

# Sameh A Nada

## List of Publications by Year in descending order

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58  
papers

2,236  
citations

201385

27  
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223531

46  
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58  
all docs

58  
docs citations

58  
times ranked

1503  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combustion, performance and emission analysis of diesel engine fuelled by higher alcohols (butanol,) Tj ETQq1 1 0.784314 rgBT /Overlo	4.4	182
2	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
3	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
4	Experimental study for hybrid humidificationâ€“dehumidification water desalination and air conditioning system. Desalination, 2015, 363, 112-125.	4.0	88
5	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
6	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
7	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
8	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
9	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
10	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
11	Performance investigation of a novel solar hybrid air conditioning and humidificationâ€“dehumidification water desalination system. Desalination, 2016, 382, 28-42.	4.0	75
12	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
13	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
14	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
15	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
16	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
17	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
18	Hybrid sorption-vapor compression cooling systems: A comprehensive overview. Renewable and Sustainable Energy Reviews, 2021, 143, 110912.	8.2	46

#	ARTICLE	IF	CITATIONS
19	The influence of castor biodiesel blending ratio on engine performance including the determined diesel particulate matters composition. <i>Energy</i> , 2022, 239, 121951.	4.5	43
20	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. <i>Energy Conversion and Management</i> , 2018, 174, 364-377.	4.4	41
21	Experimental and numerical investigation of the radiant panel heating system using scale room model. <i>Energy and Buildings</i> , 2014, 82, 130-141.	3.1	38
22	The effect of microwave drying pretreatment on dry torrefaction of agricultural biomasses. <i>Bioresource Technology</i> , 2019, 286, 121400.	4.8	38
23	Heat transfer and fluid flow around semi-circular tube in cross flow at different orientations. <i>Heat and Mass Transfer</i> , 2007, 43, 1157-1169.	1.2	34
24	Experimental study of solving thermal heterogeneity problem of data center servers. <i>Applied Thermal Engineering</i> , 2016, 109, 466-474.	3.0	33
25	A numerical investigation and parametric study of cooling an array of multiple protruding heat sources by a laminar slot air jet. <i>International Journal of Heat and Fluid Flow</i> , 2007, 28, 787-805.	1.1	32
26	Performance and energy consumptions of split type air conditioning units for different arrangements of outdoor units in confined building shafts. <i>Applied Thermal Engineering</i> , 2017, 123, 874-890.	3.0	30
27	Experimental investigation of air-conditioning and HDH desalination hybrid system using new packing pad humidifier and strips-finned helical coil. <i>Applied Thermal Engineering</i> , 2021, 185, 116433.	3.0	29
28	Performance and economic analysis of solar-powered adsorption-based hybrid cooling systems. <i>Energy Conversion and Management</i> , 2021, 238, 114134.	4.4	29
29	Slot/slots air jet impinging cooling of a cylinder for different jetsâ€œcylinder configurations. <i>Heat and Mass Transfer</i> , 2006, 43, 135-148.	1.2	28
30	Air-side performance of a wavy-finned-tube direct expansion cooling and dehumidifying air coil. <i>International Journal of Refrigeration</i> , 2007, 30, 230-244.	1.8	27
31	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
32	Renewable energy-based cascade adsorption-compression refrigeration system: Energy, exergy, exergoeconomic and enviroeconomic perspectives. <i>Energy</i> , 2022, 253, 124127.	4.5	24
33	Adding nâ€œbutanol, nâ€œheptanol, and nâ€œoctanol to improve vaporization, combustion, and emission characteristics of diesel/used frying oil biodiesel blends in <sc>DICI</sc> engine. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, e13549.	1.3	22
34	Experimental investigation of natural convection heat transfer in horizontal and inclined annular fluid layers. <i>Heat and Mass Transfer</i> , 2008, 44, 929-936.	1.2	21
35	Experimental investigation of PCM transient performance in free cooling of the fresh air of air conditioning systems. <i>Journal of Building Engineering</i> , 2020, 29, 101153.	1.6	19
36	Thermal management and performance enhancement of data centers architectures using aligned/staggered in-row cooling arrangements. <i>Case Studies in Thermal Engineering</i> , 2021, 24, 100884.	2.8	17

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37	Experimental study on the combustion performance of a stationary CIDI engine fueled with 1-heptanol-diesel mixtures. <i>Fuel</i> , 2022, 312, 122902.	3.4	17
38	Cooling an array of multiple heat sources by a row of slot air jets. <i>International Journal of Heat and Mass Transfer</i> , 2006, 49, 2597-2609.	2.5	15
39	Buoyancy and cross flow effects on heat transfer of multiple impinging slot air jets cooling a flat plate at different orientations. <i>Heat and Mass Transfer</i> , 2009, 45, 1083-1097.	1.2	15
40	General semi-empirical correlation for condensation of vapor on tubes at different orientations. <i>International Journal of Thermal Sciences</i> , 2016, 100, 391-400.	2.6	15
41	The effect of castor oil methyl ester blending ratio on the environmental and the combustion characteristics of diesel engine under standard testing conditions. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 42, 100843.	1.7	15
42	Humidification&#x2013;dehumidification water desalination system integrated with multiple evaporators/condensers heat pump unit. <i>International Journal of Energy Research</i> , 2020, 44, 6396-6416.	2.2	15
43	Kinetics and physical analyses for pyrolyzed Egyptian agricultural and woody biomasses: effect of microwave drying. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 2855-2868.	2.9	14
44	Performance enhancement and comprehensive experimental comparative study of cold plate cooling of electronic servers using different configurations of mini-channels flow. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 4451-4459.	3.4	13
45	Performance of multi tubes in tube helically coiled as a compact heat exchanger. <i>Heat and Mass Transfer</i> , 2015, 51, 973-982.	1.2	11
46	Free convection in tilted rectangular enclosures heated at the bottom wall and vented by different slots-venting arrangements. <i>Experimental Thermal and Fluid Science</i> , 2004, 28, 853-862.	1.5	10
47	Swirled Jet Flame Simulation and Flow Visualization Inside Rotary Kiln&#x2013;CFD with PDF Approach. <i>Processes</i> , 2020, 8, 159.	1.3	9
48	Pyrolysis, kinetics, and structural analyses of agricultural residues in Egypt: For future assessment of their energy potential. <i>Cleaner Engineering and Technology</i> , 2021, 2, 100080.	2.1	9
49	Solutions of thermal performance problems of installing AC outdoor units in buildings light wells using mechanical ventilations. <i>Applied Thermal Engineering</i> , 2018, 131, 295-310.	3.0	7
50	Energy&#x2013;efficient hybrid A/C and freshwater production system proposed for high latent load spaces. <i>International Journal of Energy Research</i> , 2019, 43, 6812.	2.2	7
51	Effect of phase change material plates' arrangements on charging and discharging of energy storage in building air free cooling. <i>Energy Storage</i> , 2020, 2, e142.	2.3	5
52	Effect of <sc>in&#x2013;row</sc> cooling units numbers/locations on thermal and energy management of data centers servers. <i>International Journal of Energy Research</i> , 2021, 45, 20270-20284.	2.2	5
53	Augmentation of solar&#x2013;assisted humidification&#x2013;dehumidification water desalination system using heat recovery and thermal energy storage system. <i>International Journal of Energy Research</i> , 2020, 44, 6631-6650.	2.2	4
54	Effect of Secondary Flows on Heat Transfer of a Gas Turbine Blade. <i>International Journal of Rotating Machinery</i> , 2013, 2013, 1-12.	0.8	3

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55	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
56	Technoeconomic study for the optimization of turbine size and wind farm layouts. International Journal of Energy Research, 2019, 43, 7459.	2.2	3
57	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
58	Segregation/cycling effects on thermophysical properties of salt hydrate phase change materials. Energy Storage, 0, , e240.	2.3	1