Sameh A Nada

List of Publications by Year
in descending order

58	2,236	201385 27	223531 46
papers	citations	h-index	g-index

58	58	58	1503
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The influence of castor biodiesel blending ratio on engine performance including the determined diesel particulate matters composition. Energy, 2022, 239, 121951.	4.5	43
2	Experimental study on the combustion performance of a stationary CIDI engine fueled with 1-heptanol-diesel mixtures. Fuel, 2022, 312, 122902.	3.4	17
3	Potential application of cascade adsorption-vapor compression refrigeration system powered by photovoltaic/thermal collectors. Applied Thermal Engineering, 2022, 207, 118075.	3.0	24
4	Renewable energy-based cascade adsorption-compression refrigeration system: Energy, exergy, exergoeconomic and enviroeconomic perspectives. Energy, 2022, 253, 124127.	4.5	24
5	Kinetics and physical analyses for pyrolyzed Egyptian agricultural and woody biomasses: effect of microwave drying. Biomass Conversion and Biorefinery, 2021, 11, 2855-2868.	2.9	14
6	Experimental investigation of air-conditioning and HDH desalination hybrid system using new packing pad humidifier and strips-finned helical coil. Applied Thermal Engineering, 2021, 185, 116433.	3.0	29
7	Adding nâ€butanol, nâ€heptanol, and nâ€octanol to improve vaporization, combustion, and emission characteristics of diesel/used frying oil biodiesel blends in <scp>DICI</scp> engine. Environmental Progress and Sustainable Energy, 2021, 40, e13549.	1.3	22
8	Thermal management and performance enhancement of data centers architectures using aligned/staggered in-row cooling arrangements. Case Studies in Thermal Engineering, 2021, 24, 100884.	2.8	17
9	Hybrid sorption-vapor compression cooling systems: A comprehensive overview. Renewable and Sustainable Energy Reviews, 2021, 143, 110912.	8.2	46
10	Pyrolysis, kinetics, and structural analyses of agricultural residues in Egypt: For future assessment of their energy potential. Cleaner Engineering and Technology, 2021, 2, 100080.	2.1	9
11	Performance and economic analysis of solar-powered adsorption-based hybrid cooling systems. Energy Conversion and Management, 2021, 238, 114134.	4.4	29
12	Effect of <scp>inâ€row</scp> cooling units numbers/locations on thermal and energy management of data centers servers. International Journal of Energy Research, 2021, 45, 20270-20284.	2.2	5
13	Performance enhancement and comprehensive experimental comparative study of cold plate cooling of electronic servers using different configurations of mini-channels flow. AEJ - Alexandria Engineering Journal, 2021, 60, 4451-4459.	3.4	13
14	The effect of castor oil methyl ester blending ratio on the environmental and the combustion characteristics of diesel engine under standard testing conditions. Sustainable Energy Technologies and Assessments, 2020, 42, 100843.	1.7	15
15	Effect of phase change material plates' arrangements on charging and discharging of energy storage in building air free cooling. Energy Storage, 2020, 2, e142.	2.3	5
16	Swirled Jet Flame Simulation and Flow Visualization Inside Rotary Kilnâ€”CFD with PDF Approach. Processes, 2020, 8, 159.	1.3	9
17	Experimental investigation of PCM transient performance in free cooling of the fresh air of air conditioning systems. Journal of Building Engineering, 2020, 29, 101153.	1.6	19
18	Augmentation of solarâ€assisted humidificationâ€dehumidification water desalination system using heat recovery and thermal energy storage system. International Journal of Energy Research, 2020, 44, 6631-6650.	2.2	4

#	Article	IF	Citations
19	Humidificationâ€dehumidification water desalination system integrated with multiple evaporators/condensers heat pump unit. International Journal of Energy Research, 2020, 44, 6396-6416.	2.2	15
20	Energyâ€efficient hybrid A/C and freshwater production system proposed for high latent load spaces. International Journal of Energy Research, 2019, 43, 6812.	2.2	7
21	Technoeconomic study for the optimization of turbine size and wind farm layouts. International Journal of Energy Research, 2019, 43, 7459.	2.2	3
22	The effect of microwave drying pretreatment on dry torrefaction of agricultural biomasses. Bioresource Technology, 2019, 286, 121400.	4.8	38
23	Improvement of CI engine combustion and performance running on ternary blends of higher alcohol (Pentanol and Octanol)/hydrous ethanol/diesel. Fuel, 2019, 251, 10-22.	3.4	87
24	Combustion, performance and emission analysis of diesel engine fuelled by higher alcohols (butanol,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.4	182
25	Solutions of thermal performance problems of installing AC outdoor units in buildings light wells using mechanical ventilations. Applied Thermal Engineering, 2018, 131, 295-310.	3.0	7
26	Study of Egyptian castor biodiesel-diesel fuel properties and diesel engine performance for a wide range of blending ratios and operating conditions for the sake of the optimal blending ratio. Energy Conversion and Management, 2018, 174, 364-377.	4.4	41
27	Performance and energy consumptions of split type air conditioning units for different arrangements of outdoor units in confined building shafts. Applied Thermal Engineering, 2017, 123, 874-890.	3.0	30
28	Experimental investigation and general correlation of passive heat transfer in enclosures at different operating, orientations and venting configurations. Applied Thermal Engineering, 2016, 102, 346-358.	3.0	2
29	CFD investigations of data centersâ€™ thermal performance for different configurations of CRACs units and aisles separation. AEJ - Alexandria Engineering Journal, 2016, 55, 959-971.	3.4	56
30	CFD investigation of airflow pattern, temperature distribution and thermal comfort of UFAD system for theater buildings applications. Journal of Building Engineering, 2016, 6, 274-300.	1.6	57
31	An integrated A/C and HDH water desalination system assisted by solar energy: Transient analysis and economical study. Applied Thermal Engineering, 2016, 108, 1320-1335.	3.0	81
32	Experimental study of solving thermal heterogeneity problem of data center servers. Applied Thermal Engineering, 2016, 109, 466-474.	3.0	33
33	Experimental investigations of thermal managements solutions in data centers buildings for different arrangements of cold aisles containments. Journal of Building Engineering, 2016, 5, 41-49.	1.6	75
34	Performance investigation of a novel solar hybrid air conditioning and humidificationâ€“dehumidification water desalination system. Desalination, 2016, 382, 28-42.	4.0	75
35	Numerical investigation and parametric study for thermal and energy management enhancements in data centers' buildings. Applied Thermal Engineering, 2016, 98, 110-128.	3.0	60
36	General semi-empirical correlation for condensation of vapor on tubes at different orientations. International Journal of Thermal Sciences, 2016, 100, 391-400.	2.6	15

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37	Experimental investigations of air conditioning solutions in high power density data centers using a scaled physical model. International Journal of Refrigeration, 2016, 63, 87-99.	1.8	55
38	Semi analytical parametric study of rewetting/quenching of hot vertical tube by a falling liquid film in the presence of countercurrent flow of rising vapors. International Journal of Thermal Sciences, 2016, 99, 85-95.	2.6	3
39	Comprehensive parametric study of using carbon foam structures saturated with PCMs in thermal management of electronic systems. Energy Conversion and Management, 2015, 105, 93-102.	4.4	76
40	Performance of multi tubes in tube helically coiled as a compact heat exchanger. Heat and Mass Transfer, 2015, 51, 973-982.	1.2	11
41	Experimental study for hybrid humidificationâ€“dehumidification water desalination and air conditioning system. Desalination, 2015, 363, 112-125.	4.0	88
42	Performance analysis of proposed hybrid air conditioning and humidificationâ€“dehumidification systems for energy saving and water production in hot and dry climatic regions. Energy Conversion and Management, 2015, 96, 208-227.	4.4	78
43	Numerical investigations of using carbon foam/PCM/Nano carbon tubes composites in thermal management of electronic equipment. Energy Conversion and Management, 2015, 89, 873-884.	4.4	160
44	Experimental and numerical investigation of the radiant panel heating system using scale room model. Energy and Buildings, 2014, 82, 130-141.	3.1	38
45	Effect of Secondary Flows on Heat Transfer of a Gas Turbine Blade. International Journal of Rotating Machinery, 2013, 2013, 1-12.	0.8	3
46	Buoyancy and cross flow effects on heat transfer of multiple impinging slot air jets cooling a flat plate at different orientations. Heat and Mass Transfer, 2009, 45, 1083-1097.	1.2	15
47	Experimental investigation of natural convection heat transfer in horizontal and inclined annular fluid layers. Heat and Mass Transfer, 2008, 44, 929-936.	1.2	21
48	Experimental investigation of novel indirect solar cooker with indoor PCM thermal storage and cooking unit. Energy Conversion and Management, 2008, 49, 2237-2246.	4.4	128
49	A numerical investigation and parametric study of cooling an array of multiple protruding heat sources by a laminar slot air jet. International Journal of Heat and Fluid Flow, 2007, 28, 787-805.	1.1	32
50	Natural convection heat transfer in horizontal and vertical closed narrow enclosures with heated rectangular finned base plate. International Journal of Heat and Mass Transfer, 2007, 50, 667-679.	2.5	69
51	Air-side performance of a wavy-finned-tube direct expansion cooling and dehumidifying air coil. International Journal of Refrigeration, 2007, 30, 230-244.	1.8	27
52	Heat transfer and fluid flow around semi-circular tube in cross flow at different orientations. Heat and Mass Transfer, 2007, 43, 1157-1169.	1.2	34
53	Cooling an array of multiple heat sources by a row of slot air jets. International Journal of Heat and Mass Transfer, 2006, 49, 2597-2609.	2.5	15
54	Slot/slots air jet impinging cooling of a cylinder for different jetsâ€“cylinder configurations. Heat and Mass Transfer, 2006, 43, 135-148.	1.2	28

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55	Performance of wickless heat pipe flat plate solar collectors having different pipes cross sections geometries and filling ratios. Energy Conversion and Management, 2006, 47, 1539-1549.	4.4	87
56	Free convection in tilted rectangular enclosures heated at the bottom wall and vented by different slots-venting arrangements. Experimental Thermal and Fluid Science, 2004, 28, 853-862.	1.5	10
57	Performance of a two-phase closed thermosyphon solar collector with a shell and tube heat exchanger. Applied Thermal Engineering, 2004, 24, 1959-1968.	3.0	49
58	Segregation/cycling effects on thermophysical properties of salt hydrate phase change materials. Energy Storage, 0, , e240.	2.3	1