

# Sugeng Triwahyono

## List of Publications by Year in descending order

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133  
papers

7,019  
citations

44066

48  
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64791

79  
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136  
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136  
docs citations

136  
times ranked

6697  
citing authors

#	ARTICLE	IF	CITATIONS
1	CO <sub>2</sub> methanation over heterogeneous catalysts: recent progress and future prospects. <i>Green Chemistry</i> , 2015, 17, 2647-2663.	9.0	576
2	Highly active Ni-promoted mesostructured silica nanoparticles for CO <sub>2</sub> methanation. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 359-368.	20.2	404
3	Adsorption of methyl orange from aqueous solution onto calcined Lapindo volcanic mud. <i>Journal of Hazardous Materials</i> , 2010, 181, 755-762.	12.4	223
4	Modified oil palm leaves adsorbent with enhanced hydrophobicity for crude oil removal. <i>Chemical Engineering Journal</i> , 2012, 203, 9-18.	12.7	172
5	Recent advances and future prospect in catalysts for oxidative coupling of methane to ethylene: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 59, 218-229.	5.8	172
6	Surface modification of activated carbon for adsorption of SO <sub>2</sub> and NO <sub>x</sub> : A review of existing and emerging technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 94, 1067-1085.	16.4	159
7	Renewable hydrogen production from bio-oil derivative via catalytic steam reforming: An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 347-357.	16.4	156
8	Recent scenario and technologies to utilize non-edible oils for biodiesel production. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 37, 840-851.	16.4	142
9	CO <sub>2</sub> methanation over Ni-promoted mesostructured silica nanoparticles: Influence of Ni loading and water vapor on activity and response surface methodology studies. <i>Chemical Engineering Journal</i> , 2015, 260, 757-764.	12.7	141
10	The reuse of wastepaper for the extraction of cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2015, 118, 165-169.	10.2	134
11	Oxygen vacancy-rich mesoporous silica KCC-1 for CO <sub>2</sub> methanation. <i>Applied Catalysis A: General</i> , 2017, 532, 86-94.	4.3	134
12	Amino modified mesostructured silica nanoparticles for efficient adsorption of methylene blue. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 307-314.	9.4	130
13	Methanation of carbon dioxide on metal-promoted mesostructured silica nanoparticles. <i>Applied Catalysis A: General</i> , 2014, 486, 115-122.	4.3	125
14	Cost-effective microwave rapid synthesis of zeolite NaA for removal of methylene blue. <i>Chemical Engineering Journal</i> , 2013, 229, 388-398.	12.7	116
15	Utilization of bivalve shell-treated <i>Zea mays</i> L. (maize) husk leaf as a low-cost biosorbent for enhanced adsorption of malachite green. <i>Bioresource Technology</i> , 2012, 120, 218-224.	9.6	112
16	CO <sub>2</sub> reforming of CH <sub>4</sub> over Ni-Co/MSN for syngas production: Role of Co as a binder and optimization using RSM. <i>Chemical Engineering Journal</i> , 2016, 295, 1-10.	12.7	99
17	Photodecolorization of methyl orange over Fe <sub>3</sub> O <sub>4</sub> -supported HY catalysts: The effects of catalyst preparation and dealumination. <i>Chemical Engineering Journal</i> , 2012, 191, 112-122.	12.7	93
18	Role of 3-aminopropyltriethoxysilane in the preparation of mesoporous silica nanoparticles for ibuprofen delivery: Effect on physicochemical properties. <i>Microporous and Mesoporous Materials</i> , 2013, 180, 235-241.	4.4	91

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19	Direct in situ activation of Ag <sub>0</sub> nanoparticles in synthesis of Ag/TiO <sub>2</sub> and its photoactivity. <i>Applied Surface Science</i> , 2015, 338, 75-84.	6.1	85
20	Electrochemical strategy for grown ZnO nanoparticles deposited onto HY zeolite with enhanced photodecolorization of methylene blue: Effect of the formation of SiOZn bonds. <i>Applied Catalysis A: General</i> , 2013, 456, 144-158.	4.3	83
21	IR study of acid sites on WO <sub>3</sub> •ZrO <sub>2</sub> and Pt/WO <sub>3</sub> •ZrO <sub>2</sub> . <i>Applied Catalysis A: General</i> , 2003, 242, 101-109.	4.3	81
22	Isomorphous substitution of Zr in the framework of aluminosilicate HY by an electrochemical method: Evaluation by methylene blue decolorization. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 311-323.	20.2	81
23	Further Insight into the Definite Morphology and Formation Mechanism of Mesoporous Silica KCC-1. <i>Langmuir</i> , 2016, 32, 5802-5811.	3.5	80
24	Improved production of fuel oxygenates via glycerol acetylation with acetic acid. <i>Chemical Engineering Journal</i> , 2014, 243, 473-484.	12.7	78
25	One-pot electro-synthesis of ZrO <sub>2</sub> •ZnO/HY nanocomposite for photocatalytic decolorization of various dye-contaminants. <i>Chemical Engineering Journal</i> , 2013, 225, 254-265.	12.7	75
26	Synthesis and characterization of fibrous silica ZSM-5 for cumene hydrocracking. <i>Catalysis Science and Technology</i> , 2016, 6, 5178-5182.	4.1	72
27	Influence of Ni to Co ratio supported on ZrO <sub>2</sub> catalysts in phenol steam reforming for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 22922-22931.	7.1	71
28	Sequential desilication•isomorphous substitution route to prepare mesostructured silica nanoparticles loaded with ZnO and their photocatalytic activity. <i>Applied Catalysis A: General</i> , 2013, 468, 276-287.	4.3	69
29	Production of hydrogen via steam reforming of acetic acid over Ni and Co supported on La <sub>2</sub> O <sub>3</sub> catalyst. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 8975-8985.	7.1	68
30	Directing the amount of CNTs in CuO•CNT catalysts for enhanced adsorption-oriented visible-light-responsive photodegradation of p-chloroaniline. <i>Powder Technology</i> , 2018, 327, 170-178.	4.2	68
31	Strategies for introducing titania onto mesostructured silica nanoparticles targeting enhanced photocatalytic activity of visible-light-responsive Ti-MSN catalysts. <i>Journal of Cleaner Production</i> , 2017, 143, 948-959.	9.3	66
32	Hydrogen spillover behavior of Zn/HZSM-5 showing catalytically active protonic acid sites in the isomerization of n-pentane. <i>Applied Catalysis A: General</i> , 2011, 407, 91-99.	4.3	61
33	Tailoring the properties of electrolyzed Ni/mesostructured silica nanoparticles (MSN) via different Ni-loading methods for CO <sub>2</sub> reforming of CH <sub>4</sub> . <i>Journal of CO<sub>2</sub> Utilization</i> , 2016, 13, 71-80.	6.8	61
34	Controllable structure of fibrous SiO <sub>2</sub> •ZSM-5 support decorated with TiO <sub>2</sub> catalysts for enhanced photodegradation of paracetamol. <i>Applied Surface Science</i> , 2018, 455, 84-95.	6.1	61
35	Fibrous silica mesoporous ZSM-5 for carbon monoxide methanation. <i>Applied Catalysis A: General</i> , 2016, 523, 200-208.	4.3	59
36	n-Heptane isomerization over molybdenum supported on bicontinuous concentric lamellar silica KCC-1: Influence of phosphorus and optimization using response surface methodology (RSM). <i>Chemical Engineering Journal</i> , 2017, 314, 650-659.	12.7	59

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37	Recovery of gold(III) from an aqueous solution onto a durio zibethinus husk. <i>Biochemical Engineering Journal</i> , 2011, 54, 124-131.	3.6	58
38	Variation of the crystal growth of mesoporous silica nanoparticles and the evaluation to ibuprofen loading and release. <i>Journal of Colloid and Interface Science</i> , 2014, 421, 6-13.	9.4	56
39	Hydrogen production from catalytic steam reforming of phenol with bimetallic nickel-cobalt catalyst on various supports. <i>Applied Catalysis A: General</i> , 2016, 527, 161-170.	4.3	55
40	New insight into self-modified surfaces with defect-rich rutile TiO <sub>2</sub> as a visible-light-driven photocatalyst. <i>Journal of Cleaner Production</i> , 2017, 168, 1150-1162.	9.3	55
41	Synergistic interactions of Cu and N on surface altered amorphous TiO <sub>2</sub> nanoparticles for enhanced photocatalytic oxidative desulfurization of dibenzothiophene. <i>RSC Advances</i> , 2016, 6, 76259-76268.	3.6	54
42	Altering fiber density of cockscomb-like fibrous silica-titania catalysts for enhanced photodegradation of ibuprofen. <i>Journal of Environmental Management</i> , 2018, 227, 34-43.	7.8	54
43	Tailoring the Properties of Metal Oxide Loaded/KCC-1 toward a Different Mechanism of CO <sub>2</sub> Methanation by in Situ IR and ESR. <i>Inorganic Chemistry</i> , 2018, 57, 5859-5869.	4.0	54
44	Tailored mesoporosity and acidity of shape-selective fibrous silica beta zeolite for enhanced toluene co-reaction with methanol. <i>Chemical Engineering Science</i> , 2019, 193, 217-229.	3.8	54
45	WO <sub>3</sub> monolayer loaded on ZrO <sub>2</sub> : Property-activity relationship in n-butane isomerization evidenced by hydrogen adsorption and IR studies. <i>Applied Catalysis A: General</i> , 2012, 433-434, 49-57.	4.3	52
46	Tailoring the current density to enhance photocatalytic activity of CuO/HY for decolorization of malachite green. <i>Journal of Electroanalytical Chemistry</i> , 2013, 701, 50-58.	3.8	52
47	C <sub>5</sub> -C <sub>7</sub> linear alkane hydroisomerization over MoO <sub>3</sub> -ZrO <sub>2</sub> and Pt/MoO <sub>3</sub> -ZrO <sub>2</sub> catalysts. <i>Journal of Catalysis</i> , 2013, 303, 50-59.	6.2	52
48	Visible-light photoactivity of plasmonic silver supported on mesoporous TiO <sub>2</sub> nanoparticles (Ag-MTN) for enhanced degradation of 2-chlorophenol: Limitation of Ag-Ti interaction. <i>Applied Surface Science</i> , 2017, 392, 1068-1077.	6.1	51
49	Interaction between copper and carbon nanotubes triggers their mutual role in the enhanced photodegradation of p-chloroaniline. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12323-12331.	2.8	50
50	Ir/Pt-HZSM5 for n-pentane isomerization: Effect of iridium loading on the properties and catalytic activity. <i>Journal of Catalysis</i> , 2012, 294, 128-135.	6.2	48
51	IR study of acid sites on WO <sub>3</sub> -ZrO <sub>2</sub> . <i>Applied Catalysis A: General</i> , 2003, 250, 75-81.	4.3	47
52	Ir/Pt-HZSM5 for n-pentane isomerization: Effect of Si/Al ratio and reaction optimization by response surface methodology. <i>Chemical Engineering Journal</i> , 2013, 217, 300-309.	12.7	47
53	Synthesis of reverse micelle Fe-FeOOH nanoparticles in ionic liquid as an only electrolyte: Inhibition of electron-hole pair recombination for efficient photoactivity. <i>Applied Catalysis A: General</i> , 2014, 469, 33-44.	4.3	47
54	Mesoporous ZSM5 having both intrinsic acidic and basic sites for cracking and methanation. <i>Chemical Engineering Journal</i> , 2015, 270, 196-204.	12.7	47

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55	Tailoring the metal introduction sequence onto mesostructured silica nanoparticles framework: Effect on physicochemical properties and photoactivity. <i>Applied Catalysis A: General</i> , 2015, 492, 169-176.	4.3	45
56	New insight into electrochemical-induced synthesis of NiAl <sub>2</sub> O <sub>4</sub> /Al <sub>2</sub> O <sub>3</sub> : Synergistic effect of surface hydroxyl groups and magnetism for enhanced adsorptivity of Pd(II). <i>Applied Surface Science</i> , 2015, 349, 485-495.	6.1	45
57	New insights into self-modification of mesoporous titania nanoparticles for enhanced photoactivity: effect of microwave power density on formation of oxygen vacancies and Ti <sup>3+</sup> defects. <i>RSC Advances</i> , 2015, 5, 90991-91000.	3.6	45
58	n-Heptane isomerization over mesostructured silica nanoparticles (MSN): Dissociative-adsorption of molecular hydrogen on Pt and Mo sites. <i>Applied Catalysis A: General</i> , 2016, 516, 135-143.	4.3	45
59	Effect of carbon-interaction on structure-photoactivity of Cu doped amorphous TiO <sub>2</sub> catalysts for visible-light-oriented oxidative desulphurization of dibenzothiophene. <i>Fuel</i> , 2018, 216, 407-417.	6.4	45
60	Complete electrochemical dechlorination of chlorobenzenes in the presence of various arene mediators. <i>Journal of Hazardous Materials</i> , 2010, 174, 581-585.	12.4	44
61	CO <sub>2</sub> reforming of CH <sub>4</sub> over Ni/mesostructured silica nanoparticles (Ni/MSN). <i>RSC Advances</i> , 2015, 5, 37405-37414.	3.6	43
62	Influence of multi-walled carbon nanotubes on textural and adsorption characteristics of in situ synthesized mesostructured silica. <i>Journal of Colloid and Interface Science</i> , 2014, 421, 93-102.	9.4	42
63	Structural rearrangement of mesostructured silica nanoparticles incorporated with ZnO catalyst and its photoactivity: Effect of alkaline aqueous electrolyte concentration. <i>Applied Surface Science</i> , 2015, 330, 10-19.	6.1	42
64	Enantioselective oxidation of sulfide to sulfoxide on Ti-containing mesoporous silica prepared by a template-ion exchange method. <i>Microporous and Mesoporous Materials</i> , 2001, 48, 271-277.	4.4	40
65	Study of Hydrogen Adsorption on Pt/WO <sub>3</sub> -ZrO <sub>2</sub> through Pt Sites. <i>Journal of Natural Gas Chemistry</i> , 2007, 16, 252-257.	1.8	40
66	Protonation of Al-grafted mesostructured silica nanoparticles (MSN): Acidity and catalytic activity for cumene conversion. <i>Chemical Engineering Journal</i> , 2014, 240, 352-361.	12.7	39
67	Promising hydrothermal technique for efficient CO <sub>2</sub> methanation over Ni/SBA-15. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 20792-20804.	7.1	39
68	Direct synthesis of mesoporous aluminosilicates from Indonesian kaolin clay without calcination. <i>Applied Clay Science</i> , 2015, 118, 290-294.	5.2	38
69	Exploiting copper-silica-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> , 2018, 82, 322-330.	5.3	38
70	Kinetic study of hydrogen adsorption on Pt/WO <sub>3</sub> -ZrO <sub>2</sub> and WO <sub>3</sub> -ZrO <sub>2</sub> . <i>Applied Catalysis A: General</i> , 2003, 250, 65-73.	4.3	37
71	IR study of iridium bonded to perturbed silanol groups of Pt-HZSM5 for n-pentane isomerization. <i>Applied Catalysis A: General</i> , 2012, 417-418, 190-199.	4.3	37
72	Generation of protonic acid sites from pentane on the surfaces of Pt/SO <sub>4</sub> <sup>2-</sup> -ZrO <sub>2</sub> and Zn/H-ZSM5 evidenced by IR study of adsorbed pyridine. <i>Applied Catalysis A: General</i> , 2010, 372, 90-93.	4.3	36

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73	Interaction of Zn <sup>2+</sup> with extraframework aluminum in HBEA zeolite and its role in enhancing n-pentane isomerization. <i>Applied Catalysis A: General</i> , 2012, 431-432, 104-112.	4.3	35
74	Nickel-promoted mesoporous ZSM5 for carbon monoxide methanation. <i>RSC Advances</i> , 2015, 5, 64651-64660.	3.6	34
75	Elucidation of acid strength effect on ibuprofen adsorption and release by aluminated mesoporous silica nanoparticles. <i>RSC Advances</i> , 2015, 5, 30023-30031.	3.6	33
76	Kinetics study of hydrogen adsorption over Pt/MoO <sub>3</sub> . <i>Applied Catalysis A: General</i> , 2010, 372, 103-107.	4.3	32
77	Complete electrochemical dechlorination of chlorobenzenes in the presence of naphthalene mediator. <i>Journal of Hazardous Materials</i> , 2007, 148, 1-5.	12.4	31
78	Transesterification of croton megalocarpus oil to biodiesel over WO <sub>3</sub> supported on silica mesoporous-macroparticles catalyst. <i>Chemical Engineering Journal</i> , 2017, 316, 882-892.	12.7	29
79	Catalyzed Claisen-Schmidt reaction by protonated aluminate mesoporous silica nanomaterial focused on the (E)-chalcone synthesis as a biologically active compound. <i>RSC Advances</i> , 2016, 6, 11023-11031.	3.6	28
80	Synthesis of dual type Fe species supported mesostructured silica nanoparticles: synergistical effects in photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 9727-9736.	3.6	27
81	Photodegradation of 2-chlorophenol over colloidal Fe-FeOOH supported mesostructured silica nanoparticles: Influence of a pore expander and reaction optimization. <i>Separation and Purification Technology</i> , 2015, 149, 55-64.	7.9	27
82	Additional Lewis acid sites of protonated fibrous silica@BEA zeolite (HSi@BEA) improving the generation of protonic acid sites in the isomerization of C <sub>6</sub> alkane and cycloalkanes. <i>Applied Catalysis A: General</i> , 2019, 570, 228-237.	4.3	27
83	Unique structure of fibrous ZSM-5 catalyst expedited prolonged hydrogen atom restoration for selective production of propylene from methanol. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 24652-24665.	7.1	25
84	The Effect of Sulfate Ion on the Isomerization of n-Butane to iso-Butane. <i>Journal of Natural Gas Chemistry</i> , 2006, 15, 247-252.	1.8	24
85	Synergistic effect of microwave rapid heating and weak mineralizer on silica-stabilized tetragonal zirconia nanoparticles for enhanced photoactivity of Bisphenol A. <i>Journal of Molecular Liquids</i> , 2018, 261, 423-430.	4.9	24
86	IR study of active sites for n-heptane isomerization over MoO <sub>3</sub> -ZrO <sub>2</sub> . <i>Applied Catalysis A: General</i> , 2011, 406, 102-112.	4.3	23
87	Altering Dendrimer Structure of Fibrous-Silica-HZSM5 for Enhanced Product Selectivity of Benzene Methylation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 553-562.	3.7	23
88	Selective Acetalization of Glycerol with Acetone Over Nickel Nanoparticles Supported on Multi-Walled Carbon Nanotubes. <i>Catalysis Letters</i> , 2014, 144, 1009-1015.	2.6	22
89	Isomerization of linear C <sub>5</sub> -C <sub>7</sub> over Pt loaded on protonated fibrous silica@Y zeolite (Pt/HSi@Y). <i>Journal of Energy Chemistry</i> , 2019, 37, 163-171.	12.9	22
90	Favored hydrogenation of linear carbon monoxide over cobalt loaded on fibrous silica KCC-1. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 9522-9534.	7.1	22

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91	Formation of acidic Brønsted (MoOx) <sup>n</sup> (Hy) <sup>+</sup> evidenced by XRD and 2,6-lutidine FTIR spectroscopy for cumene cracking. <i>Applied Catalysis A: General</i> , 2013, 459, 8-16.	4.3	21
92	Utilization of a cost effective Lapindo mud catalyst derived from eruption waste for transesterification of waste oils. <i>Energy Conversion and Management</i> , 2016, 108, 411-421.	9.2	20
93	Effect of Pt/Pd/C coupled catalyst loading and polybenzimidazole ionomer binder on oxygen reduction reaction in high-temperature PEMFC. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 20760-20769.	7.1	20
94	Negative effect of Ni on Pt/HY in n-pentane isomerization evidenced by IR and ESR studies. <i>Journal of Natural Gas Chemistry</i> , 2012, 21, 29-36.	1.8	19
95	Pellet size dependent steam reforming of polyethylene terephthalate waste for hydrogen production over Ni/La promoted Al <sub>2</sub> O <sub>3</sub> catalyst. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 21571-21585.	7.1	19
96	Study of the interaction between hydrogen and the MoO <sub>3</sub> -ZrO <sub>2</sub> catalyst. <i>Applied Catalysis A: General</i> , 2012, 413-414, 176-182.	4.3	18
97	Acid-vacuo heat treated low cost banana stems fiber for efficient biosorption of Hg(II). <i>RSC Advances</i> , 2015, 5, 14129-14137.	3.6	17
98	Title is missing!. <i>Catalysis Letters</i> , 2003, 85, 109-115.	2.6	16
99	Dispersive solid phase extraction of gold with magnetite-graphene oxide prior to its determination via microwave plasma-atomic emission spectrometry. <i>RSC Advances</i> , 2016, 6, 88110-88116.	3.6	16
100	Hierarchical HZSM-5 for Catalytic Cracking of Oleic Acid to Biofuels. <i>Nanomaterials</i> , 2021, 11, 747.	4.1	16
101	Co <sub>3</sub> O <sub>4</sub> doped over SBA 15: excellent adsorbent materials for the removal of methyleneblue dye Pollutant. <i>Clean Technologies and Environmental Policy</i> , 2013, 15, 967-975.	4.1	15
102	Cumene cracking over chromium oxide zirconia: Effect of chromium(VI) oxide precursors. <i>Applied Catalysis A: General</i> , 2014, 475, 487-496.	4.3	15
103	Liquid crystal physical gel formed by cholesteryl stearate for light scattering display material. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 41-48.	9.4	15
104	Zirconium-Loaded Mesoporous Silica Nanoparticles Adsorbent for Removal of Hexavalent Chromium from Aqueous Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 704-712.	3.7	15
105	Low-temperature stabilization of electrosynthesized tetragonal zirconia, its photoactivity toward methylene blue decolorization. <i>Desalination and Water Treatment</i> , 2015, 56, 2402-2416.	1.0	12
106	New direct consecutive formation of spinel phase in (Fe,Co,Ni)Al <sub>2</sub> O <sub>4</sub> composites for enhanced Pd(II) ions removal. <i>Journal of Alloys and Compounds</i> , 2017, 727, 744-756.	5.5	12
107	Novel removal of water-insoluble disperse dye onto a low-cost adsorbent prepared from tropical fruit waste. <i>Desalination and Water Treatment</i> , 2012, 49, 337-347.	1.0	11
108	Effect of Different Templates on the Synthesis of Mesoporous Sodalite. <i>Journal of Chemistry</i> , 2015, 2015, 1-6.	1.9	11

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109	Effect of iridium loading on HZSM-5 for isomerization of n-heptane. Journal of Natural Gas Chemistry, 2011, 20, 477-482.	1.8	9
110	Relating cumene hydrocracking activity to the acidic center of CrO <sub>3</sub> •ZrO <sub>2</sub> . Journal of Molecular Catalysis A, 2013, 377, 162-172.	4.8	9
111	Surface modification of banana stem fibers via radiation induced grafting of poly(methacrylic acid) as an effective cation exchanger for Hg(II). RSC Advances, 2016, 6, 34411-34421.	3.6	8
112	Carbon Dioxide Fixation Method for Electrosynthesis of Benzoic Acid from Chlorobenzene. Journal of Natural Gas Chemistry, 2007, 16, 273-277.	1.8	7
113	Activities of Heterogeneous Acid-Base Catalysts for Fragrances Synthesis: A Review. Bulletin of Chemical Reaction Engineering and Catalysis, 2013, 8, .	1.1	7
114	High activity of aluminated bifunctional mesoporous silica nanoparticles for cumene hydrocracking and measurement of molar absorption coefficient. New Journal of Chemistry, 2015, 39, 8006-8016.	2.8	7
115	Grape-like mesostructured silica nanoparticle-decorated single-walled carbon nanotubes: silica growth and dye adsorptivity. RSC Advances, 2015, 5, 71796-71804.	3.6	7
116	Enhanced hydrogen-assisted cracking of 1,3,5-triisopropylbenzene over fibrous silica ZSM-5: Influence of co-surfactant during synthesis. International Journal of Hydrogen Energy, 2021, 46, 24676-24686.	7.1	7
117	MICROWAVE-ASSISTED SYNTHESIS OF MESOPOROUS SILICA NANOPARTICLES AS A DRUG DELIVERY VEHICLE. Malaysian Journal of Analytical Sciences, 2016, 20, 1382-1389.	0.1	7
118	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
119	Effect of Cr <sub>2</sub> O <sub>3</sub> loading on the properties and cracking activity of Pt/Cr <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> . Applied Catalysis A: General, 2017, 541, 77-86.	4.3	6
120	Effect of temperature on the morphology and electro-optical properties of liquid crystal physical gel. Materials Chemistry and Physics, 2016, 184, 197-202.	4.0	5
121	Direct Synthesis of Sodalite from Indonesian Kaolin for Adsorption of Pb <sup>2+</sup> Solution, Kinetics, and Isotherm Approach. Bulletin of Chemical Reaction Engineering and Catalysis, 2019, 14, 502-512.	1.1	5
122	Preparation of Cellulose Nanocrystal Aerogel from Wastepaper through Freeze-Drying Technique. Advanced Materials Research, 2015, 1125, 296-300.	0.3	4
123	SIGNIFICANT EFFECT OF PH ON PHOTOCATALYTIC DEGRADATION OF ORGANIC POLLUTANTS USING SEMICONDUCTOR CATALYSTS. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	4
124	Catalytic CO Methanation over Mesoporous ZSM5 with Different Metal Promoters. Bulletin of Chemical Reaction Engineering and Catalysis, 2019, 14, 228.	1.1	4
125	Highly Active Aluminosilicates with a Hierarchical Porous Structure for Acetalization of 3,4-dimethoxybenzaldehyde. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	2
126	Synthesis of Mesoporous Silica Particles with Fibrous Morphology via Self-Assembly Process in Microemulsion System. Advanced Materials Research, 2015, 1112, 172-175.	0.3	2



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127	Determination of Lewis and Brønsted acid sites by gas flow-injection technique. Malaysian Journal of Fundamental and Applied Sciences, 2014, 6, .	0.8	2
128	AMINE MODIFIED MESOSTRUCTURED SILICA NANO PARTICLES ENHANCED ADSORPTION OF PHENOL. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	1
129	CO2 REFORMING OF METHANE OVER NI SUPPORTED ON MESOSTRUCTURED SILICA NANOPARTICLES (NI/MSN): EFFECT OF NI LOADING. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	1
130	ISOMERIZATION OF C5-C7 LINEAR ALKANES OVER WO3-ZRO2 UNDER HELIUM ATMOSPHERE. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	0
131	ZIRCONIUM LOADED BANANA STEM FIBERS AS ADSORBENT FOR RECOVERY OF HG(II). Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
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133	Condensation of Indole with Isatin over AlCl <sub>3</sub> /Mesoporous Aluminosilicate. Indonesian Journal of Chemistry, 2015, 15, 56-63.	0.8	0