

# Kutub Uddin

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

714  
citations

623574

14  
h-index

752573

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

532  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of ethanol onto parent and surface treated activated carbon powders. International Journal of Heat and Mass Transfer, 2014, 73, 445-455.	2.5	89
2	Adsorption of ethanol onto phenol resin based adsorbents for developing next generation cooling systems. International Journal of Heat and Mass Transfer, 2015, 81, 171-178.	2.5	78
3	Adsorption characteristics of ethanol onto functional activated carbons with controlled oxygen content. Applied Thermal Engineering, 2014, 72, 211-218.	3.0	64
4	Activated carbon and graphene nanoplatelets based novel composite for performance enhancement of adsorption cooling cycle. Energy Conversion and Management, 2019, 180, 134-148.	4.4	62
5	Specific heat capacities of carbon-based adsorbents for adsorption heat pump application. Applied Thermal Engineering, 2018, 129, 117-126.	3.0	60
6	A benchmark for CO <sub>2</sub> uptake onto newly synthesized biomass-derived activated carbons. Applied Energy, 2020, 264, 114720.	5.1	53
7	Synthesis and characterization of silica gel composite with polymer binders for adsorption cooling applications. International Journal of Refrigeration, 2019, 98, 161-170.	1.8	51
8	CO <sub>2</sub> adsorption onto activated carbon-graphene composite for cooling applications. International Journal of Refrigeration, 2019, 106, 558-569.	1.8	43
9	Emerging sorption pairs for heat pump applications: an overview. JMST Advances, 2019, 1, 161-180.	0.6	37
10	Adsorption Isotherms and Heat of Adsorption of Difluoromethane on Activated Carbons. Journal of Chemical & Engineering Data, 2013, 58, 2828-2834.	1.0	33
11	Characterization of silica gel-based composites for adsorption cooling applications. International Journal of Refrigeration, 2020, 118, 345-353.	1.8	28
12	Improved CO <sub>2</sub> adsorption onto chemically activated spherical phenol resin. Journal of CO <sub>2</sub> Utilization, 2020, 41, 101255.	3.3	19
13	Statistical Analysis of Optimized Isotherm Model for Maxsorb III/Ethanol and Silica Gel/Water Pairs. Evergreen, 2018, 5, 1-12.	0.3	18
14	Thermodynamic analysis of low-GWP blends to replace R410A for residential building air conditioning applications. Environmental Science and Pollution Research, 2021, 28, 2934-2947.	2.7	17
15	Environmental Assessment and Characteristics of Next Generation Refrigerants. Evergreen, 2018, 5, 58-66.	0.3	13
16	PERFORMANCE INVESTIGATION OF ADSORPTION-COMPRESSION HYBRID REFRIGERATION SYSTEMS. International Journal of Air-Conditioning and Refrigeration, 2013, 21, 1350024.	0.8	12
17	Thermodynamic Analysis of Adsorption Cooling Cycle using Ethanol-Surface treated Maxsorb Pairs. Evergreen, 2014, 1, 25-31.	0.3	10
18	Water desalination by silica supported ionic liquid: Adsorption kinetics and system modeling. Energy, 2022, 239, 122069.	4.5	10

#	ARTICLE	IF	CITATIONS
19	Synthesis of High Grade Activated Carbons From Waste Biomass. , 2020, , 584-595.		6
20	Experimental study on the effect of adsorbent height on adsorption dynamics. AIP Conference Proceedings, 2019, , .	0.3	4
21	Low GWP Refrigerants for Energy Conservation and Environmental Sustainability. Energy, Environment, and Sustainability, 2019, , 485-517.	0.6	3
22	Thermophysical and Adsorption Characteristics of Waste Biomass-Derived Activated Carbons. , 2020, , 617-628.		3
23	Alternative technology for cooling. , 2015, , .		1