Didik Prasetyoko

List of Publications by Year
in descending order

101	1,304	430874	434195
papers	citations	18 h-index	31 g-index

104	104	104	1316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review on recent advances of carbon based adsorbent for methylene blue removal from waste water. Materials Today Chemistry, 2020, 16, 100233.	3.5	181
2	Conversion of rice husk ash to zeolite beta. Waste Management, 2006, 26, 1173-1179.	7.4	147
3	Facile synthesis of ZIF-8 nanoparticles using polar acetic acid solvent for enhanced adsorption of methylene blue. Microporous and Mesoporous Materials, 2021, 310, 110620.	4.4	69
4	Preparation and characterization of bifunctional oxidative and acidic catalysts Nb2O5/TS-1 for synthesis of diols. Materials Chemistry and Physics, 2005, 93, 443-449.	4.0	41
5	Direct synthesis of mesoporous aluminosilicates from Indonesian kaolin clay without calcination. Applied Clay Science, 2015, 118, 290-294.	5.2	38
6	Exploiting copperâ€“silicaâ€“zirconia cooperative interactions for the stabilization of tetragonal zirconia catalysts and enhancement of the visible-light photodegradation of bisphenol A. Journal of the Taiwan Institute of Chemical Engineers, 2018, 82, 322-330.	5.3	38
7	The characterization of mixed titanate Ba1â^'xSrxTiO3 phase formation from oxalate coprecipitated precursor. Journal of the European Ceramic Society, 2000, 20, 309-314.	5.7	35
8	Transesterification of croton megalocarpus oil to biodiesel over WO 3 supported on silica mesoporous-macroparticles catalyst. Chemical Engineering Journal, 2017, 316, 882-892.	12.7	29
9	Sulfation: a simple method to enhance the catalytic activity of TS-1 in epoxidation of 1-octene with aqueous hydrogen peroxide. Catalysis Communications, 2004, 5, 725-728.	3.3	28
10	The effect of sodium silicate and sodium hydroxide on the strength of aggregates made from coal fly ash using the geopolymerisation method. Asia-Pacific Journal of Chemical Engineering, 2012, 7, 73-79.	1.5	28
11	Size tunable mesoporous carbon microspheres using Pluronic F127 and gelatin as co-template for removal of ibuprofen. Science of the Total Environment, 2020, 711, 135066.	8.0	28
12	A review on synthesis of kaolinâ€based zeolite and the effect of impurities. Journal of the Chinese Chemical Society, 2020, 67, 911-936.	1.4	28
13	Converting red mud wastes into mesoporous ZSM-5 decorated with TiO2 as an eco-friendly and efficient adsorbent-photocatalyst for dyes removal. Arabian Journal of Chemistry, 2022, 15, 103754.	4.9	28
14	Highly selective hierarchical ZSM-5 from kaolin for catalytic cracking of Calophyllum inophyllum oil to biofuel. Journal of the Energy Institute, 2020, 93, 2238-2246.	5.3	27
15	The potential of Reutealis trisperma seed as a new non-edible source for biodiesel production. Biomass Conversion and Biorefinery, 2015, 5, 347-353.	4.6	26
16	TS-1 loaded with sulfated zirconia as bifunctional oxidative and acidic catalyst for transformation of 1-octene to 1,2-octanediol. Journal of Molecular Catalysis A, 2005, 241, 118-125.	4.8	23
17	Utilization of red mud waste into mesoporous ZSM-5 for methylene blue adsorption-desorption studies. Environmental Science and Pollution Research, 2021, 28, 37354-37370.	5.3	23
18	Uniform rod and spherical nanocrystalline celluloses from hydrolysis of industrial pepper waste (Piper nigrum L.) using organic acid and inorganic acid. International Journal of Biological Macromolecules, 2022, 204, 593-605.	7.5	20

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19	Biodiesel Production from Reutealis Trisperma Oil Using KOH Impregnated Eggshell as a Heterogeneous Catalyst. Energies, 2019, 12, 3714.	3.1	19
20	Development of CaO From Natural Calcite as a Heterogeneous Base Catalyst in the Formation of Biodiesel: Review. Journal of Renewable Materials, 2019, 7, 915-939.	2.2	18
21	Hydrothermal assisted isolation of microcrystalline cellulose from pepper (Piper nigrum L.) processing waste for making sustainable bio-composite. Journal of Cleaner Production, 2021, 305, 127229.	9.3	18
22	Enhanced CO₂methanation at mild temperature on Ni/zeolite from kaolin: effect of metalâ€“support interface. RSC Advances, 2021, 11, 16376-16387.	3.6	18
23	Zirconium-Loaded Mesostructured Silica Nanoparticles Adsorbent for Removal of Hexavalent Chromium from Aqueous Solution. Industrial & Engineering Chemistry Research, 2019, 58, 704-712.	3.7	15
24	Green Synthesis of Hexagonal Hematite (Î±-Fe2O3) Flakes Using Pluronic F127-Gelatin Template for Adsorption and Photodegradation of Ibuprofen. Materials, 2021, 14, 6779.	2.9	15
25	Synthesis of ZSM-5 Directly from Kaolin without Organic Template: Part-1: Effect of Crystallization Time. Asian Journal of Chemistry, 2016, 28, 211-215.	0.3	14
26	Chitosan/UiO-66 composites as high-performance adsorbents for the removal of methyl orange in aqueous solution. Materials Today Chemistry, 2021, 21, 100533.	3.5	14
27	Tungsten Oxides-Containing Titanium Silicalite for Liquid Phase Epoxidation of 1-octene with Aqueous Hydrogen Peroxide. Catalysis Letters, 2009, 128, 177-182.	2.6	13
28	SYNTHESIS OF ZEOLITE NaY FROM DEALUMINATED METAKAOLIN AS Ni SUPPORT FOR CO2 HYDROGENATION TO METHANE. Clays and Clay Minerals, 2020, 68, 513-523.	1.3	13
29	The effect of structure directing agents on micro/mesopore structures of aluminosilicates from Indonesian kaolin as deoxygenation catalysts. Microporous and Mesoporous Materials, 2021, 315, 110917.	4.4	13
30	Lewis acid Ni/Al-MCM-41 catalysts for H₂-free deoxygenation of Reutealis trisperma oil to biofuels. RSC Advances, 2021, 11, 21885-21896.	3.6	13
31	Synthesis of CaOZnO Nanoparticles Catalyst and Its Application in Transesterification of Refined Palm Oil. Bulletin of Chemical Reaction Engineering and Catalysis, 2014, 9, .	1.1	12
32	Alumina Extraction from Red Mud by Magnetic Separation. Indonesian Journal of Chemistry, 2018, 18, 331.	0.8	11
33	Direct Synthesis of Sodalite from Kaolin: The Influence of Alkalinity. Indonesian Journal of Chemistry, 2018, 18, 607.	0.8	11
34	Calcium Oxide from Limestone as Solid Base Catalyst in Transesterification of <i>Reutealis trisperma</i> Oil. Indonesian Journal of Chemistry, 2016, 16, 208.	0.8	10
35	Phase Transformation of Rice Husk Ash in the Synthesis of ZSM-5 without Organic Template. ITB Journal of Science, 2012, 44, 250-262.	0.1	10
36	Enhancement of catalytic activity of titanosilicalite-1 - sulfated zirconia combination towards epoxidation of 1-octene with aqueous hydrogen peroxide. Reaction Kinetics and Catalysis Letters, 2005, 86, 83-89.	0.6	9

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37	Characterization and Catalytic Performance of Niobic Acid Dispersed over Titanium Silicalite. Advances in Materials Science and Engineering, 2008, 2008, 1-12.	1.8	9
38	THE USE OF THE COMBINATION OF FTIR, PYRIDINE ADSORPTION, 27Al AND 29Si MAS NMR TO DETERMINE THE BRÃ–NSTED AND LEWIS ACIDIC SITES. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	9
39	Understanding the adsorption of ionic liquids onto zeolite ZSM-5 from aqueous solution: experimental and computational modelling. Physical Chemistry Chemical Physics, 2019, 21, 24518-24526.	2.8	9
40	Upgrading catalytic activity of NiO/CaO/MgO from natural limestone as catalysts for transesterification of coconut oil to biodiesel. Biomass Conversion and Biorefinery, 2023, 13, 3001-3015.	4.6	9
41	The Effect of Mesoporous H-ZSM-5 Crystallinity as a CaO Support on the Transesterification of Used Cooking Oil. Bulletin of Chemical Reaction Engineering and Catalysis, 2017, 12, 329-336.	1.1	9
42	Controlling the Size and Porosity of Sodalite Nanoparticles from Indonesian Kaolin for Pb2+ Removal. Materials, 2022, 15, 2745.	2.9	9
43	Surface modification of banana stem fibers via radiation induced grafting of poly(methacrylic acid) as an effective cation exchanger for Hg(<scp>ii</scp>). RSC Advances, 2016, 6, 34411-34421.	3.6	8
44	Synthesis and characterization of zeolite NaX from Bangka Belitung Kaolin as alternative precursor. Malaysian Journal of Fundamental and Applied Sciences, 2018, 14, 414-418.	0.8	8
45	Cyclic Acetalization of Furfural on Porous Aluminosilicate Acid Catalysts. Indonesian Journal of Chemistry, 2016, 16, 289.	0.8	8
46	Biodiesel Production from Waste Palm Oil Catalyzed by Hierarchical ZSM-5 Supported Calcium Oxide. Indonesian Journal of Chemistry, 2016, 16, 98.	0.8	8
47	Enhanced photooxidative desulphurization of dibenzothiophene over fibrous silica tantalum: Influence of metal-disturbance electronic band structure. International Journal of Hydrogen Energy, 2023, 48, 6575-6585.	7.1	8
48	Activities of Heterogeneous Acid-Base Catalysts for Fragrances Synthesis: A Review. Bulletin of Chemical Reaction Engineering and Catalysis, 2013, 8, .	1.1	7
49	Grape-like mesostructured silica nanoparticle-decorated single-walled carbon nanotubes: silica growth and dye adsorptivity. RSC Advances, 2015, 5, 71796-71804.	3.6	7
50	Esterification of Benzyl Alcohol with Acetic Acid over Mesoporous H-ZSM-5. Bulletin of Chemical Reaction Engineering and Catalysis, 2017, 12, 243-250.	1.1	7
51	The impregnation of ZnO onto ZSM-5 derived from red mud for photocatalytic degradation of methylene blue. Sustainable Environment Research, 2022, 32, .	4.2	7
52	Modification of Turen Bentonite with AlCl3 for Esterification of Palmitic Acid. Bulletin of Chemical Reaction Engineering and Catalysis, 2014, 9, .	1.1	6
53	Synthesis of SrO.SiO2 Catalyst and Its Application in the Transesterification Reactions of Soybean Oil. Bulletin of Chemical Reaction Engineering and Catalysis, 2017, 12, 299-305.	1.1	6
54	Direct Synthesis of Highly Crystalline ZSM-5 from Indonesian Kaolin. Bulletin of Chemical Reaction Engineering and Catalysis, 2017, 12, 251-255.	1.1	5

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55	Direct Synthesis of Sodalite from Indonesian Kaolin for Adsorption of Pb2+ Solution, Kinetics, and Isotherm Approach. Bulletin of Chemical Reaction Engineering and Catalysis, 2019, 14, 502-512.	1.1	5
56	Synthesis of mesoporous silica materials via dual templating method from starch of waste rice and their application for drug delivery system. AIP Conference Proceedings, 2018, , .	0.4	4
57	Statistical Optimisation using Taguchi Method for Transesterification of Reutealis Trisperma Oil to Biodiesel on CaO-ZnO Catalysts. Bulletin of Chemical Reaction Engineering and Catalysis, 2021, 16, 686-695.	1.1	4
58	Selective Hierarchical Aluminosilicates for Acetalization Reaction with Propylene Glycol. Indonesian Journal of Chemistry, 2019, 19, 975.	0.8	4
59	Influence of TiO2/TS-1 Calcination on Hydroxylation of Phenol. Journal of Mathematical and Fundamental Sciences, 2014, 46, 76-90.	0.5	4
60	The Biotransformation and Biodecolorization of Methylene Blue by Xenobiotic Bacterium <i>Ralstonia pickettii</i>. Indonesian Journal of Chemistry, 2021, 21, 1418.	0.8	4
61	Infrared Spectroscopic and Scanning Electron Microscopy Study of Ibuprofen Loading onto the Molecular Sieve Mesoporous Silica SBA-15 Material. Oriental Journal of Chemistry, 2018, 34, 2631-2636.	0.3	3
62	Synthesis of unique natural silica (UNS) material via dual co-templating method using starch of waste rice-gelatin composite and their performance in drug delivery system. AIP Conference Proceedings, 2018, , .	0.4	3
63	Drug loading-release behaviour of mesoporous materials SBA-15 and CMK-3 using ibuprofen molecule as drug model. Journal of Physics: Conference Series, 2019, 1153, 012065.	0.4	3
64	Removal of ibuprofen from aqueous solutions by adsorption on tiny zinc oxide sheet-like structure. AIP Conference Proceedings, 2019, , .	0.4	3
65	Direct synthesis of ZSM-5 from kaolin and the influence of organic template. Malaysian Journal of Fundamental and Applied Sciences, 2017, 13, .	0.8	3
66	Extraction of Alumina from Red Mud for Synthesis of Mesoporous Alumina by Adding CTABr as Mesoporous Directing Agent. Indonesian Journal of Chemistry, 2018, 18, 337.	0.8	3
67	Vanadium Contribution to the Surface Modification of Titanium Silicalite for Conversion of Benzene to Phenol. IPTEK: the Journal for Technology and Science, 2013, 22, .	0.3	3
68	PENGARUH WAKTU AGING PADA MODIFIKASI PORI ZEOLIT ALAM DENGAN CTABR. JST (Jurnal Sains Dan) Tj ETQq0 0 0 rgBT /Overlock 10	0.0	3
69	Nanoporous Carbon Prepared with MOF-5 as a Template and Activated using KOH for Hydrogen Storage. Jurnal Kimia Valensi, 2020, 6, 20-31.	0.1	3
70	Highly Active Aluminosilicates with a Hierarchical Porous Structure for Acetalization of 3,4-dimethoxybenzaldehyde. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	2
71	Three-step crystallization in synthesis of ZSM-5 without organic template. AIP Conference Proceedings, 2016, , .	0.4	2
72	Mechanistic insight into low temperature toluene production via benzene methylation over mesopore-rich fibrous silica HZSM-5 zeolite. Journal of Porous Materials, 2021, 28, 1765.	2.6	2

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73	Can kaolin function as source of alumina in the synthesis of ZSM-5 without an organic template using a seeding technique?. Malaysian Journal of Fundamental and Applied Sciences, 2016, 12, .	0.8	2
74	CATALYTIC PERFORMANCES OF Fe₂O₃/TS-1 CATALYST IN PHENOL HYDROXYLATION REACTION. Indonesian Journal of Chemistry, 2010, 10, 149-155.	0.8	2
75	Synthesis of Amorphous Aluminosilicates from Bintanâ€™s Red Mud as Alumina Source. Indonesian Journal of Chemistry, 2018, 18, 580.	0.8	2
76	The Effect of Time and H2O/CTAB Ratio in Synthesis of Mesoporous Alumina from Bauxite Residue. Malaysian Journal of Fundamental and Applied Sciences, 2019, 15, 93-98.	0.8	2
77	Improving the quality of patchouli oil by adsorption process using surfactant modified of natural zeolite. AIP Conference Proceedings, 2017, , .	0.4	1
78	Effects of acidity on the mesoporous carbon CMK-3 structure during Ibuprofen molecule adsorption. IOP Conference Series: Materials Science and Engineering, 2019, 509, 012072.	0.6	1
79	Synthesis and Characterization of Ordered Mesoporous Carbon CMK-3 with a High Loading Capacity of Ibuprofen and its Release Performance at Simulated Body Fluid. IOP Conference Series: Materials Science and Engineering, 2019, 617, 012001.	0.6	1
80	Efficient and sustainable synthesis of zeolite NaA from Bangka kaolin: A study of reused filtrate as partial nutrients for the next synthesis. AIP Conference Proceedings, 2020, , .	0.4	1
81	Synthesis zeolite y from kaolin bangka belitung: activation of metakaolin with various concentration of sulfuric acid. Journal of Physics: Conference Series, 2020, 1567, 032099.	0.4	1
82	Optimization of Hydrothermal Temperature and Time Parameters in the Synthesis of Hierarchical ZSM-5 from Kaolin by Taguchi Method. Materials Science Forum, 0, 981, 104-111.	0.3	1
83	Understanding Pore Surface Modification of Sucrose-Modified Iron Oxide/Silica Mesoporous Composite for Degradation of Methylene Blue. Bulletin of Chemical Reaction Engineering and Catalysis, 2021, 16, 459-471.	1.1	1
84	ESTERIFICATION OF ACETIC ACID AND BENZYL ALCOHOL OVER ZEOLITE HX PRODUCED FROM BANGKA BELITUNG KAOLIN. Malaysian Journal of Analytical Sciences, 2019, 23, .	0.1	1
85	Synthesis of Mesoporous Carbon CMK-3 and CMK-5 Materials and Their Application for Drug Loading-Release System. KnE Life Sciences, 2019, 4, 1.	0.1	1
86	SYNTHESIS OF ZEOLITE BETA DIRECTLY FROM RICE HUSK ASH: EFFECT OF REACTION COMPOSITION ON CRYSTALLINITY OF ZEOLITE BETA. Indonesian Journal of Chemistry, 2006, 6, 11-15.	0.8	1
87	The Development of Triglyceride-Based Additives and Their Lubricity Properties for Low Sulfur Fossil Diesel: A Review. Journal of Tribology, 2022, 144, .	1.9	1
88	Photocatalytic Hydrogen Gas Production from NH3 and Alkylamine: Route to Zero Carbon Emission Energy. Catalysis Letters, 2023, 153, 1013-1023.	2.6	1
89	PREPARATION, CHARACTERIZATION AND CATALYTIC ACTIVITY OF CuO/TS-1 ON BENZENE HYDROXYLATION REACTION. Makara Seri Sains, 2012, 15, .	0.0	0
90	AMOKSIMASI SIKLOHEKSANON DENGAN KATALIS MoO3/TS-1 MENGGUNAKAN HIDROGEN PEROKSIDA SEBAGAI AGEN PENGOKSIDASI. Reaktor, 2016, 16, .	0.3	0

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91	Effect of SrO content on Zeolite Structure. IOP Conference Series: Materials Science and Engineering, 2018, 349, 012045.	0.6	0
92	Effect of aging temperature on the synthesis of hierarchical ZSM-5 from bauxite residue. AIP Conference Proceedings, 2018, , .	0.4	0
93	Release kinetics performance of ibuprofen molecule from ordered mesoporous carbon with deferent concentration of drug loading. AIP Conference Proceedings, 2018, , .	0.4	0
94	The Effect of Temperature in the Application Of Mesoporous Nanomaterials Based on Carbon in Drug Delivery System With Ibuprofen. IOP Conference Series: Materials Science and Engineering, 2019, 662, 022081.	0.6	0
95	Synthesis zeolite y from kaolin: Activation of metakaolin with various concentration of sulfuric acid and its application for esterification. AIP Conference Proceedings, 2020, , .	0.4	0
96	Decolourization of methylene blue by NiO/ZSM-5 photocatalyst under UV-LED irradiation. AIP Conference Proceedings, 2020, , .	0.4	0
97	The effect of water glass source variation on the mechanical properties of fly ash-based geopolymer. AIP Conference Proceedings, 2021, , .	0.4	0
98	Synthesis and Characterization of Low Loading MoO3/Ts-1 Catalyst. IPTEK: the Journal for Technology and Science, 2013, 19, .	0.3	0
99	Condensation of Indole with Isatin over AlCl₃/Mesoporous Aluminosilicate. Indonesian Journal of Chemistry, 2015, 15, 56-63.	0.8	0
100	The effect of aging temperature on natural zeolite modification. AIP Conference Proceedings, 2017, , .	0.4	0
101	Characterization of Mesoporous NaZSM-5 and K₃PO₄/NaZSM-5 from Adsorption and Desorption Isotherms. Advanced Science Letters, 2017, 23, 12025-12028.	0.2	0