

# K Harby

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,584  
citations

236925

25  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

958  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel combined reverse osmosis and hybrid absorption desalination-cooling system to increase overall water recovery and energy efficiency. <i>Journal of Cleaner Production</i> , 2021, 287, 125014.	9.3	40
2	Study of a New Solar-Powered Combined Absorption-Adsorption Cooling System (ABADS). <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 2929-2945.	3.0	5
3	Productivity enhancement of hemispherical solar still using Al <sub>2</sub> O <sub>3</sub> -water-based nanofluid and cooling the glass cover. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 1127-1139.	3.1	37
4	Performance improvement of a tubular solar still using V-corrugated absorber with wick materials: Numerical and experimental investigations. <i>Solar Energy</i> , 2021, 217, 187-199.	6.1	59
5	Experimental adsorption water desalination system utilizing activated clay for low grade heat source applications. <i>Journal of Energy Storage</i> , 2021, 43, 103219.	8.1	22
6	Design and performance analysis of a thermoelectric air-conditioning system driven by solar photovoltaic panels. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 5146-5159.	2.1	13
7	A comprehensive review of tubular solar still designs, performance, and economic analysis. <i>Journal of Cleaner Production</i> , 2020, 246, 119030.	9.3	85
8	Augmentation of diurnal and nocturnal distillate of modified tubular solar still having copper tubes filled with PCM in the basin. <i>Journal of Energy Storage</i> , 2020, 32, 101992.	8.1	63
9	Augmentation of a developed tubular solar still productivity using hybrid storage medium and CPC: An experimental approach. <i>Journal of Energy Storage</i> , 2020, 28, 101203.	8.1	64
10	Performance of the modified tubular solar still integrated with cylindrical parabolic concentrators. <i>Solar Energy</i> , 2020, 204, 181-189.	6.1	61
11	Operational conditions optimization of a proposed solar-powered adsorption cooling system: Experimental, modeling, and optimization algorithm techniques. <i>Energy</i> , 2020, 206, 118007.	8.8	34
12	An investigation on energy savings of a split air-conditioning using different commercial cooling pad thicknesses and climatic conditions. <i>Energy</i> , 2019, 182, 321-336.	8.8	31
13	Adsorption desalination-cooling system employing copper sulfate driven by low grade heat sources. <i>Applied Thermal Engineering</i> , 2018, 136, 169-176.	6.0	47
14	Recycling brine water of reverse osmosis desalination employing adsorption desalination: A theoretical simulation. <i>Desalination</i> , 2017, 408, 13-24.	8.2	66
15	Hydrocarbons and their mixtures as alternatives to environmental unfriendly halogenated refrigerants: An updated overview. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 1247-1264.	16.4	166
16	Weather effect on a solar powered hybrid adsorption desalination-cooling system: A case study of Egypt's climate. <i>Applied Thermal Engineering</i> , 2017, 124, 663-672.	6.0	54
17	Performance evaluation of a solar-driven adsorption desalination-cooling system. <i>Energy</i> , 2017, 128, 196-207.	8.8	114
18	Modelling and experimental investigation of horizontal buoyant gas jets injected into stagnant uniform ambient liquid. <i>International Journal of Multiphase Flow</i> , 2017, 93, 33-47.	3.4	26

#	ARTICLE	IF	CITATIONS
19	Optimization of thermal design and geometrical parameters of a flat tube-fin adsorbent bed for automobile air-conditioning. Applied Thermal Engineering, 2017, 111, 489-502.	6.0	43
20	Adsorption isotherms and kinetics of HFC-404A onto bituminous based granular activated carbon for storage and cooling applications. Applied Thermal Engineering, 2016, 105, 639-645.	6.0	31
21	Performance evaluation of a waste-heat driven adsorption system for automotive air-conditioning: Part I – Modeling and experimental validation. Energy, 2016, 116, 526-538.	8.8	35
22	Performance evaluation of a waste-heat driven adsorption system for automotive air-conditioning: Part II - Performance optimization under different real driving conditions. Energy, 2016, 115, 996-1009.	8.8	22
23	Adsorption isotherms and kinetics of activated carbon/Difluoroethane adsorption pair: Theory and experiments. International Journal of Refrigeration, 2016, 70, 196-205.	3.4	38
24	Performance improvement of vapor compression cooling systems using evaporative condenser: An overview. Renewable and Sustainable Energy Reviews, 2016, 58, 347-360.	16.4	92
25	A state of the art of hybrid adsorption desalination – cooling systems. Renewable and Sustainable Energy Reviews, 2016, 58, 692-703.	16.4	79
26	Adsorption isotherms and kinetics of a mixture of Pentafluoroethane, 1,1,1,2-Tetrafluoroethane and Difluoromethane (HFC-407C) onto granular activated carbon. Applied Thermal Engineering, 2016, 93, 988-994.	6.0	26
27	An overview on adsorption cooling systems powered by waste heat from internal combustion engine. Renewable and Sustainable Energy Reviews, 2015, 51, 1223-1234.	16.4	70
28	An experimental investigation on the characteristics of submerged horizontal gas jets in liquid ambient. Experimental Thermal and Fluid Science, 2014, 53, 26-39.	2.7	55
29	An experimental study on bubble entrainment and flow characteristics of vertical plunging water jets. Experimental Thermal and Fluid Science, 2014, 57, 207-220.	2.7	49
30	Modelling of an adsorption system driven by engine waste heat for truck cabin A/C. Performance estimation for a standard driving cycle. Applied Thermal Engineering, 2010, 30, 1511-1522.	6.0	57