

Mohd Asmadi

List of Publications by Year in descending order

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64
papers

2,929
citations

212478

28
h-index

190340

53
g-index

64
all docs

64
docs citations

64
times ranked

3786
citing authors

#	ARTICLE	IF	CITATIONS
1	Designed mesoporous silica nanoparticles to mitigate against reservoir fines migration. Biomass Conversion and Biorefinery, 2024, 14, 2677-2692.	2.9	3
2	Amine-impregnated silica zeolite from microalgae ash at different calcination temperatures for CO ₂ capture. International Journal of Energy Research, 2022, 46, 1220-1233.	2.2	3
3	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.	1.9	4
4	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. Fuel Processing Technology, 2022, 232, 107275.	3.7	7
5	Zeolite immobilized ionic liquid as an effective catalyst for conversion of biomass derivatives to levulinic acid. Molecular Catalysis, 2022, 528, 112506.	1.0	6
6	Methane dry reforming using oil palm shell activated carbon supported cobalt catalyst: Multi-response optimization. International Journal of Hydrogen Energy, 2021, 46, 24754-24767.	3.8	11
7	Ethyl levulinate synthesis from biomass derivative chemicals using iron doped sulfonated carbon cryogel catalyst. Journal of Cleaner Production, 2021, 281, 124686.	4.6	31
8	Aspirin Adsorption onto Activated Carbon Derived from Spent Tea Leaves: Statistical Optimization and Regeneration Study. International Journal of Environmental Research, 2021, 15, 413-426.	1.1	9
9	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. Journal of Materials Science, 2021, 56, 9985-10007.	1.7	18
10	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.	0.5	4
11	Pretreatment of agroindustry waste by ozonolysis for synthesis of biorefinery products. , 2020, , 303-336.		7
12	Photoinduced Dry and Bireforming of Methane to Fuels over La-Modified TiO ₂ in Fixed-Bed and Monolith Reactors. Energy Technology, 2020, 8, 2000106.	1.8	11
13	High-Performance Bimetallic Catalysts for Low-Temperature Carbon Dioxide Reforming of Methane. Chemical Engineering and Technology, 2020, 43, 661-671.	0.9	19
14	Effective removal of anionic textile dyes using adsorbent synthesized from coffee waste. Scientific Reports, 2020, 10, 2928.	1.6	211
15	Catalytic Conversion of Carbohydrate Biomass in Ionic Liquids to 5-Hydroxymethyl Furfural and Levulinic Acid: A Review. Bioenergy Research, 2020, 13, 693-736.	2.2	45
16	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.	2.7	48
17	Kinetics and thermodynamic analysis of levulinic acid esterification using lignin-furfural carbon cryogel catalyst. Renewable Energy, 2019, 130, 547-557.	4.3	44
18	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.	10.8	79

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19	Esterification of Levulinic Acid to Ethyl Levulinate Using Liquefied Oil Palm Frond-Based Carbon Cryogel Catalyst. <i>Bioenergy Research</i> , 2019, 12, 359-369.	2.2	18
20	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.	1.8	9
21	Indirect Z-Scheme Assembly of 2D ZnV ₂ O ₆ /RGO/g-C ₃ N ₄ Nanosheets with RGO/pCN as Solid-State Electron Mediators toward Visible-Light-Enhanced CO ₂ Reduction. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8612-8624.	1.8	84
22	Reduction of CO ₂ emission by INCAM model in Malaysia biomass power plants during the year 2016. <i>Waste Management</i> , 2018, 73, 256-264.	3.7	9
23	The effect of uronic acid moieties on xylan pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 136, 215-221.	2.6	15
24	Liquefaction Behaviors of Oil Palm Frond and Bamboo in 1-Butyl-3-Methylimidazolium Chloride. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2018, 13, 447.	0.5	1
25	Characteristics of softwood and hardwood pyrolysis in an ampoule reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 523-535.	2.6	21
26	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.	2.1	15
27	Esterification of Levulinic Acid Using ZrO ₂ -Supported Phosphotungstic Acid Catalyst for Ethyl Levulinate Production. <i>Bioenergy Research</i> , 2017, 10, 1105-1116.	2.2	46
28	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.	3.7	28
29	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.	2.2	55
30	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, .	0.3	14
31	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.	2.1	21
32	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.	1.0	18
33	A review on removal of pharmaceuticals from water by adsorption. <i>Desalination and Water Treatment</i> , 2016, 57, 12842-12860.	1.0	220
34	Kinetic study of glucose conversion to levulinic acid over Fe/HY zeolite catalyst. <i>Chemical Engineering Journal</i> , 2016, 283, 150-159.	6.6	109
35	Recent advances in reactors for low-temperature Fischer-Tropsch synthesis: process intensification perspective. <i>Reviews in Chemical Engineering</i> , 2015, 31, .	2.3	56
36	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.	4.8	63

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37	Synthesis and characterization of carbon cryogel microspheres from lignin-furfural mixtures for biodiesel production. <i>Bioresource Technology</i> , 2015, 190, 44-50.	4.8	29
38	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.	4.4	59
39	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.	10.8	203
40	Impregnation of Magnetic Particles on Oil Palm Shell Activated Carbon for Removal of Heavy Metal Ions from Aqueous Solution. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 72, .	0.3	3
41	Optimization of Oil Palm Fronds Pretreatment Using Ionic Liquid for Levulinic Acid Production. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 71, .	0.3	4
42	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.	0.8	15
43	Esterification of oleic acid to biodiesel using magnetic ionic liquid: Multi-objective optimization and kinetic study. <i>Applied Energy</i> , 2014, 114, 809-818.	5.1	104
44	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.	3.7	74
45	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.	0.6	34
46	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.	0.1	8
47	Optimization of oleic acid esterification catalyzed by ionic liquid for green biodiesel synthesis. <i>Energy Conversion and Management</i> , 2013, 76, 818-827.	4.4	113
48	Optimization of lignin production from empty fruit bunch via liquefaction with ionic liquid. <i>Bioresource Technology</i> , 2013, 135, 690-696.	4.8	43
49	Catalytic Conversion of Lignocellulosic Biomass to Levulinic Acid in Ionic Liquid. <i>BioResources</i> , 2013, 8, .	0.5	9
50	The effects of combining guaiacol and syringol on their pyrolysis. <i>Holzforschung</i> , 2012, 66, .	0.9	34
51	Catalytic performance of hybrid nanocatalyst for levulinic acid production from glucose. , 2012, , .		3
52	Optimization of levulinic acid from lignocellulosic biomass using a new hybrid catalyst. <i>Bioresource Technology</i> , 2012, 116, 58-65.	4.8	108
53	Gas- and solid/liquid-phase reactions during pyrolysis of softwood and hardwood lignins. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011, 92, 417-425.	2.6	134
54	Optimization of heterogeneous biodiesel production from waste cooking palm oil via response surface methodology. <i>Biomass and Bioenergy</i> , 2011, 35, 1329-1338.	2.9	186

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55	Thermal reactions of guaiacol and syringol as lignin model aromatic nuclei. Journal of Analytical and Applied Pyrolysis, 2011, 92, 88-98.	2.6	236
56	Thermal reactivities of catechols/pyrogallols and cresols/xilenols as lignin pyrolysis intermediates. Journal of Analytical and Applied Pyrolysis, 2011, 92, 76-87.	2.6	110
57	Catalytic ozonation of aqueous phenol over metal-loaded HZSM-5. Water Science and Technology, 2011, 63, 1651-1656.	1.2	1
58	Pyrolysis and Secondary Reaction Mechanisms of Softwood and Hardwood Lignins at the Molecular Level. Green Energy and Technology, 2011, , 129-135.	0.4	1
59	Pyrolysis reactions of Japanese cedar and Japanese beech woods in a closed ampoule reactor. Journal of Wood Science, 2010, 56, 319-330.	0.9	40
60	Primary Pyrolysis and Secondary Reaction Behaviors as Compared Between Japanese Cedar and Japanese Beech Wood in an Ampoule Reactor. Green Energy and Technology, 2010, , 151-155.	0.4	0
61	EMPIRICAL AND FEED FORWARD NEURAL NETWORKS MODELS OF TAPIOCA STARCH HYDROLYSIS. Applied Artificial Intelligence, 2006, 20, 79-97.	2.0	5
62	Ionic Solid Nanomaterials: Synthesis, Characterization and Catalytic Properties Investigation. Advanced Materials Research, 0, 699, 155-160.	0.3	4
63	Catalytic Conversion of Oil Palm Fronds to Levulinic Acid in Ionic Liquid. Applied Mechanics and Materials, 0, 625, 361-365.	0.2	3
64	Kinetics of CO ₂ Adsorption on Microwave Palm Shell Activated Carbon. Advanced Materials Research, 0, 1043, 224-228.	0.3	4