

Said Farahat

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,809
citations

394421

19
h-index

276875

41
g-index

45
all docs

45
docs citations

45
times ranked

1459
citing authors

#	ARTICLE	IF	CITATIONS
1	An improved thermal and electrical model for a solar photovoltaic thermal (PV/T) air collector. Applied Energy, 2010, 87, 2328-2339.	10.1	326
2	Exergetic optimization of flat plate solar collectors. Renewable Energy, 2009, 34, 1169-1174.	8.9	298
3	Exergetic performance assessment of a solar photovoltaic thermal (PV/T) air collector. Energy and Buildings, 2010, 42, 2184-2199.	6.7	188
4	Optimization of a solar photovoltaic thermal (PV/T) water collector based on exergy concept. Renewable Energy, 2014, 68, 356-365.	8.9	123
5	3-D numerical investigation of natural convection in a tilted cylindrical annulus containing molten potassium and controlling it using various magnetic fields. International Journal of Applied Electromagnetics and Mechanics, 2014, 46, 809-821.	0.6	87
6	Multi-objective optimization of natural convection in a cylindrical annulus mold under magnetic field using particle swarm algorithm. International Communications in Heat and Mass Transfer, 2015, 60, 13-20.	5.6	87
7	NUMERICAL SIMULATION OF ELECTRICALLY CONDUCTING FLUID FLOW AND FREE CONVECTIVE HEAT TRANSFER IN AN ANNULUS ON APPLYING A MAGNETIC FIELD. Heat Transfer Research, 2014, 45, 749-766.	1.6	87
8	Thermal and Electrical Assessment of an Integrated Solar Photovoltaic Thermal (PV/T) Water Collector Equipped with a Compound Parabolic Concentrator (CPC). International Journal of Green Energy, 2013, 10, 494-522.	3.8	52
9	A new approach for optimization of thermal power plant based on the exergoeconomic analysis and structural optimization method: Application to the CGAM problem. Energy Conversion and Management, 2010, 51, 2202-2211.	9.2	48
10	Robust sliding mode control of a mini unmanned underwater vehicle equipped with a new arrangement of water jet propulsions: Simulation and experimental study. Applied Ocean Research, 2016, 59, 521-542.	4.1	40
11	A new criterion for the allocation of residues cost in exergoeconomic analysis of energy systems. Energy, 2010, 35, 3474-3482.	8.8	39
12	Exergoeconomic multi objective optimization and sensitivity analysis of a regenerative Brayton cycle. Energy Conversion and Management, 2016, 117, 95-105.	9.2	36
13	Exergetic optimization of a solar photovoltaic thermal (PV/T) air collector. International Journal of Energy Research, 2011, 35, 813-827.	4.5	33
14	Exergetic Optimization of a Solar Photovoltaic Array. Journal of Thermodynamics, 2009, 2009, 1-11.	0.8	31
15	Analysis of exergy and parametric study of a v-corrugated solar air heater. Heat and Mass Transfer, 2012, 48, 1089-1101.	2.1	28
16	An efficient sizing method with suitable energy management strategy for hybrid renewable energy systems. International Transactions on Electrical Energy Systems, 2014, 24, 1473-1492.	1.9	24
17	Exergy efficiency of a solar photovoltaic array based on exergy destructions. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2010, 224, 813-825.	1.4	22
18	Path Planning for Unmanned Underwater Vehicle in 3D Space with Obstacles Using Spline-Imperialist Competitive Algorithm and Optimal Interval Type-2 Fuzzy Logic Controller. Latin American Journal of Solids and Structures, 2016, 13, 1054-1085.	1.0	20

#	ARTICLE	IF	CITATIONS
19	Multi-objective optimization and decision making of endoreversible combined cycles with consideration of different heat exchangers by finite time thermodynamics. <i>Energy Conversion and Management</i> , 2018, 171, 1052-1062.	9.2	19
20	Experimental Performance Evaluation of a Photovoltaic Thermal (PV/T) Air Collector and Its Optimization. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2012, 58, 309-318.	1.1	18
21	Thermoenviromomic optimization of gas turbine cycles with air preheat. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2011, 225, 12-23.	1.4	17
22	Finite time exergy analysis and multi-objective ecological optimization of a regenerative Brayton cycle considering the impact of flow rate variations. <i>Energy Conversion and Management</i> , 2015, 103, 790-800.	9.2	17
23	Experimental and numerical study of ventilated supercavitation around a cone cavitator. <i>Heat and Mass Transfer</i> , 2017, 53, 1491-1502.	2.1	17
24	Exergy performance analysis of solar photovoltaic thermal (PV/T) air collectors in terms of exergy losses. <i>Journal of the Energy Institute</i> , 2011, 84, 132-145.	5.3	16
25	Bubbly drag reduction in a vertical Couette-Taylor system with superimposed axial flow. <i>Fluid Dynamics Research</i> , 2014, 46, 055504.	1.3	16
26	New exergy analysis of a regenerative closed Brayton cycle. <i>Energy Conversion and Management</i> , 2017, 134, 116-124.	9.2	16
27	Optimal size and cost analysis of stand-alone hybrid wind/photovoltaic power-generation systems. <i>Civil Engineering and Environmental Systems</i> , 2014, 31, 283-303.	0.9	13
28	Performance evaluation of a solar photovoltaic thermal air collector using energy and exergy analysis. <i>Journal of Renewable and Sustainable Energy</i> , 2011, 3, 043115.	2.0	10
29	A new iterative approach to the optimization of thermal energy systems: Application to the regenerative Brayton cycle. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2010, 224, 313-327.	1.4	9
30	Reduction of pollutant emissions by developing a variable valve timing system in a direct injection diesel engine using computational fluid dynamics modeling. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 1430-1440.	2.3	9
31	Increasing thermal comfort of a net-zero energy building inhabitant by optimization of energy consumption. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 2819-2834.	3.5	9
32	Experimental exergetic performance evaluation of a photovoltaic thermal (PV/T) air collector and comparison with numerical simulation. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2011, 225, 161-172.	2.5	7
33	Frictional drag reduction using small bubbles in a Couette-Taylor flow. <i>Journal of Marine Science and Technology</i> , 2015, 20, 652-669.	2.9	7
34	Regulating And Helix Path Tracking For Unmanned Aerial Vehicle (uav) Using Fuzzy Logic Controllers. <i>Journal of Mathematics and Computer Science</i> , 2014, 13, 71-89.	1.0	7
35	Parametric analysis of a zero-energy building aiming for a reduction of CO2 emissions for warm climate. <i>Environmental Science and Pollution Research</i> , 2020, 27, 34121-34134.	5.3	6
36	Optimization of Energy Consumption in Net-Zero Energy Buildings with Increasing Thermal Comfort of Occupants. <i>International Journal of Photoenergy</i> , 2020, 2020, 1-17.	2.5	6

#	ARTICLE	IF	CITATIONS
37	An experimental and numerical study of supercavitating flows tric cavitators. Journal of Theoretical and Applied Mechanics, 0, , 795.	0.5	6
38	A Novel Sizing Methodology Based On Match Evaluation Method For Optimal Sizing Of Stand-alone Hybrid Energy Systems Using Nsga-ii. Journal of Mathematics and Computer Science, 2012, 05, 135-145.	1.0	6
39	Experimental investigation of head resistance reduction in bubbly Couetteâ€“Taylor flow. Heat and Mass Transfer, 2016, 52, 2593-2608.	2.1	3
40	Wheel slip ratio regulation for investigating the vehicle's dynamic behavior during braking and steering input. Mechanics and Industry, 2021, 22, 17.	1.3	3
41	Optimization of a supersonic wind tunnel diffuser using genetic algorithm. Engineering Computations, 2015, 32, 1691-1707.	1.4	2
42	Numerical analysis of rotational shape effect on skin friction coefficient in Couette-Taylor flows (with and without injection). Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	1
43	The Effect of Small Bubbles on Resistance Reduction of Water Flow in Co-axial Cylinders with an Inner Rotating Cylinder. Journal of the Institution of Engineers (India): Series C, 2015, 96, 193-204.	1.2	0
44	Optimization and control of a HEV. , 2016, , .		0
45	Tracking control of an unmanned aerial vehicle using cascade configuration of fuzzy logic controllers in presence of windflaw. International Journal of Advanced and Applied Sciences, 2016, 3, 43-51.	0.4	0