyst and Its Application in the Transesterification Reactions of Soybean Oil. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2017</b> , 12, 299	1.7	2
32	Esterification of Benzyl Alcohol with Acetic Acid over Mesoporous H-ZSM-5. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2017</b> , 12, 243	1.7	5
31	Direct Synthesis of Highly Crystalline ZSM-5 from Indonesian Kaolin. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2017</b> , 12, 251	1.7	4
30	The Effect of Mesoporous H-ZSM-5 Crystallinity as a CaO Support on the Transesterification of Used Cooking Oil. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2017</b> , 12, 329	1.7	6
29	Characterization of Mesoporous NaZSM-5 and K <sub>3</sub> PO <sub>4</sub> /NaZSM-5 from Adsorption and Desorption Isotherms. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 12025-12028	0.1	
28	Can kaolin function as source of alumina in the synthesis of ZSM-5 without an organic template using a seeding technique?. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , <b>2016</b> , 12,	2.1	2
27	Cyclic Acetalization of Furfural on Porous Aluminosilicate Acid Catalysts. <i>Indonesian Journal of Chemistry</i> , <b>2016</b> , 16, 289	1.5	6
26	Calcium Oxide from Limestone as Solid Base Catalyst in Transesterification of Reutealis trisperma Oil. <i>Indonesian Journal of Chemistry</i> , <b>2016</b> , 16, 208	1.5	9
25	Biodiesel Production from Waste Palm Oil Catalyzed by Hierarchical ZSM-5 Supported Calcium Oxide. <i>Indonesian Journal of Chemistry</i> , <b>2016</b> , 16, 98	1.5	5
24	THE USE OF THE COMBINATION OF FTIR, PYRIDINE ADSORPTION, 27Al AND 29Si MAS NMR TO DETERMINE THE BRONSTED AND LEWIS ACIDIC SITES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2016</b> , 78,	1.2	7
23	Synthesis of ZSM-5 Directly from Kaolin without Organic Template: Part-1: Effect of Crystallization Time. <i>Asian Journal of Chemistry</i> , <b>2016</b> , 28, 211-215	0.4	7
22	Three-step crystallization in synthesis of ZSM-5 without organic template <b>2016</b> ,		2

21	Surface modification of banana stem fibers via radiation induced grafting of poly(methacrylic acid) as an effective cation exchanger for Hg(II). <i>RSC Advances</i> , <b>2016</b> , 6, 34411-34421	3.7	8
20	Direct synthesis of mesoporous aluminosilicates from Indonesian kaolin clay without calcination. <i>Applied Clay Science</i> , <b>2015</b> , 118, 290-294	5.2	21
19	Grape-like mesostructured silica nanoparticle-decorated single-walled carbon nanotubes: silica growth and dye adsorptivity. <i>RSC Advances</i> , <b>2015</b> , 5, 71796-71804	3.7	4
18	The potential of Reutealis trisperma seed as a new non-edible source for biodiesel production. <i>Biomass Conversion and Biorefinery</i> , <b>2015</b> , 5, 347-353	2.3	19
17	Highly Active Aluminosilicates with a Hierarchical Porous Structure for Acetalization of 3,4-dimethoxybenzaldehyde. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2014</b> , 69,	1.2	1
16	Modification of Turen Bentonite with AlCl <sub>3</sub> for Esterification of Palmitic Acid. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2014</b> , 9,	1.7	3
15	Synthesis of CaOZnO Nanoparticles Catalyst and Its Application in Transesterification of Refined Palm Oil. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2014</b> , 9,	1.7	8
14	Influence of TiO <sub>2</sub> /TS-1 Calcination on Hydroxylation of Phenol. <i>Journal of Mathematical and Fundamental Sciences</i> , <b>2014</b> , 46, 76-90	1.7	3
13	Activities of Heterogeneous Acid-Base Catalysts for Fragrances Synthesis: A Review. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2013</b> , 8,	1.7	3
12	The effect of sodium silicate and sodium hydroxide on the strength of aggregates made from coal fly ash using the geopolymerisation method. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2012</b> , 7, 73-79	1.3	22
11	Phase Transformation of Rice Husk Ash in the Synthesis of ZSM-5 without Organic Template. <i>ITB Journal of Science</i> , <b>2012</b> , 44, 250-262		9
10	Tungsten Oxides-Containing Titanium Silicalite for Liquid Phase Epoxidation of 1-octene with Aqueous Hydrogen Peroxide. <i>Catalysis Letters</i> , <b>2009</b> , 128, 177-182	2.8	11
9	Characterization and Catalytic Performance of Niobic Acid Dispersed over Titanium Silicalite. <i>Advances in Materials Science and Engineering</i> , <b>2008</b> , 2008, 1-12	1.5	8
8	Conversion of rice husk ash to zeolite beta. <i>Waste Management</i> , <b>2006</b> , 26, 1173-9	8.6	125
7	TS-1 loaded with sulfated zirconia as bifunctional oxidative and acidic catalyst for transformation of 1-octene to 1,2-octanediol. <i>Journal of Molecular Catalysis A</i> , <b>2005</b> , 241, 118-125		18
6	Preparation and characterization of bifunctional oxidative and acidic catalysts Nb <sub>2</sub> O <sub>5</sub> /TS-1 for synthesis of diols. <i>Materials Chemistry and Physics</i> , <b>2005</b> , 93, 443-449	4.4	34
5	Enhancement of catalytic activity of titanosilicalite-1 - sulfated zirconia combination towards epoxidation of 1-octene with aqueous hydrogen peroxide. <i>Reaction Kinetics and Catalysis Letters</i> , <b>2005</b> , 86, 83-89		5
4	Sulfation: a simple method to enhance the catalytic activity of TS-1 in epoxidation of 1-octene with aqueous hydrogen peroxide. <i>Catalysis Communications</i> , <b>2004</b> , 5, 725-728	3.2	19

3	The characterization of mixed titanate $Ba_{1-x}Sr_xTiO_3$ phase formation from oxalate coprecipitated precursor. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 309-314	6	32
2	Upgrading catalytic activity of NiO/CaO/MgO from natural limestone as catalysts for transesterification of coconut oil to biodiesel. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	2
1	The development of triglyceride-based additives and their lubricity properties for low sulfur fossil diesel: A review. <i>Journal of Tribology</i> , 1-90	1.8	