Ibrahim I El-Sharkawy

List of Publications by Year
in descending order

37 papers	2,021 citations	201575 27 h-index	360920 35 g-index
37 all docs	37 docs citations	37 times ranked	1265 citing authors

#	Article	IF	Citations
1	Solid desiccant-based dehumidification systems: A critical review on configurations, techniques, and current trends. International Journal of Refrigeration, 2022, 133, 337-352.	1.8	37
2	Potential application of cascade adsorption-vapor compression refrigeration system powered by photovoltaic/thermal collectors. Applied Thermal Engineering, 2022, 207, 118075.	3.0	24
3	Performance evaluation of a novel vertical axis wind turbine using twisted blades in multi-stage Savonius rotors. Energy Conversion and Management, 2021, 235, 114013.	4.4	38
4	Hybrid sorption-vapor compression cooling systems: A comprehensive overview. Renewable and Sustainable Energy Reviews, 2021, 143, 110912.	8.2	46
5	Performance and economic analysis of solar-powered adsorption-based hybrid cooling systems. Energy Conversion and Management, 2021, 238, 114134.	4.4	29
6	Performance investigation of a solar-powered adsorption-based trigeneration system for cooling, electricity, and domestic hot water production. Applied Thermal Engineering, 2021, 199, 117553.	3.0	21
7	Characterization of silica gel-based composites for adsorption cooling applications. International Journal of Refrigeration, 2020, 118, 345-353.	1.8	28
8	Performance enhancement of twisted-bladed Savonius vertical axis wind turbines. Energy Conversion and Management, 2020, 209, 112673.	4.4	67
9	Integrated adsorption-based multigeneration systems: A critical review and future trends. International Journal of Refrigeration, 2020, 116, 129-145.	1.8	28
10	Performance investigation of integrated PVT/adsorption cooling system under the climate conditions of Middle East. Energy Reports, 2020, 6, 168-173.	2.5	16
11	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
12	Study on biomass derived activated carbons for adsorptive heat pump application. International Journal of Heat and Mass Transfer, 2017, 110, 7-19.	2.5	85
13	A review on adsorbent-adsorbate pairs for cooling applications. Applied Thermal Engineering, 2017, 114, 394-414.	3.0	113
14	Experimental investigation of CO2 adsorption onto a carbon based consolidated composite adsorbent for adsorption cooling application. Applied Thermal Engineering, 2016, 109, 304-311.	3.0	69
15	Water vapor sorption kinetics of polymer based sorbents: Theory and experiments. Applied Thermal Engineering, 2016, 106, 192-202.	3.0	66
16	A study on consolidated composite adsorbents for cooling application. Applied Thermal Engineering, 2016, 98, 1214-1220.	3.0	85
17	Fundamental and application aspects of adsorption cooling and desalination. Applied Thermal Engineering, 2016, 97, 68-76.	3.0	59
18	Insights of water vapor sorption onto polymer based sorbents. Adsorption, 2015, 21, 205-215.	1.4	45

#	Article	IF	Citations
19	An overview of solid desiccant dehumidification and air conditioning systems. Renewable and Sustainable Energy Reviews, 2015, 46, 16-29.	8.2	196
20	Ethanol adsorption onto metal organic framework: Theory and experiments. Energy, 2015, 79, 363-370.	4.5	74
21	Investigation of Natural Gas Storage through Activated Carbon. Journal of Chemical & Engineering Data, 2015, 60, 3215-3223.	1.0	12
22	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
23	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
24	Potential application of solar powered adsorption cooling systems in the Middle East. Applied Energy, 2014, 126, 235-245.	5.1	92
25	Adsorption characteristics of ethanol onto functional activated carbons with controlled oxygen content. Applied Thermal Engineering, 2014, 72, 211-218.	3.0	64
26	Accurate adsorption isotherms of R134a onto activated carbons for cooling and freezing applications. International Journal of Refrigeration, 2012, 35, 499-505.	1.8	53
27	Carbon Dioxide Adsorption Isotherms on Activated Carbons. Journal of Chemical & Engineering Data, 2011, 56, 1974-1981.	1.0	134
28	Thermodynamic Property Surfaces for Adsorption of R507A, R134a, andn-Butane on Pitch-Based Carbonaceous Porous Materials. Heat Transfer Engineering, 2010, 31, 917-923.	1.2	8
29	Adsorption Parameter and Heat of Adsorption of Activated Carbon/HFC-134a Pair. Heat Transfer Engineering, 2010, 31, 910-916.	1.2	21
30	Adsorption characteristics and heat of adsorption measurements of R-134a on activated carbon. International Journal of Refrigeration, 2009, 32, 1563-1569.	1.8	72
31	Adsorption of Equal Mass Fraction Near an Azeotropic Mixture of Pentafluoroethane and 1,1,1-Trifluoroethane on Activated Carbon. Journal of Chemical & Engineering Data, 2008, 53, 1872-1876.	1.0	24
32	On Thermodynamics of Advanced Adsorption Cooling Devices. , 2008, , .		1
33	Study on Single- and Multi-Stage Adsorption Cooling Cycles Working at Sub and Above Atmospheric Conditions. , 2008, , .		0
34	Evaluation of Adsorption Parameters and Heats of Adsorption through Desorption Measurements. Journal of Chemical & Engineering Data, 2007, 52, 2419-2424.	1.0	62
35	Isosteric heats of adsorption extracted from experiments of ethanol and HFC 134a on carbon based adsorbents. International Journal of Heat and Mass Transfer, 2007, 50, 902-907.	2.5	27
36	Adsorption Rate of Ethanol on Activated Carbon Fiber. Journal of Chemical & Engineering Data, 2006, 51, 1587-1592.	1.0	42

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37	A study on the kinetics of ethanol-activated carbon fiber: Theory and experiments. International Journal of Heat and Mass Transfer, 2006, 49, 3104-3110.	2.5	65