

Amin, Nas

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8282243/amin-nas-publications-by-citations.pdf>

Version: 2024-04-28

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.

151
papers

7,508
citations

48
h-index

84
g-index

170
ext. papers

8,776
ext. citations

6.5
avg, IF

7.04
L-index

#	Paper	IF	Citations
151	A review on process conditions for optimum bio-oil yield in hydrothermal liquefaction of biomass. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 1615-1624	16.2	670
150	Hydrogenation of CO ₂ to value-added products: A review and potential future developments. <i>Journal of CO₂ Utilization</i> , 2014 , 5, 66-81	7.6	551
149	A review on novel processes of biodiesel production from waste cooking oil. <i>Applied Energy</i> , 2013 , 104, 683-710	10.7	500
148	Synergistic effect in plasmonic Au/Ag alloy NPs co-coated TiO ₂ NWs toward visible-light enhanced CO ₂ photoreduction to fuels. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 548-560	21.8	189
147	Fe/HY zeolite as an effective catalyst for levulinic acid production from glucose: Characterization and catalytic performance. <i>Applied Catalysis B: Environmental</i> , 2015 , 163, 487-498	21.8	156
146	Optimization of heterogeneous biodiesel production from waste cooking palm oil via response surface methodology. <i>Biomass and Bioenergy</i> , 2011 , 35, 1329-1338	5.3	156
145	A review on removal of pharmaceuticals from water by adsorption. <i>Desalination and Water Treatment</i> , 2016 , 57, 12842-12860		139
144	Transesterification of waste cooking oil by heteropoly acid (HPA) catalyst: Optimization and kinetic model. <i>Applied Energy</i> , 2013 , 102, 283-292	10.7	139
143	Biodiesel production from waste cooking oil over alkaline modified zirconia catalyst. <i>Fuel Processing Technology</i> , 2011 , 92, 2397-2405	7.2	139
142	Constructing bio-templated 3D porous microtubular C-doped g-C ₃ N ₄ with tunable band structure and enhanced charge carrier separation. <i>Applied Catalysis B: Environmental</i> , 2018 , 236, 265-279	21.8	131
141	Well-designed ZnV ₂ O ₆ /g-C ₃ N ₄ 2D/2D nanosheets heterojunction with faster charges separation via pCN as mediator towards enhanced photocatalytic reduction of CO ₂ to fuels. <i>Applied Catalysis B: Environmental</i> , 2019 , 242, 312-326	21.8	125
140	An overview of ionic liquids as solvents in biodiesel synthesis. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 5770-5786	16.2	123
139	Adsorption of anionic dyes on spent tea leaves modified with polyethyleneimine (PEI-STL). <i>Journal of Cleaner Production</i> , 2019 , 206, 394-406	10.3	123
138	Gold-nanoparticle-modified TiO ₂ nanowires for plasmon-enhanced photocatalytic CO ₂ reduction with H ₂ under visible light irradiation. <i>Applied Surface Science</i> , 2015 , 356, 1289-1299	6.7	119
137	Co-generation of synthesis gas and C ₂ + hydrocarbons from methane and carbon dioxide in a hybrid catalytic-plasma reactor: A review. <i>Fuel</i> , 2006 , 85, 577-592	7.1	119
136	g-C ₃ N ₄ /(Cu/TiO ₂) nanocomposite for enhanced photoreduction of CO ₂ to CH ₃ OH and HCOOH under UV/visible light. <i>Journal of CO₂ Utilization</i> , 2017 , 18, 261-274	7.6	115
135	Photo-induced CO ₂ reduction by CH ₄ /H ₂ O to fuels over Cu-modified g-C ₃ N ₄ nanorods under simulated solar energy. <i>Applied Surface Science</i> , 2017 , 419, 875-885	6.7	111

134	Pretreatment of empty palm fruit bunch for production of chemicals via catalytic pyrolysis. <i>Bioresource Technology</i> , 2009 , 100, 2867-73	11	106
133	Glycerol for renewable acrolein production by catalytic dehydration. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 40, 28-59	16.2	105
132	Effective removal of anionic textile dyes using adsorbent synthesized from coffee waste. <i>Scientific Reports</i> , 2020 , 10, 2928	4.9	96
131	Thermodynamic equilibrium analysis of combined carbon dioxide reforming with partial oxidation of methane to syngas. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 1789-1798	6.7	92
130	Optimization of oleic acid esterification catalyzed by ionic liquid for green biodiesel synthesis. <i>Energy Conversion and Management</i> , 2013 , 76, 818-827	10.6	91
129	Selective photocatalytic reduction of CO ₂ by H ₂ O/H ₂ to CH ₄ and CH ₃ OH over Cu-promoted In ₂ O ₃ /TiO ₂ nanocatalyst. <i>Applied Surface Science</i> , 2016 , 389, 46-55	6.7	91
128	Esterification of oleic acid to biodiesel using magnetic ionic liquid: Multi-objective optimization and kinetic study. <i>Applied Energy</i> , 2014 , 114, 809-818	10.7	90
127	Optimization of levulinic acid from lignocellulosic biomass using a new hybrid catalyst. <i>Bioresource Technology</i> , 2012 , 116, 58-65	11	90
126	Kinetic study of glucose conversion to levulinic acid over Fe/HY zeolite catalyst. <i>Chemical Engineering Journal</i> , 2016 , 283, 150-159	14.7	83
125	Recent developments in non-thermal catalytic DBD plasma reactor for dry reforming of methane. <i>Energy Conversion and Management</i> , 2019 , 183, 529-560	10.6	79
124	Microwave assisted biodiesel production from <i>Jatropha curcas</i> L. seed by two-step in situ process: optimization using response surface methodology. <i>Bioresource Technology</i> , 2013 , 136, 565-73	11	76
123	Characterization and performance of hybrid catalysts for levulinic acid production from glucose. <i>Microporous and Mesoporous Materials</i> , 2013 , 171, 14-23	5.3	75
122	Performance analysis of nanostructured NiO/In ₂ O ₃ /TiO ₂ catalyst for CO ₂ photoreduction with H ₂ in a monolith photoreactor. <i>Chemical Engineering Journal</i> , 2016 , 285, 635-649	14.7	74
121	MMT-supported Ni/TiO ₂ nanocomposite for low temperature ethanol steam reforming toward hydrogen production. <i>Chemical Engineering Journal</i> , 2017 , 326, 956-969	14.7	72
120	Dry reforming of methane using different dielectric materials and DBD plasma reactor configurations. <i>Energy Conversion and Management</i> , 2017 , 144, 262-274	10.6	69
119	Photocatalytic CO ₂ methanation over NiO/In ₂ O ₃ promoted TiO ₂ nanocatalysts using H ₂ O and/or H ₂ reductants. <i>Energy Conversion and Management</i> , 2016 , 119, 368-378	10.6	68
118	Catalytic hydrolysis of cellulose and oil palm biomass in ionic liquid to reducing sugar for levulinic acid production. <i>Fuel Processing Technology</i> , 2014 , 128, 490-498	7.2	66
117	Modelling and optimization of catalytic dielectric barrier discharge plasma reactor for methane and carbon dioxide conversion using hybrid artificial neural network genetic algorithm technique. <i>Chemical Engineering Science</i> , 2007 , 62, 6568-6581	4.4	65

116	Indirect Z-Scheme Assembly of 2D ZnV2O6/RGO/g-C3N4 Nanosheets with RGO/pCN as Solid-State Electron Mediators toward Visible-Light-Enhanced CO2 Reduction. <i>Industrial & Engineering Chemistry Research</i> , 2019 ,	3.9	64
115	Photo-induced reduction of CO2 to CO with hydrogen over plasmonic Ag-NPs/TiO2 NWs core/shell hetero-junction under UV and visible light. <i>Journal of CO2 Utilization</i> , 2017 , 18, 250-260	7.6	61
114	Ag-La loaded protonated carbon nitrides nanotubes (pCNNT) with improved charge separation in a monolithic honeycomb photoreactor for enhanced bireforming of methane (BRM) to fuels. <i>Applied Catalysis B: Environmental</i> , 2019 , 248, 167-183	21.8	60
113	Tailoring performance of La-modified TiO 2 nanocatalyst for continuous photocatalytic CO 2 reforming of CH 4 to fuels in the presence of H 2 O. <i>Energy Conversion and Management</i> , 2018 , 159, 284-298	10.6	60
112	Hydrogen production from catalytic steam reforming of glycerol over various supported nickel catalysts. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 9087-9098	6.7	58
111	Copper and calcium-based metal organic framework (MOF) catalyst for biodiesel production from waste cooking oil: A process optimization study. <i>Energy Conversion and Management</i> , 2020 , 215, 112934	10.6	56
110	Synergistic effects of 2D/2D ZnV2O6/RGO nanosheets heterojunction for stable and high performance photo-induced CO2 reduction to solar fuels. <i>Chemical Engineering Journal</i> , 2018 , 334, 2142-2153	14.7	55
109	A new functionalized ionic liquid for efficient glucose conversion to 5-hydroxymethyl furfural and levulinic acid. <i>Journal of Molecular Catalysis A</i> , 2015 , 407, 113-121		53
108	Cold plasma dielectric barrier discharge reactor for dry reforming of methane over Ni/?-Al2O3-MgO nanocomposite. <i>Fuel Processing Technology</i> , 2018 , 178, 166-179	7.2	52
107	Optimization of direct conversion of methane to liquid fuels over Cu loaded W/ZSM-5 catalyst. <i>Fuel</i> , 2004 , 83, 487-494	7.1	51
106	A perspective on catalytic conversion of glycerol to olefins. <i>Biomass and Bioenergy</i> , 2013 , 55, 370-385	5.3	50
105	Optimization of renewable levulinic acid production from glucose conversion catalyzed by Fe/HY zeolite catalyst in aqueous medium. <i>Energy Conversion and Management</i> , 2015 , 95, 10-19	10.6	49
104	Recent advances in reactors for low-temperature Fischer-Tropsch synthesis: process intensification perspective. <i>Reviews in Chemical Engineering</i> , 2015 , 31,	5	49
103	Photo-induced CO2 reduction by hydrogen for selective CO evolution in a dynamic monolith photoreactor loaded with Ag-modified TiO2 nanocatalyst. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 15507-15522	6.7	47
102	Optimization of process parameters and catalyst compositions in carbon dioxide oxidative coupling of methane over CaOMnO/CeO2 catalyst using response surface methodology. <i>Fuel Processing Technology</i> , 2006 , 87, 449-459	7.2	46
101	Synergistic effect of catalyst basicity and reducibility on performance of ternary CeO2-based catalyst for CO2 OCM to C2 hydrocarbons. <i>Journal of Molecular Catalysis A</i> , 2006 , 259, 61-66		46
100	Revealing the role of kapok fibre as bio-template for In-situ construction of C-doped g-C3N4@C, N co-doped TiO2 core-shell heterojunction photocatalyst and its photocatalytic hydrogen production performance. <i>Applied Surface Science</i> , 2019 , 476, 205-220	6.7	46
99	Photocatalytic conversion of CO2 and CH4 over immobilized titania nanoparticles coated on mesh: Optimization and kinetic study. <i>Applied Energy</i> , 2016 , 162, 1171-1185	10.7	45

98	Bio-inspired hierarchical hetero-architectures of in-situ C-doped g-C3N4 grafted on C, N co-doped ZnO micro-flowers with booming solar photocatalytic activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 77, 393-407	6.3	43
97	Silver loaded protonated graphitic carbon nitride (Ag/pg-C3N4) nanosheets for stimulating CO2 reduction to fuels via photocatalytic bi-reforming of methane. <i>Applied Surface Science</i> , 2019 , 493, 18-31	6.7	42
96	Preparation of activated carbon from empty fruit bunch for hydrogen storage. <i>Journal of Energy Storage</i> , 2016 , 8, 257-261	7.8	42
95	Immobilized lipase-catalyzed transesterification of Jatropha curcas oil: Optimization and modeling. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 444-451	5.3	40
94	Optimization of Biomass Conversion to Levulinic Acid in Acidic Ionic Liquid and Upgrading of Levulinic Acid to Ethyl Levulinate. <i>Bioenergy Research</i> , 2017 , 10, 50-63	3.1	40
93	Evaluating the Performance of a Ni Catalyst Supported on La2O3-MgAl2O4 for Dry Reforming of Methane in a Packed Bed Dielectric Barrier Discharge Plasma Reactor. <i>Energy & Fuels</i> , 2019 , 33, 11630-11647	4.1	39
92	Emulsion liquid membrane stability in the extraction of ionized nanosilver from wash water. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3243-3250	6.3	38
91	Esterification of Levulinic Acid Using ZrO2-Supported Phosphotungstic Acid Catalyst for Ethyl Levulinate Production. <i>Bioenergy Research</i> , 2017 , 10, 1105-1116	3.1	38
90	Screening of combined zeolite-ozone system for phenol and COD removal. <i>Chemical Engineering Journal</i> , 2010 , 158, 520-527	14.7	38
89	Recent trends in photocatalytic materials for reduction of carbon dioxide to methanol. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 116, 109389	16.2	37
88	Kinetics and thermodynamic analysis of levulinic acid esterification using lignin-furfural carbon cryogel catalyst. <i>Renewable Energy</i> , 2019 , 130, 547-557	8.1	37
87	A Review on the Catalytic Acetalization of Bio-renewable Glycerol to Fuel Additives. <i>Frontiers in Chemistry</i> , 2018 , 6, 573	5	36
86	Oxidation of bio-renewable glycerol to value-added chemicals through catalytic and electro-chemical processes. <i>Applied Energy</i> , 2018 , 230, 1347-1379	10.7	36
85	Synthesis of hierarchical ZnV2O6 nanosheets with enhanced activity and stability for visible light driven CO2 reduction to solar fuels. <i>Applied Surface Science</i> , 2018 , 435, 953-962	6.7	34
84	Process optimization of DBD plasma dry reforming of methane over Ni/La2O3MgAl2O4 using multiple response surface methodology. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 11774-11787	6.7	32
83	Optimization of lignin production from empty fruit bunch via liquefaction with ionic liquid. <i>Bioresource Technology</i> , 2013 , 135, 690-6	11	32
82	Influence of process variables and optimization of ethylene yield in oxidative coupling of methane over Li/MgO catalyst. <i>Chemical Engineering Journal</i> , 2006 , 116, 187-195	14.7	32
81	Enhancement of visible light photocatalytic hydrogen evolution by bio-mimetic C-doped graphitic carbon nitride. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 13098-13105	6.7	29

80	Thermodynamic and experimental analysis on ethanol steam reforming for hydrogen production over Ni-modified TiO ₂ /MMT nanoclay catalyst. <i>Energy Conversion and Management</i> , 2017 , 154, 25-37	10.6	29
79	Gas phase selective conversion of glycerol to acrolein over supported silicotungstic acid catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 34, 300-312	6.3	27
78	Progress in Reactors for High-Temperature Fischer-Tropsch Process: Determination Place of Intensifier Reactor Perspective. <i>International Journal of Chemical Reactor Engineering</i> , 2014 , 12, 639-664	1.2	27
77	Enhanced Metal-Support Interaction in Ni/Co ₃ O ₄ /TiO ₂ Nanorods toward Stable and Dynamic Hydrogen Production from Phenol Steam Reforming. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 517-530	3.9	27
76	Photocatalytic conversion and kinetic study of CO ₂ and CH ₄ over nitrogen-doped titania nanotube arrays. <i>Journal of Cleaner Production</i> , 2016 , 111, 143-154	10.3	26
75	Optimization of hydrogen production via toluene steam reforming over Ni-Co supported modified-activated carbon using ANN coupled GA and RSM. <i>International Journal of Hydrogen Energy</i> , 2020 ,	6.7	26
74	Multi response optimization of oil palm frond pretreatment by ozonolysis. <i>Industrial Crops and Products</i> , 2016 , 85, 389-402	5.9	26
73	Effects of thermal treatment on carbon cryogel preparation for catalytic esterification of levulinic acid to ethyl levulinate. <i>Fuel Processing Technology</i> , 2017 , 167, 431-441	7.2	25
72	Kinetic study of dry reforming of methane using hybrid DBD plasma reactor over La ₂ O ₃ co-supported Ni/MgAl ₂ O ₄ catalyst. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 12256-12271	6.7	24
71	Thermo-kinetic assessment of glucose decomposition to 5-hydroxymethyl furfural and levulinic acid over acidic functionalized ionic liquid. <i>Chemical Engineering Journal</i> , 2018 , 335, 221-230	14.7	24
70	Current status of biohydrogen production from lignocellulosic biomass, technical challenges and commercial potential through pyrolysis process. <i>Energy</i> , 2021 , 226, 120433	7.9	24
69	Synthesis and characterization of carbon cryogel microspheres from lignin-furfural mixtures for biodiesel production. <i>Bioresource Technology</i> , 2015 , 190, 44-50	11	23
68	Supported silicotungstic acid on zirconia catalyst for gas phase dehydration of glycerol to acrolein. <i>Catalysis Today</i> , 2015 , 256, 315-324	5.3	21
67	A hybrid numerical approach for multi-responses optimization of process parameters and catalyst compositions in CO ₂ OCM process over CaO-MnO/CeO ₂ catalyst. <i>Chemical Engineering Journal</i> , 2005 , 106, 213-227	14.7	21
66	Catalytic Conversion of Carbohydrate Biomass in Ionic Liquids to 5-Hydroxymethyl Furfural and Levulinic Acid: A Review. <i>Bioenergy Research</i> , 2020 , 13, 693-736	3.1	19
65	Emerging trends in municipal solid waste incineration ashes research: a bibliometric analysis from 1994 to 2018. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 7757-7784	5.1	19
64	Esterification of Levulinic Acid to Levulinate Esters in the Presence of Sulfated Silica Catalyst 2018 , 47, 1131-1138		18
63	Coke-tolerant SiW ₂₀ -Al/Zr ₁₀ catalyst for glycerol dehydration to acrolein. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 1697-1710	11.3	17

62	Photocatalytic CO ₂ conversion over Au/TiO ₂ nanostructures for dynamic production of clean fuels in a monolith photoreactor. <i>Clean Technologies and Environmental Policy</i> , 2016 , 18, 2147-2160	4.3	17
61	Recent advances in green pre-treatment methods of lignocellulosic biomass for enhanced biofuel production. <i>Journal of Cleaner Production</i> , 2021 , 321, 129038	10.3	16
60	Kinetic Modeling, Thermodynamic, and Mass-Transfer Studies of Gas-Phase Glycerol Dehydration to Acrolein over Supported Silicotungstic Acid Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 8113-8121	3.9	14
59	Ethyl levulinate synthesis from biomass derivative chemicals using iron doped sulfonated carbon cryogel catalyst. <i>Journal of Cleaner Production</i> , 2021 , 281, 124686	10.3	14
58	Glucose precursor carbon-doped TiO ₂ heterojunctions for enhanced efficiency in photocatalytic reduction of carbon dioxide to methanol. <i>Journal of CO₂ Utilization</i> , 2019 , 33, 372-383	7.6	13
57	Oxidative coupling of methane in a corona discharge plasma reactor using HY zeolite as a catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014 , 113, 557-573	1.6	13
56	Preparation and Characterization of Impregnated Magnetic Particles on Oil Palm Frond Activated Carbon for Metal Ions Removal 2017 , 46, 773-782		13
55	Recovery of ionized nanosilver by emulsion liquid membrane process and parameters optimization using response surface methodology. <i>Desalination and Water Treatment</i> , 2016 , 57, 3339-3349		12
54	Dry reforming of methane over oil palm shell activated carbon and ZSM-5 supported cobalt catalysts. <i>International Journal of Green Energy</i> , 2017 , 14, 831-838	3	11
53	Catalyst Deactivation Simulation Through Carbon Deposition in Carbon Dioxide Reforming over Ni/CaO-Al ₂ O ₃ Catalyst. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2011 , 6,	1.7	11
52	Thermal dry reforming of methane over La ₂ O ₃ co-supported Ni/MgAl ₂ O ₄ catalyst for hydrogen-rich syngas production. <i>Research on Chemical Intermediates</i> , 2020 , 46, 3817-3833	2.8	11
51	Hydrogen Production from Methane Cracking in Dielectric Barrier Discharge Catalytic Plasma Reactor Using a Nanocatalyst. <i>Energies</i> , 2020 , 13, 5921	3.1	11
50	Esterification of Levulinic Acid to Ethyl Levulinate Using Liquefied Oil Palm Frond-Based Carbon Cryogel Catalyst. <i>Bioenergy Research</i> , 2019 , 12, 359-369	3.1	10
49	Thermo-kinetic and diffusion studies of glycerol dehydration to acrolein using HSiW- γ -Al ₂ O ₃ supported ZrO ₂ solid acid catalyst. <i>Renewable Energy</i> , 2017 , 114, 794-804	8.1	10
48	Theoretical and experimental evaluation of mass transfer limitation in gas phase dehydration of glycerol to acrolein over supported HSiW catalyst. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 59, 11-17	5.3	9
47	Agro-industrial residue gasification feasibility in captive power plants: A South-Asian case study. <i>Energy</i> , 2021 , 214, 118952	7.9	9
46	Photoinduced Dry and Bireforming of Methane to Fuels over La-Modified TiO ₂ in Fixed-Bed and Monolith Reactors. <i>Energy Technology</i> , 2020 , 8, 2000106	3.5	8
45	Comparison of response surface methodology and artificial neural network for optimum levulinic acid production from glucose, empty fruit bunch and kenaf. <i>International Journal of Nano and Biomaterials</i> , 2014 , 5, 59	0.2	8

44	Methane to Liquid Hydrocarbons over Tungsten-ZSM-5 and Tungsten Loaded Cu/ZSM-5 Catalysts. <i>Journal of Natural Gas Chemistry</i> , 2006 , 15, 340-347		8
43	Catalytic Conversion of Lignocellulosic Biomass to Levulinic Acid in Ionic Liquid. <i>BioResources</i> , 2013 , 8,	1.3	7
42	Methane conversion to higher hydrocarbons over W/HZSM-5-based catalysts in the presence of oxygen. <i>Catalysis Communications</i> , 2006 , 7, 403-407	3.2	7
41	Catalytic-Dielectric Barrier Discharge Plasma Reactor For Methane and Carbon Dioxide Conversion. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2007 , 2,	1.7	7
40	Hydrothermal liquefaction bioproduct of food waste conversion as an alternative composite of asphalt binder. <i>Journal of Cleaner Production</i> , 2021 , 282, 125422	10.3	7
39	Insights into enhancing photocatalytic reduction of CO ₂ : Substitutional defect strategy of modified g-C ₃ N ₄ by experimental and theoretical calculation approaches. <i>Journal of Alloys and Compounds</i> , 2021 , 871, 159464	5.7	7
38	Synthesis and characterization of porous microspherical ionic liquid carbon cryogel catalyst for ethyl levulinate production. <i>Diamond and Related Materials</i> , 2019 , 95, 154-165	3.5	6
37	Photocatalytic Conversion of Carbon Dioxide and Methane Over Titania Nanoparticles Coated Mesh: Optimization Study. <i>Energy Procedia</i> , 2014 , 61, 2485-2488	2.3	6
36	Thermodynamic Analysis of Glycerol Conversion to Olefins. <i>Energy Procedia</i> , 2014 , 61, 2489-2492	2.3	6
35	Complex gas - liquid reactions: Feedback from bulk liquid to liquid side film. <i>Chemical Engineering Science</i> , 1996 , 51, 2079-2088	4.4	6
34	Optimization of Oil Palm Fronds Conversion to Levulinic Acid using Fe/HY Zeolite Catalyst 2015 , 44, 883-890		6
33	Pretreatment of agroindustry waste by ozonolysis for synthesis of biorefinery products 2020 , 303-336		6
32	ESTERIFICATION OF RENEWABLE LEVULINIC ACID TO LEVULINATE ESTERS USING AMBERLYST-15 AS A SOLID ACID CATALYST. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016 , 79,	1.2	6
31	Fabricating 2D/2D/2D heterojunction of graphene oxide mediated g-C ₃ N ₄ and ZnV ₂ O ₆ composite with kinetic modelling for photocatalytic CO ₂ reduction to fuels under UV and visible light. <i>Journal of Materials Science</i> , 2021 , 56, 9985-10007	4.3	6
30	EMPIRICAL AND FEED FORWARD NEURAL NETWORKS MODELS OF TAPIOCA STARCH HYDROLYSIS. <i>Applied Artificial Intelligence</i> , 2006 , 20, 79-97	2.3	5
29	Production of gasoline range hydrocarbons from catalytic reaction of methane in the presence of ethylene over W/HZSM-5. <i>Catalysis Today</i> , 2005 , 106, 271-274	5.3	5
28	Gas-liquid reactions in well-mixed reactors: A fresh perspective. <i>Chemical Engineering Science</i> , 1996 , 51, 4561-4577	4.4	5
27	Methane dry reforming using oil palm shell activated carbon supported cobalt catalyst: Multi-response optimization. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 24754-24767	6.7	5

26	Catalysis in Biodiesel Synthesis: Challenges and Future Perspectives 2013 , 127-152		4
25	Single and Two-Step Homogeneous Catalyzed Transesterification of Waste Cooking Oil: Optimization by Response Surface Methodology. <i>International Journal of Green Energy</i> , 2015 , 12, 888-899		4
24	Kinetics study of the photocatalytic inactivation of Escherichia coli. <i>International Journal of Nano and Biomaterials</i> , 2016 , 6, 139	0.2	4
23	Catalytic Conversion of Oil Palm Fronds to Levulinic Acid in Ionic Liquid. <i>Applied Mechanics and Materials</i> , 2014 , 625, 361-365	0.3	3
22	Ethylene Conversion to Higher Hydrocarbon over Copper Loaded BZSM-5 in the Presence of Oxygen. <i>Journal of Natural Gas Chemistry</i> , 2006 , 15, 259-265		3
21	Recent developments in catalyst synthesis using DBD plasma for reforming applications. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 15367-15388	6.7	3
20	Reduction of CO emission by INCAM model in Malaysia biomass power plants during the year 2016. <i>Waste Management</i> , 2018 , 73, 256-264	8.6	3
19	Kinetic and dynamic analysis of ozonolysis pre-treatment of empty fruit bunch in a well-mixed reactor for sugar production. <i>Energy Conversion and Management</i> , 2021 , 244, 114526	10.6	3
18	Characterization of asphalt binder containing hydrothermal liquefied composition extracted from food waste. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 220, 012013	0.3	2
17	Optimization of Oil Palm Fronds Pretreatment Using Ionic Liquid for Levulinic Acid Production. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014 , 71,	1.2	2
16	Thermodynamic Analysis of Glycerol Steam Reforming to Ethylene. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014 , 67,	1.2	2
15	Pretreatment Of Empty Palm Fruit Bunch For Lignin Degradation. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2012 ,	1.2	2
14	Ionic Solid Nanomaterials: Synthesis, Characterization and Catalytic Properties Investigation. <i>Advanced Materials Research</i> , 2013 , 699, 155-160	0.5	2
13	Catalytic performance of hybrid nanocatalyst for levulinic acid production from glucose 2012 ,		2
12	OPTIMIZATION STUDIES OF OIL PALM EMPTY FRUIT BUNCH LIQUEFACTION FOR CARBON CRYOGEL PRODUCTION AS CATALYST IN LEVULINIC ACID ESTERIFICATION. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2018 , 80,	1.2	2
11	Chemical and Structural Changes of Ozonated Empty Fruit Bunch (EFB) in a Ribbon-Mixer Reactor. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2021 , 16, 383-395	1.7	2
10	Aspirin Adsorption onto Activated Carbon Derived from Spent Tea Leaves: Statistical Optimization and Regeneration Study. <i>International Journal of Environmental Research</i> , 2021 , 15, 413-426	2.9	2
9	Modelling of ozone multiphase flow behaviour in an ozonolysis pretreatment reactor. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1053, 012109	0.4	2

8	Catalytic ozonation of aqueous phenol over metal-loaded HZSM-5. <i>Water Science and Technology</i> , 2011 , 63, 1651-6	2.2	1
7	Electrochemical Generation of Hydrogen and Methanol using ITO Sheet Decorated with Modified-Titania as Electrode. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2021 , 16, 430-439	1.7	1
6	Catalytic pyrolysis of biomass using shape-selective zeolites for bio-oil enhancement 2021 , 39-60		1
5	Bio-fuel additive synthesized from levulinic acid using ionic liquid-furfural based carbon catalyst: Kinetic, thermodynamic and mechanism studies. <i>Chemical Engineering Science</i> , 2022 , 247, 117079	4.4	1
4	Unveiling the structural, electronic, and optical effects of carbon-doping on multi-layer anatase TiO ₂ (101) and the impact on photocatalysis. <i>Applied Surface Science</i> , 2022 , 586, 152641	6.7	0
3	Designed mesoporous silica nanoparticles to mitigate against reservoir fines migration. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	0
2	Oxygen-rich ultramicroporous activated carbon for boosting H ₂ production via toluene steam reforming: Effect of H ₂ O ₂ -modification and Ni/Co loading. <i>Fuel Processing Technology</i> , 2022 , 232, 107275	7.2	0
1	Effects of the Heat Carrier Temperature and Particle Size on the Pyrolysis of <i>Imperata cylindrica</i> in a Transported Bed Reactor. <i>Applied Mechanics and Materials</i> , 2014 , 625, 612-615	0.3	