

# Mohammad Shahinur Rahaman

## List of Publications by Year in descending order

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18  
papers

294  
citations

1163117

8  
h-index

888059

17  
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18  
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18  
docs citations

18  
times ranked

304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative Brønsted-Lewis acid sites created by phosphotungstic acid encapsulated metal-organic frameworks for selective glucose conversion to 5-hydroxymethylfurfural. <i>Fuel</i> , 2022, 310, 122459.	6.4	28
2	Aluminum-based Metal-Organic Framework as Water-tolerant Lewis Acid Catalyst for Selective Dihydroxyacetone Isomerization to Lactic Acid. <i>ChemCatChem</i> , 2022, 14, .	3.7	5
3	Mechanism of transfer hydrogenation of carbonyl compounds by zirconium and hafnium-containing metal-organic frameworks. <i>Molecular Catalysis</i> , 2022, 522, 112247.	2.0	4
4	Upcycling agricultural waste to biodegradable polyhydroxyalkanoates by combined ambient alkaline pretreatment and bacterial fermentation. <i>Industrial Crops and Products</i> , 2022, 185, 114867.	5.2	7
5	Aluminum-Containing Metal-Organic Frameworks as Selective and Reusable Catalysts for Glucose Isomerization to Fructose. <i>ChemCatChem</i> , 2022, 14, .	3.7	2
6	Catalytic isomerization of dihydroxyacetone to lactic acid by heat treated zeolites. <i>Applied Catalysis A: General</i> , 2021, 611, 117979.	4.3	19
7	Effects of polyol-based deep eutectic solvents on the efficiency of rice straw enzymatic hydrolysis. <i>Industrial Crops and Products</i> , 2021, 167, 113480.	5.2	39
8	Kinetics of phosphotungstic acid-catalyzed condensation of levulinic acid with phenol to diphenolic acid: Temperature-controlled regioselectivity. <i>Molecular Catalysis</i> , 2021, 514, 111848.	2.0	4
9	DNA-induced assembly of gold nanoprisms and polystyrene beads into 3D plasmonic SERS substrates. <i>Nanotechnology</i> , 2021, 32, 025506.	2.6	8
10	Metal triflate formation of C <sub>12</sub> -C <sub>22</sub> phenolic compounds by the simultaneous C-O breaking and C-C coupling of benzyl phenyl ether. <i>Dalton Transactions</i> , 2021, 50, 17390-17396.	3.3	4
11	DNA-mediated hierarchical organization of gold nanoprisms into 3D aggregates and their application in surface-enhanced Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25256-25263.	2.8	2
12	Metal-Organic Framework Separator as a Polyselenide Filter for High-Performance Lithium-Selenium Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 13450-13460.	5.1	8
13	Hydrophobic functionalization of HY zeolites for efficient conversion of glycerol to solketal. <i>Applied Catalysis A: General</i> , 2020, 592, 117369.	4.3	42
14	Enhanced Softwood Cellulose Accessibility by H <sub>3</sub> PO <sub>4</sub> Pretreatment: High Sugar Yield without Compromising Lignin Integrity. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 1010-1024.	3.7	9
15	Direct Production of Levulinic Acid in One Pot from Hemp Hurd by Dilute Acid in Ionic Liquids. <i>Energy &amp; Fuels</i> , 2020, 34, 1764-1772.	5.1	23
16	Catalytic cleavage of the β-O-4 aryl ether bonds of lignin model compounds by Ru/C catalyst. <i>Applied Catalysis A: General</i> , 2019, 582, 117100.	4.3	50
17	Anaerobic Digestion of Kitchen Waste to Produce Biogas. <i>Procedia Engineering</i> , 2014, 90, 657-662.	1.2	40
18	A comparative study on anaerobic co-digestion of kitchen waste with sewage sludge and cow manure. , 2014, , .		0