K Harby

List of Publications by Year
in descending order

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30	1,584	236925 25	454955 30
papers	citations	h-index	g-index

30	30	30	958
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrocarbons and their mixtures as alternatives to environmental unfriendly halogenated refrigerants: An updated overview. Renewable and Sustainable Energy Reviews, 2017, 73, 1247-1264.	16.4	166
2	Performance evaluation of a solar-driven adsorption desalination-cooling system. Energy, 2017, 128, 196-207.	8.8	114
3	Performance improvement of vapor compression cooling systems using evaporative condenser: An overview. Renewable and Sustainable Energy Reviews, 2016, 58, 347-360.	16.4	92
4	A comprehensive review of tubular solar still designs, performance, and economic analysis. Journal of Cleaner Production, 2020, 246, 119030.	9.3	85
5	A state of the art of hybrid adsorption desalinationâ€“cooling systems. Renewable and Sustainable Energy Reviews, 2016, 58, 692-703.	16.4	79
6	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
7	Recycling brine water of reverse osmosis desalination employing adsorption desalination: A theoretical simulation. Desalination, 2017, 408, 13-24.	8.2	66
8	Augmentation of a developed tubular solar still productivity using hybrid storage medium and CPC: An experimental approach. Journal of Energy Storage, 2020, 28, 101203.	8.1	64
9	Augmentation of diurnal and nocturnal distillate of modified tubular solar still having copper tubes filled with PCM in the basin. Journal of Energy Storage, 2020, 32, 101992.	8.1	63
10	Performance of the modified tubular solar still integrated with cylindrical parabolic concentrators. Solar Energy, 2020, 204, 181-189.	6.1	61
11	Performance improvement of a tubular solar still using V-corrugated absorber with wick materials: Numerical and experimental investigations. Solar Energy, 2021, 217, 187-199.	6.1	59
12	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
13	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
14	Weather effect on a solar powered hybrid adsorption desalination-cooling system: A case study of Egyptâ€™s climate. Applied Thermal Engineering, 2017, 124, 663-672.	6.0	54
15	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
16	Adsorption desalination-cooling system employing copper sulfate driven by low grade heat sources. Applied Thermal Engineering, 2018, 136, 169-176.	6.0	47
17	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
18	A novel combined reverse osmosis and hybrid absorption desalination-cooling system to increase overall water recovery and energy efficiency. Journal of Cleaner Production, 2021, 287, 125014.	9.3	40

#	Article	IF	Citations
19	Adsorption isotherms and kinetics of activated carbon/Difluoroethane adsorption pair: Theory and experiments. International Journal of Refrigeration, 2016, 70, 196-205.	3.4	38
20	Productivity enhancement of hemispherical solar still using Al2O3-water-based nanofluid and cooling the glass cover. Applied Nanoscience (Switzerland), 2021, 11, 1127-1139.	3.1	37
21	Performance evaluation of a waste-heat driven adsorption system for automotive air-conditioning: Part I â€“ Modeling and experimental validation. Energy, 2016, 116, 526-538.	8.8	35
22	Operational conditions optimization of a proposed solar-powered adsorption cooling system: Experimental, modeling, and optimization algorithm techniques. Energy, 2020, 206, 118007.	8.8	34
23	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
24	An investigation on energy savings of a split air-conditioning using different commercial cooling pad thicknesses and climatic conditions. Energy, 2019, 182, 321-336.	8.8	31
25	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
26	Modelling and experimental investigation of horizontal buoyant gas jets injected into stagnant uniform ambient liquid. International Journal of Multiphase Flow, 2017, 93, 33-47.	3.4	26
27	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
28	Experimental adsorption water desalination system utilizing activated clay for low grade heat source applications. Journal of Energy Storage, 2021, 43, 103219.	8.1	22
29	Design and performance analysis of a thermoelectric air-conditioning system driven by solar photovoltaic panels. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 5146-5159.	2.1	13
30	Study of a New Solar-Powered Combined Absorptionâ€“Adsorption Cooling System (ABADS). Arabian Journal for Science and Engineering, 2021, 46, 2929-2945.	3.0	5