

Ibrahim I El-Sharkawy

List of Publications by Year in descending order

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Version: 2024-02-01

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	An overview of solid desiccant dehumidification and air conditioning systems. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 46, 16-29.	8.2	196
2	Carbon Dioxide Adsorption Isotherms on Activated Carbons. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 1974-1981.	1.0	134
3	A review on adsorbent-adsorbate pairs for cooling applications. <i>Applied Thermal Engineering</i> , 2017, 114, 394-414.	3.0	113
4	Potential application of solar powered adsorption cooling systems in the Middle East. <i>Applied Energy</i> , 2014, 126, 235-245.	5.1	92
5	Adsorption of ethanol onto parent and surface treated activated carbon powders. <i>International Journal of Heat and Mass Transfer</i> , 2014, 73, 445-455.	2.5	89
6	A study on consolidated composite adsorbents for cooling application. <i>Applied Thermal Engineering</i> , 2016, 98, 1214-1220.	3.0	85
7	Study on biomass derived activated carbons for adsorptive heat pump application. <i>International Journal of Heat and Mass Transfer</i> , 2017, 110, 7-19.	2.5	85
8	Adsorption of ethanol onto phenol resin based adsorbents for developing next generation cooling systems. <i>International Journal of Heat and Mass Transfer</i> , 2015, 81, 171-178.	2.5	78
9	Ethanol adsorption onto metal organic framework: Theory and experiments. <i>Energy</i> , 2015, 79, 363-370.	4.5	74
10	Adsorption characteristics and heat of adsorption measurements of R-134a on activated carbon. <i>International Journal of Refrigeration</i> , 2009, 32, 1563-1569.	1.8	72
11	Experimental investigation of CO ₂ adsorption onto a carbon based consolidated composite adsorbent for adsorption cooling application. <i>Applied Thermal Engineering</i> , 2016, 109, 304-311.	3.0	69
12	Performance enhancement of twisted-bladed Savonius vertical axis wind turbines. <i>Energy Conversion and Management</i> , 2020, 209, 112673.	4.4	67
13	Water vapor sorption kinetics of polymer based sorbents: Theory and experiments. <i>Applied Thermal Engineering</i> , 2016, 106, 192-202.	3.0	66
14	A study on the kinetics of ethanol-activated carbon fiber: Theory and experiments. <i>International Journal of Heat and Mass Transfer</i> , 2006, 49, 3104-3110.	2.5	65
15	Adsorption characteristics of ethanol onto functional activated carbons with controlled oxygen content. <i>Applied Thermal Engineering</i> , 2014, 72, 211-218.	3.0	64
16	Evaluation of Adsorption Parameters and Heats of Adsorption through Desorption Measurements. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 2419-2424.	1.0	62
17	Fundamental and application aspects of adsorption cooling and desalination. <i>Applied Thermal Engineering</i> , 2016, 97, 68-76.	3.0	59
18	Accurate adsorption isotherms of R134a onto activated carbons for cooling and freezing applications. <i>International Journal of Refrigeration</i> , 2012, 35, 499-505.	1.8	53

#	ARTICLE	IF	CITATIONS
19	Synthesis and characterization of silica gel composite with polymer binders for adsorption cooling applications. <i>International Journal of Refrigeration</i> , 2019, 98, 161-170.	1.8	51
20	Hybrid sorption-vapor compression cooling systems: A comprehensive overview. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110912.	8.2	46
21	Insights of water vapor sorption onto polymer based sorbents. <i>Adsorption</i> , 2015, 21, 205-215.	1.4	45
22	Adsorption Rate of Ethanol on Activated Carbon Fiber. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 1587-1592.	1.0	42
23	Performance evaluation of a novel vertical axis wind turbine using twisted blades in multi-stage Savonius rotors. <i>Energy Conversion and Management</i> , 2021, 235, 114013.	4.4	38
24	Solid desiccant-based dehumidification systems: A critical review on configurations, techniques, and current trends. <i>International Journal of Refrigeration</i> , 2022, 133, 337-352.	1.8	37
25	Performance and economic analysis of solar-powered adsorption-based hybrid cooling systems. <i>Energy Conversion and Management</i> , 2021, 238, 114134.	4.4	29
26	Characterization of silica gel-based composites for adsorption cooling applications. <i>International Journal of Refrigeration</i> , 2020, 118, 345-353.	1.8	28
27	Integrated adsorption-based multigeneration systems: A critical review and future trends. <i>International Journal of Refrigeration</i> , 2020, 116, 129-145.	1.8	28
28	Isosteric heats of adsorption extracted from experiments of ethanol and HFC 134a on carbon based adsorbents. <i>International Journal of Heat and Mass Transfer</i> , 2007, 50, 902-907.	2.5	27
29	Adsorption of Equal Mass Fraction Near an Azeotropic Mixture of Pentafluoroethane and 1,1,1-Trifluoroethane on Activated Carbon. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 1872-1876.	1.0	24
30	Potential application of cascade adsorption-vapor compression refrigeration system powered by photovoltaic/thermal collectors. <i>Applied Thermal Engineering</i> , 2022, 207, 118075.	3.0	24
31	Adsorption Parameter and Heat of Adsorption of Activated Carbon/HFC-134a Pair. <i>Heat Transfer Engineering</i> , 2010, 31, 910-916.	1.2	21
32	Performance investigation of a solar-powered adsorption-based trigeneration system for cooling, electricity, and domestic hot water production. <i>Applied Thermal Engineering</i> , 2021, 199, 117553.	3.0	21
33	Performance investigation of integrated PVT/adsorption cooling system under the climate conditions of Middle East. <i>Energy Reports</i> , 2020, 6, 168-173.	2.5	16
34	Investigation of Natural Gas Storage through Activated Carbon. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 3215-3223.	1.0	12
35	Thermodynamic Property Surfaces for Adsorption of R507A, R134a, and n-Butane on Pitch-Based Carbonaceous Porous Materials. <i>Heat Transfer Engineering</i> , 2010, 31, 917-923.	1.2	8
36	On Thermodynamics of Advanced Adsorption Cooling Devices. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
37	Study on Single- and Multi-Stage Adsorption Cooling Cycles Working at Sub and Above Atmospheric Conditions. , 2008, , .		0