

# Ashfaq Ahmed

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,576  
citations

236833

25  
h-index

315616

38  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1051  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the thermodynamic performance of an existing steam power plant via energy and exergy analyses to restrain the environmental repercussions: A simulation study. Environmental Engineering Research, 2022, 27, 200683-0.	1.5	11
2	Ex situ catalytic fast pyrolysis of low-rank coal over HZSM-5 and modified Mg/ HZSM-5 catalysts. International Journal of Energy Research, 2022, 46, 891-899.	2.2	3
3	Greener and sustainable production of bioethylene from bioethanol: current status, opportunities and perspectives. Reviews in Chemical Engineering, 2022, 38, 185-207.	2.3	49
4	Carbon nanotubes loaded N,S-codoped TiO <sub>2</sub> : Heterojunction assembly for enhanced integrated adsorptive-photocatalytic performance. Journal of Industrial and Engineering Chemistry, 2022, 105, 539-548.	2.9	25
5	Sustainable valorization of algae biomass via thermochemical processing route: An overview. Bioresource Technology, 2022, 344, 126399.	4.8	38
6	Estimation of the healthcare waste generation during COVID-19 pandemic in Bangladesh. Science of the Total Environment, 2022, 811, 152295.	3.9	48
7	Techno-Economical Evaluation of Bio-Oil Production via Biomass Fast Pyrolysis Process: A Review. Frontiers in Energy Research, 2022, 9, .	1.2	27
8	Conversion of biomass blends (walnut shell and pearl millet) for the production of solid biofuel via torrefaction under different conditions. Chemosphere, 2022, 295, 133894.	4.2	18
9	Thermochemical characterisation of <i>Acacia auriculiformis</i> tree parts via proximate, ultimate, TGA, DTG, calorific value and FTIR spectroscopy analyses to evaluate their potential as a biofuel resource. Biofuels, 2021, 12, 9-20.	1.4	35
10	Potential for sustainable utilisation of agricultural residues for bioenergy production in Pakistan: An overview. Journal of Cleaner Production, 2021, 287, 125047.	4.6	27
11	Linear low-density polyethylene gasification over highly active Ni/CeO <sub>2</sub> -ZrO <sub>2</sub> catalyst for enhanced hydrogen generation. Journal of Industrial and Engineering Chemistry, 2021, 94, 336-342.	2.9	49
12	Copper promoted Co/MgO: A stable and efficient catalyst for glycerol steam reforming. International Journal of Hydrogen Energy, 2021, 46, 18073-18084.	3.8	38
13	Edible bio-oil production from microalgae and application of nano-technology. , 2021, , 91-116.		2
14	Co-Combustion of Blends of Coal and Underutilised Biomass Residues for Environmental Friendly Electrical Energy Production. Sustainability, 2021, 13, 4881.	1.6	15
15	Development of highly efficient solid acid catalysts supported on mesoporous KIT-6 for esterification of oleic acid. Korean Journal of Chemical Engineering, 2021, 38, 966-974.	1.2	13
16	Effect of high energy ball milling and low temperature densification of plate-like alumina powder. Powder Technology, 2021, 383, 84-92.	2.1	10
17	Characterization and Thermal Behavior Study of Biomass from Invasive <i>Acacia mangium</i> Species in Brunei Preceding Thermochemical Conversion. Sustainability, 2021, 13, 5249.	1.6	14
18	Biohydrogen synthesis from catalytic steam gasification of furniture waste using nickel catalysts supported on modified CeO <sub>2</sub> . International Journal of Hydrogen Energy, 2021, 46, 16603-16611.	3.8	17

#	ARTICLE	IF	CITATIONS
19	Oxidative desulfurization of refinery diesel pool fractions using LaVO <sub>4</sub> photocatalyst. Journal of Industrial and Engineering Chemistry, 2021, 98, 283-288.	2.9	48
20	A comprehensive numerical design of firefighting systems for onshore petroleum installations. Korean Journal of Chemical Engineering, 2021, 38, 1768-1780.	1.2	3
21	Comprehensive kinetic study of Imperata Cylindrica pyrolysis via Asym2sig deconvolution and combined kinetics. Journal of Analytical and Applied Pyrolysis, 2021, 156, 105133.	2.6	41
22	Castor Leaves-Based Biochar for Adsorption of Safranin from Textile Wastewater. Sustainability, 2021, 13, 6926.	1.6	13
23	Nanoporous Alumina Membranes for Sugar Industry: An Investigation of Sintering Parameters Influence on Ultrafiltration Performance. Sustainability, 2021, 13, 7593.	1.6	2
24	Synergistic effect of NS co-doped TiO <sub>2</sub> adsorbent for removal of cationic dyes. Journal of Environmental Chemical Engineering, 2021, 9, 105480.	3.3	35
25	Processing of lignocellulose in ionic liquids: A cleaner and sustainable approach. Journal of Cleaner Production, 2021, 323, 129189.	4.6	25
26	Development of hierarchically porous LaVO <sub>4</sub> for efficient visible-light-driven photocatalytic desulfurization of diesel. Chemical Engineering Journal, 2021, 420, 130529.	6.6	52
27	Valorization of municipal wastes using co-pyrolysis for green energy production, energy security, and environmental sustainability: A review. Chemical Engineering Journal, 2021, 421, 129749.	6.6	90
28	Review on the progress in emission control technologies for the abatement of CO <sub>2</sub> , SO <sub>x</sub> and NO <sub>x</sub> from fuel combustion. Journal of Environmental Chemical Engineering, 2021, 9, 106064.	3.3	109
29	An overview of the hydropower production potential in Bangladesh to meet the energy requirements. Environmental Engineering Research, 2021, 26, 200514-0.	1.5	11
30	Progress of the Pyrolyzer Reactors and Advanced Technologies for Biomass Pyrolysis Processing. Sustainability, 2021, 13, 11061.	1.6	44
31	Systematic Assessment of Visible-Light-Driven Microspherical V <sub>2</sub> O <sub>5</sub> Photocatalyst for the Removal of Hazardous Organosulfur Compounds from Diesel. Nanomaterials, 2021, 11, 2908.	1.9	21
32	Comprehensive Comparison of Hetero-Homogeneous Catalysts for Fatty Acid Methyl Ester Production from Non-Edible Jatropha curcas Oil. Catalysts, 2021, 11, 1420.	1.6	7
33	Techno Commercial Analysis of Liquefied Petroleum Gas Recovery From Natural Gas Using Aspen HYSYS. Frontiers in Energy Research, 2021, 9, .	1.2	1
34	Influence of silica materials on synthesis of elastomer nanocomposites: A review. Journal of Elastomers and Plastics, 2020, 52, 747-771.	0.7	15
35	Latest advancements on livestock waste management and biogas production: Bangladesh's perspective. Journal of Cleaner Production, 2020, 272, 122818.	4.6	55
36	Pyrolysis of solid waste residues from Lemon Myrtle essential oils extraction for bio-oil production. Bioresource Technology, 2020, 318, 123913.	4.8	51

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37	Enhancement of aromatics from catalytic pyrolysis of yellow poplar: Role of hydrogen and methane decomposition. <i>Bioresource Technology</i> , 2020, 315, 123835.	4.8	46
38	Bioenergy potential and thermochemical characterization of lignocellulosic biomass residues available in Pakistan. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1899-1906.	1.2	40
39	Sawdust pyrolysis from the furniture industry in an auger pyrolysis reactor system for biochar and bio-oil production. <i>Energy Conversion and Management</i> , 2020, 226, 113502.	4.4	77
40	Assessing the Theoretical Prospects of Bioethanol Production as a Biofuel from Agricultural Residues in Bangladesh: A Review. <i>Sustainability</i> , 2020, 12, 8583.	1.6	19
41	Energy, Exergy, and Sustainability Analyses of the Agricultural Sector in Bangladesh. <i>Sustainability</i> , 2020, 12, 4447.	1.6	28
42	Incorporation of solar-thermal energy into a gasification process to co-produce bio-fertilizer and power. <i>Environmental Pollution</i> , 2020, 266, 115103.	3.7	28
43	Valorization of underutilized waste biomass from invasive species to produce biochar for energy and other value-added applications. <i>Environmental Research</i> , 2020, 186, 109596.	3.7	60
44	Mechanical and Thermal Properties of Montmorillonite-Reinforced Polypropylene/Rice Husk Hybrid Nanocomposites. <i>Polymers</i> , 2019, 11, 1557.	2.0	28
45	Acacia Holosericea: An Invasive Species for Bio-char, Bio-oil, and Biogas Production. <i>Bioengineering</i> , 2019, 6, 33.	1.6	57
46	Potential thermochemical conversion of bioenergy from Acacia species in Brunei Darussalam: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3060-3076.	8.2	54
47	Intermediate pyrolysis of Acacia cincinnata and Acacia holosericea species for bio-oil and biochar production. <i>Energy Conversion and Management</i> , 2018, 176, 393-408.	4.4	77