Amin, Nas

List of Publications by Year in Descending Order

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	Unveiling the structural, electronic, and optical effects of carbon-doping on multi-layer anatase TiO2 (101) and the impact on photocatalysis. *Applied Surface Science*, **2022**, 586, 152641	6.7	0
150	Bio-fuel additive synthesized from levulinic acid using ionic liquid-furfural based carbon catalyst: Kinetic, thermodynamic and mechanism studies. *Chemical Engineering Science*, **2022**, 247, 117079	4.4	1
149	Oxygen-rich ultramicroporous activated carbon for boosting H2 production via toluene steam reforming: Effect of H2O2-modification and Ni/Co loading. *Fuel Processing Technology*, **2022**, 232, 107275	7.2	0
148	Chemical and Structural Changes of Ozonated Empty Fruit Bunch (EFB) in a Ribbon-Mixer Reactor. *Bulletin of Chemical Reaction Engineering and Catalysis*, **2021**, 16, 383-395	1.7	2
147	Recent developments in catalyst synthesis using DBD plasma for reforming applications. *International Journal of Hydrogen Energy*, **2021**, 46, 15367-15388	6.7	3
146	Electrochemical Generation of Hydrogen and Methanol using ITO Sheet Decorated with Modified-Titania as Electrode. *Bulletin of Chemical Reaction Engineering and Catalysis*, **2021**, 16, 430-439	1.7	1
145	Current status of biohydrogen production from lignocellulosic biomass, technical challenges and commercial potential through pyrolysis process. *Energy*, **2021**, 226, 120433	7.9	24
144	Methane dry reforming using oil palm shell activated carbon supported cobalt catalyst: Multi-response optimization. *International Journal of Hydrogen Energy*, **2021**, 46, 24754-24767	6.7	5
143	Agro-industrial residue gasification feasibility in captive power plants: A South-Asian case study. *Energy*, **2021**, 214, 118952	7.9	9
142	Ethyl levulinate synthesis from biomass derivative chemicals using iron doped sulfonated carbon cryogel catalyst. *Journal of Cleaner Production*, **2021**, 281, 124686	10.3	14
141	Catalytic pyrolysis of biomass using shape-selective zeolites for bio-oil enhancement **2021**, 39-60		1
140	Hydrothermal liquefaction bioproduct of food waste conversion as an alternative composite of asphalt binder. *Journal of Cleaner Production*, **2021**, 282, 125422	10.3	7
139	Aspirin Adsorption onto Activated Carbon Derived from Spent Tea Leaves: Statistical Optimization and Regeneration Study. *International Journal of Environmental Research*, **2021**, 15, 413-426	2.9	2
138	Modelling of ozone multiphase flow behaviour in an ozonolysis pretreatment reactor. *IOP Conference Series: Materials Science and Engineering*, **2021**, 1053, 012109	0.4	2
137	Fabricating 2D/2D/2D heterojunction of graphene oxide mediated g-C3N4 and ZnV2O6 composite with kinetic modelling for photocatalytic CO2 reduction to fuels under UV and visible light. *Journal of Materials Science*, **2021**, 56, 9985-10007	4.3	6
136	Insights into enhancing photocatalytic reduction of CO2: Substitutional defect strategy of modified g-C3N4 by experimental and theoretical calculation approaches. *Journal of Alloys and Compounds*, **2021**, 871, 159464	5.7	7
135	Kinetic and dynamic analysis of ozonolysis pre-treatment of empty fruit bunch in a well-mixed reactor for sugar production. *Energy Conversion and Management*, **2021**, 244, 114526	10.6	3

134	Recent advances in green pre-treatment methods of lignocellulosic biomass for enhanced biofuel production. *Journal of Cleaner Production*, **2021**, 321, 129038	10.3	16
133	Photoinduced Dry and Bireforming of Methane to Fuels over La-Modified TiO2 in Fixed-Bed and Monolith Reactors. *Energy Technology*, **2020**, 8, 2000106	3.5	8
132	Optimization of hydrogen production via toluene steam reforming over Ni/Co supported modified-activated carbon using ANN coupled GA and RSM. *International Journal of Hydrogen Energy*, **2020**,	6.7	26
131	Effective removal of anionic textile dyes using adsorbent synthesized from coffee waste. *Scientific Reports*, **2020**, 10, 2928	4.9	96
130	Catalytic Conversion of Carbohydrate Biomass in Ionic Liquids to 5-Hydroxymethyl Furfural and Levulinic Acid: A Review. *Bioenergy Research*, **2020**, 13, 693-736	3.1	19
129	Kinetic study of dry reforming of methane using hybrid DBD plasma reactor over La2O3 co-supported Ni/MgAl2O4 catalyst. *International Journal of Hydrogen Energy*, **2020**, 45, 12256-12271	6.7	24
128	Thermal dry reforming of methane over La2O3 co-supported Ni/MgAl2O4 catalyst for hydrogen-rich syngas production. *Research on Chemical Intermediates*, **2020**, 46, 3817-3833	2.8	11
127	Emerging trends in municipal solid waste incineration ashes research: a bibliometric analysis from 1994 to 2018. *Environmental Science and Pollution Research*, **2020**, 27, 7757-7784	5.1	19
126	Copper and calcium-based metal organic framework (MOF) catalyst for biodiesel production from waste cooking oil: A process optimization study. *Energy Conversion and Management*, **2020**, 215, 112934	10.6	56
125	Pretreatment of agroindustry waste by ozonolysis for synthesis of biorefinery products **2020**, 303-336		6
124	Hydrogen Production from Methane Cracking in Dielectric Barrier Discharge Catalytic Plasma Reactor Using a Nanocatalyst. *Energies*, **2020**, 13, 5921	3.1	11
123	Recent trends in photocatalytic materials for reduction of carbon dioxide to methanol. *Renewable and Sustainable Energy Reviews*, **2019**, 116, 109389	16.2	37
122	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. *Applied Catalysis B: Environmental*, **2019**, 248, 167-183	21.8	60
121	Recent developments in non-thermal catalytic DBD plasma reactor for dry reforming of methane. *Energy Conversion and Management*, **2019**, 183, 529-560	10.6	79
120	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. *Journal of Industrial and Engineering Chemistry*, **2019**, 77, 393-407	6.3	43
119	Esterification of Levulinic Acid to Ethyl Levulinate Using Liquefied Oil Palm Frond-Based Carbon Cryogel Catalyst. *Bioenergy Research*, **2019**, 12, 359-369	3.1	10
118	Characterization of asphalt binder containing hydrothermal liquefied composition extracted from food waste. *IOP Conference Series: Earth and Environmental Science*, **2019**, 220, 012013	0.3	2
117	Synthesis and characterization of porous microspherical ionic liquid carbon cryogel catalyst for ethyl levulinate production. *Diamond and Related Materials*, **2019**, 95, 154-165	3.5	6

116	Enhancement of visible light photocatalytic hydrogen evolution by bio-mimetic C-doped graphitic carbon nitride. *International Journal of Hydrogen Energy*, **2019**, 44, 13098-13105	6.7	29
115	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. *Industrial & Engineering Chemistry Research*, **2019**,	3.9	64
114	Process optimization of DBD plasma dry reforming of methane over Ni/La2O3MgAl2O4 using multiple response surface methodology. *International Journal of Hydrogen Energy*, **2019**, 44, 11774-11787	6.7	32
113	Kinetics and thermodynamic analysis of levulinic acid esterification using lignin-furfural carbon cryogel catalyst. *Renewable Energy*, **2019**, 130, 547-557	8.1	37
112	Glucose precursor carbon-doped TiO2 heterojunctions for enhanced efficiency in photocatalytic reduction of carbon dioxide to methanol. *Journal of CO2 Utilization*, **2019**, 33, 372-383	7.6	13
111	Silver loaded protonated graphitic carbon nitride (Ag/pg-C3N4) nanosheets for stimulating CO2 reduction to fuels via photocatalytic bi-reforming of methane. *Applied Surface Science*, **2019**, 493, 18-31	6.7	42
110	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. *Energy & Fuels*, **2019**, 33, 11630-11647	4.1	39
109	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. *Applied Surface Science*, **2019**, 476, 205-220	6.7	46
108	Enhanced Metal–Support Interaction in Ni/Co3O4/TiO2 Nanorods toward Stable and Dynamic Hydrogen Production from Phenol Steam Reforming. *Industrial & Engineering Chemistry Research*, **2019**, 58, 517-530	3.9	27
107	Adsorption of anionic dyes on spent tea leaves modified with polyethyleneimine (PEI-STL). *Journal of Cleaner Production*, **2019**, 206, 394-406	10.3	123
106	Well-designed ZnV2O6/g-C3N4 2D/2D nanosheets heterojunction with faster charges separation via pCN as mediator towards enhanced photocatalytic reduction of CO2 to fuels. *Applied Catalysis B: Environmental*, **2019**, 242, 312-326	21.8	125
105	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. *Energy Conversion and Management*, **2018**, 159, 284-298	10.6	60
104	Thermo-kinetic assessment of glucose decomposition to 5-hydroxymethyl furfural and levulinic acid over acidic functionalized ionic liquid. *Chemical Engineering Journal*, **2018**, 335, 221-230	14.7	24
103	OPTIMIZATION STUDIES OF OIL PALM EMPTY FRUIT BUNCH LIQUEFACTION FOR CARBON CRYOGEL PRODUCTION AS CATALYST IN LEVULINIC ACID ESTERIFICATION. *Jurnal Teknologi (Sciences and Engineering)*, **2018**, 80,	1.2	2
102	Esterification of Levulinic Acid to Levulinate Esters in the Presence of Sulfated Silica Catalyst **2018**, 47, 1131-1138		18
101	Synthesis of hierarchical ZnV2O6 nanosheets with enhanced activity and stability for visible light driven CO2 reduction to solar fuels. *Applied Surface Science*, **2018**, 435, 953-962	6.7	34
100	Synergistic effects of 2D/2D ZnV2O6/RGO nanosheets heterojunction for stable and high performance photo-induced CO2 reduction to solar fuels. *Chemical Engineering Journal*, **2018**, 334, 2142-2153	14.7	55
99	Reduction of CO emission by INCAM model in Malaysia biomass power plants during the year 2016. *Waste Management*, **2018**, 73, 256-264	8.6	3

98	A Review on the Catalytic Acetalization of Bio-renewable Glycerol to Fuel Additives. *Frontiers in Chemistry*, **2018**, 6, 573	5	36
97	Oxidation of bio-renewable glycerol to value-added chemicals through catalytic and electro-chemical processes. *Applied Energy*, **2018**, 230, 1347-1379	10.7	36
96	Constructing bio-templated 3D porous microtubular C-doped g-C3N4 with tunable band structure and enhanced charge carrier separation. *Applied Catalysis B: Environmental*, **2018**, 236, 265-279	21.8	131
95	Cold plasma dielectric barrier discharge reactor for dry reforming of methane over Ni/?-Al2O3-MgO nanocomposite. *Fuel Processing Technology*, **2018**, 178, 166-179	7.2	52
94	Hydrogen production from catalytic steam reforming of glycerol over various supported nickel catalysts. *International Journal of Hydrogen Energy*, **2017**, 42, 9087-9098	6.7	58
93	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. *Journal of CO2 Utilization*, **2017**, 18, 261-274	7.6	115
92	Photo-induced reduction of CO2 to CO with hydrogen over plasmonic Ag-NPs/TiO2 NWs core/shell hetero-junction under UV and visible light. *Journal of CO2 Utilization*, **2017**, 18, 250-260	7.6	61
91	Dry reforming of methane using different dielectric materials and DBD plasma reactor configurations. *Energy Conversion and Management*, **2017**, 144, 262-274	10.6	69
90	Photo-induced CO2 reduction by CH4/H2O to fuels over Cu-modified g-C3N4 nanorods under simulated solar energy. *Applied Surface Science*, **2017**, 419, 875-885	6.7	111
89	Photo-induced CO2 reduction by hydrogen for selective CO evolution in a dynamic monolith photoreactor loaded with Ag-modified TiO2 nanocatalyst. *International Journal of Hydrogen Energy*, **2017**, 42, 15507-15522	6.7	47
88	Dry reforming of methane over oil palm shell activated carbon and ZSM-5 supported cobalt catalysts. *International Journal of Green Energy*, **2017**, 14, 831-838	3	11
87	Synergistic effect in plasmonic Au/Ag alloy NPs co-coated TiO2 NWs toward visible-light enhanced CO2 photoreduction to fuels. *Applied Catalysis B: Environmental*, **2017**, 204, 548-560	21.8	189
86	Esterification of Levulinic Acid Using ZrO2-Supported Phosphotungstic Acid Catalyst for Ethyl Levulinate Production. *Bioenergy Research*, **2017**, 10, 1105-1116	3.1	38
85	Effects of thermal treatment on carbon cryogel preparation for catalytic esterification of levulinic acid to ethyl levulinate. *Fuel Processing Technology*, **2017**, 167, 431-441	7.2	25
84	Thermodynamic and experimental analysis on ethanol steam reforming for hydrogen production over Ni-modified TiO2/MMT nanoclay catalyst. *Energy Conversion and Management*, **2017**, 154, 25-37	10.6	29
83	Coke-tolerant SiW20-Al/Zr10 catalyst for glycerol dehydration to acrolein. *Chinese Journal of Catalysis*, **2017**, 38, 1697-1710	11.3	17
82	MMT-supported Ni/TiO2 nanocomposite for low temperature ethanol steam reforming toward hydrogen production. *Chemical Engineering Journal*, **2017**, 326, 956-969	14.7	72
81	Optimization of Biomass Conversion to Levulinic Acid in Acidic Ionic Liquid and Upgrading of Levulinic Acid to Ethyl Levulinate. *Bioenergy Research*, **2017**, 10, 50-63	3.1	40

80	Preparation and Characterization of Impregnated Magnetic Particles on Oil Palm Frond Activated Carbon for Metal Ions Removal **2017**, 46, 773-782		13
79	Thermo-kinetic and diffusion studies of glycerol dehydration to acrolein using HSiW-□Al2O3 supported ZrO2 solid acid catalyst. *Renewable Energy*, **2017**, 114, 794-804	8.1	10
78	Performance analysis of nanostructured NiO□h 2 O 3 /TiO 2 catalyst for CO 2 photoreduction with H 2 in a monolith photoreactor. *Chemical Engineering Journal*, **2016**, 285, 635-649	14.7	74
77	Photocatalytic conversion and kinetic study of CO2 and CH4 over nitrogen-doped titania nanotube arrays. *Journal of Cleaner Production*, **2016**, 111, 143-154	10.3	26
76	Theoretical and experimental evaluation of mass transfer limitation in gas phase dehydration of glycerol to acrolein over supported HSiW catalyst. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 59, 11-17	5.3	9
75	Kinetic study of glucose conversion to levulinic acid over Fe/HY zeolite catalyst. *Chemical Engineering Journal*, **2016**, 283, 150-159	14.7	83
74	Photocatalytic conversion of CO2 and CH4 over immobilized titania nanoparticles coated on mesh: Optimization and kinetic study. *Applied Energy*, **2016**, 162, 1171-1185	10.7	45
73	Photocatalytic CO2 methanation over NiO/In2O3 promoted TiO2 nanocatalysts using H2O and/or H2 reductants. *Energy Conversion and Management*, **2016**, 119, 368-378	10.6	68
72	Recovery of ionized nanosilver by emulsion liquid membrane process and parameters optimization using response surface methodology. *Desalination and Water Treatment*, **2016**, 57, 3339-3349		12
71	Gas phase selective conversion of glycerol to acrolein over supported silicotungstic acid catalyst. *Journal of Industrial and Engineering Chemistry*, **2016**, 34, 300-312	6.3	27
70	A review on removal of pharmaceuticals from water by adsorption. *Desalination and Water Treatment*, **2016**, 57, 12842-12860		139
69	ESTERIFICATION OF RENEWABLE LEVULINIC ACID TO LEVULINATE ESTERS USING AMBERLYST-15 AS A SOLID ACID CATALYST. *Jurnal Teknologi (Sciences and Engineering)*, **2016**, 79,	1.2	6
68	Kinetics study of the photocatalytic inactivation of Escherichia coli. *International Journal of Nano and Biomaterials*, **2016**, 6, 139	0.2	4
67	Selective photocatalytic reduction of CO2 by H2O/H2 to CH4 and CH3OH over Cu-promoted In2O3/TiO2 nanocatalyst. *Applied Surface Science*, **2016**, 389, 46-55	6.7	91
66	Multi response optimization of oil palm frond pretreatment by ozonolysis. *Industrial Crops and Products*, **2016**, 85, 389-402	5.9	26
65	Photocatalytic CO2 conversion over Au/TiO2 nanostructures for dynamic production of clean fuels in a monolith photoreactor. *Clean Technologies and Environmental Policy*, **2016**, 18, 2147-2160	4.3	17
64	Preparation of activated carbon from empty fruit bunch for hydrogen storage. *Journal of Energy Storage*, **2016**, 8, 257-261	7.8	42
63	A new functionalized ionic liquid for efficient glucose conversion to 5-hydroxymethyl furfural and levulinic acid. *Journal of Molecular Catalysis A*, **2015**, 407, 113-121		53

62	Synthesis and characterization of carbon cryogel microspheres from lignin-furfural mixtures for biodiesel production. *Bioresource Technology*, **2015**, 190, 44-50	11	23
61	Optimization of renewable levulinic acid production from glucose conversion catalyzed by Fe/HY zeolite catalyst in aqueous medium. *Energy Conversion and Management*, **2015**, 95, 10-19	10.6	49
60	Kinetic Modeling, Thermodynamic, and Mass-Transfer Studies of Gas-Phase Glycerol Dehydration to Acrolein over Supported Silicotungstic Acid Catalyst. *Industrial & Engineering Chemistry Research*, **2015**, 54, 8113-8121	3.9	14
59	Gold-nanoparticle-modified TiO2 nanowires for plasmon-enhanced photocatalytic CO2 reduction with H2 under visible light irradiation. *Applied Surface Science*, **2015**, 356, 1289-1299	6.7	119
58	Fe/HY zeolite as an effective catalyst for levulinic acid production from glucose: Characterization and catalytic performance. *Applied Catalysis B: Environmental*, **2015**, 163, 487-498	21.8	156
57	Supported silicotungstic acid on zirconia catalyst for gas phase dehydration of glycerol to acrolein. *Catalysis Today*, **2015**, 256, 315-324	5.3	21
56	Recent advances in reactors for low-temperature Fischer-Tropsch synthesis: process intensification perspective. *Reviews in Chemical Engineering*, **2015**, 31,	5	49
55	Single and Two-Step Homogeneous Catalyzed Transesterification of Waste Cooking Oil: Optimization by Response Surface Methodology. *International Journal of Green Energy*, **2015**, 12, 888-899	3	4
54	Optimization of Oil Palm Fronds Conversion to Levulinic Acid using Fe/HY Zeolite Catalyst **2015**, 44, 883-890		6
53	Hydrogenation of CO2 to value-added products□A review and potential future developments. *Journal of CO2 Utilization*, **2014**, 5, 66-81	7.6	551
52	Esterification of oleic acid to biodiesel using magnetic ionic liquid: Multi-objective optimization and kinetic study. *Applied Energy*, **2014**, 114, 809-818	10.7	90
51	Glycerol for renewable acrolein production by catalytic dehydration. *Renewable and Sustainable Energy Reviews*, **2014**, 40, 28-59	16.2	105
50	Catalytic hydrolysis of cellulose and oil palm biomass in ionic liquid to reducing sugar for levulinic acid production. *Fuel Processing Technology*, **2014**, 128, 490-498	7.2	66
49	Immobilized lipase-catalyzed transesterification of Jatropha curcas oil: Optimization and modeling. *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45, 444-451	5.3	40
48	Emulsion liquid membrane stability in the extraction of ionized nanosilver from wash water. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 3243-3250	6.3	38
47	Progress in Reactors for High-Temperature Fischer□Tropsch Process: Determination Place of Intensifier Reactor Perspective. *International Journal of Chemical Reactor Engineering*, **2014**, 12, 639-664	1.2	27
46	Comparison of response surface methodology and artificial neural network for optimum levulinic acid production from glucose, empty fruit bunch and kenaf. *International Journal of Nano and Biomaterials*, **2014**, 5, 59	0.2	8
45	Photocatalytic Conversion of Carbon Dioxide and Methane Over Titania Nanoparticles Coated Mesh: Optimization Study. *Energy Procedia*, **2014**, 61, 2485-2488	2.3	6

44	Thermodynamic Analysis of Glycerol Conversion to Olefins. *Energy Procedia*, **2014**, 61, 2489-2492	2.3	6
43	Optimization of Oil Palm Fronds Pretreatment Using Ionic Liquid for Levulinic Acid Production. *Jurnal Teknologi (Sciences and Engineering)*, **2014**, 71,	1.2	2
42	Thermodynamic Analysis of Glycerol Steam Reforming to Ethylene. *Jurnal Teknologi (Sciences and Engineering)*, **2014**, 67,	1.2	2
41	Catalytic Conversion of Oil Palm Fronds to Levulinic Acid in Ionic Liquid. *Applied Mechanics and Materials*, **2014**, 625, 361-365	0.3	3
40	Effects of the Heat Carrier's Temperature and Particle Size on the Pyrolysis of Imperata cylindrica in a Transported Bed Reactor. *Applied Mechanics and Materials*, **2014**, 625, 612-615	0.3	
39	Oxidative coupling of methane in a corona discharge plasma reactor using HY zeolite as a catalyst. *Reaction Kinetics, Mechanisms and Catalysis*, **2014**, 113, 557-573	1.6	13
38	Characterization and performance of hybrid catalysts for levulinic acid production from glucose. *Microporous and Mesoporous Materials*, **2013**, 171, 14-23	5.3	75
37	Optimization of oleic acid esterification catalyzed by ionic liquid for green biodiesel synthesis. *Energy Conversion and Management*, **2013**, 76, 818-827	10.6	91
36	A review on novel processes of biodiesel production from waste cooking oil. *Applied Energy*, **2013**, 104, 683-710	10.7	500
35	Optimization of lignin production from empty fruit bunch via liquefaction with ionic liquid. *Bioresource Technology*, **2013**, 135, 690-6	11	32
34	Catalysis in Biodiesel Synthesis: Challenges and Future Perspectives **2013**, 127-152		4
33	Microwave assisted biodiesel production from Jatropha curcas L. seed by two-step in situ process: optimization using response surface methodology. *Bioresource Technology*, **2013**, 136, 565-73	11	76
32	A perspective on catalytic conversion of glycerol to olefins. *Biomass and Bioenergy*, **2013**, 55, 370-385	5.3	50
31	Transesterification of waste cooking oil by heteropoly acid (HPA) catalyst: Optimization and kinetic model. *Applied Energy*, **2013**, 102, 283-292	10.7	139
30	Ionic Solid Nanomaterials: Synthesis, Characterization and Catalytic Properties Investigation. *Advanced Materials Research*, **2013**, 699, 155-160	0.5	2
29	Catalytic Conversion of Lignocellulosic Biomass to Levulinic Acid in Ionic Liquid. *BioResources*, **2013**, 8,	1.3	7
28	Optimization of levulinic acid from lignocellulosic biomass using a new hybrid catalyst. *Bioresource Technology*, **2012**, 116, 58-65	11	90
27	An overview of ionic liquids as solvents in biodiesel synthesis. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 5770-5786	16.2	123

26	Pretreatment Of Empty Palm Fruit Bunch For Lignin Degradation. *Jurnal Teknologi (Sciences and Engineering)*, **2012**,	1.2	2
25	Catalytic performance of hybrid nanocatalyst for levulinic acid production from glucose **2012**,		2
24	Catalyst Deactivation Simulation Through Carbon Deposition in Carbon Dioxide Reforming over Ni/CaO-Al2O3 Catalyst. *Bulletin of Chemical Reaction Engineering and Catalysis*, **2011**, 6,	1.7	11
23	Biodiesel production from waste cooking oil over alkaline modified zirconia catalyst. *Fuel Processing Technology*, **2011**, 92, 2397-2405	7.2	139
22	Optimization of heterogeneous biodiesel production from waste cooking palm oil via response surface methodology. *Biomass and Bioenergy*, **2011**, 35, 1329-1338	5.3	156
21	A review on process conditions for optimum bio-oil yield in hydrothermal liquefaction of biomass. *Renewable and Sustainable Energy Reviews*, **2011**, 15, 1615-1624	16.2	670
20	Catalytic ozonation of aqueous phenol over metal-loaded HZSM-5. *Water Science and Technology*, **2011**, 63, 1651-6	2.2	1
19	Screening of combined zeolite-ozone system for phenol and COD removal. *Chemical Engineering Journal*, **2010**, 158, 520-527	14.7	38
18	Pretreatment of empty palm fruit bunch for production of chemicals via catalytic pyrolysis. *Bioresource Technology*, **2009**, 100, 2867-73	11	106
17	Thermodynamic equilibrium analysis of combined carbon dioxide reforming with partial oxidation of methane to syngas. *International Journal of Hydrogen Energy*, **2007**, 32, 1789-1798	6.7	92
16	Modelling and optimization of catalytic dielectric barrier discharge plasma reactor for methane and carbon dioxide conversion using hybrid artificial neural network genetic algorithm technique. *Chemical Engineering Science*, **2007**, 62, 6568-6581	4.4	65
15	Catalytic-Dielectric Barrier Discharge Plasma Reactor For Methane and Carbon Dioxide Conversion. *Bulletin of Chemical Reaction Engineering and Catalysis*, **2007**, 2,	1.7	7
14	Ethylene Conversion to Higher Hydrocarbon over Copper Loaded BZSM-5 in the Presence of Oxygen. *Journal of Natural Gas Chemistry*, **2006**, 15, 259-265		3
13	Methane to Liquid Hydrocarbons over Tungsten-ZSM-5 and Tungsten Loaded Cu/ZSM-5 Catalysts. *Journal of Natural Gas Chemistry*, **2006**, 15, 340-347		8
12	Methane conversion to higher hydrocarbons over W/HZSM-5-based catalysts in the presence of oxygen. *Catalysis Communications*, **2006**, 7, 403-407	3.2	7
11	EMPIRICAL AND FEED FORWARD NEURAL NETWORKS MODELS OF TAPIOCA STARCH HYDROLYSIS. *Applied Artificial Intelligence*, **2006**, 20, 79-97	2.3	5
10	Influence of process variables and optimization of ethylene yield in oxidative coupling of methane over Li/MgO catalyst. *Chemical Engineering Journal*, **2006**, 116, 187-195	14.7	32
9	Co-generation of synthesis gas and C2+ hydrocarbons from methane and carbon dioxide in a hybrid catalytic-plasma reactor: A review. *Fuel*, **2006**, 85, 577-592	7.1	119

8	Optimization of process parameters and catalyst compositions in carbon dioxide oxidative coupling of methane over CaO MnO/CeO2 catalyst using response surface methodology. *Fuel Processing Technology*, **2006**, 87, 449-459	7.2	46
7	Synergistic effect of catalyst basicity and reducibility on performance of ternary CeO2-based catalyst for CO2 OCM to C2 hydrocarbons. *Journal of Molecular Catalysis A*, **2006**, 259, 61-66		46
6	Production of gasoline range hydrocarbons from catalytic reaction of methane in the presence of ethylene over W/HZSM-5. *Catalysis Today*, **2005**, 106, 271-274	5.3	5
5	A hybrid numerical approach for multi-responses optimization of process parameters and catalyst compositions in CO2 OCM process over CaO-MnO/CeO2 catalyst. *Chemical Engineering Journal*, **2005**, 106, 213-227	14.7	21
4	Optimization of direct conversion of methane to liquid fuels over Cu loaded W/ZSM-5 catalyst. *Fuel*, **2004**, 83, 487-494	7.1	51
3	Complex gas - liquid reactions: Feedback from bulk liquid to liquid side film. *Chemical Engineering Science*, **1996**, 51, 2079-2088	4.4	6
2	Gas-liquid reactions in well-mixed reactors A fresh perspective. *Chemical Engineering Science*, **1996**, 51, 4561-4577	4.4	5
1	Designed mesoporous silica nanoparticles to mitigate against reservoir fines migration. *Biomass Conversion and Biorefinery*,1	2.3	0