Oguz Emrah Turgut

List of Publications by Year
in descending order

34 papers	522 citations	840776 11 h-index	677142 22 g-index
34 all docs	34 docs citations	34 times ranked	661 citing authors

#	Article	IF	Citations
1	Optimal proton exchange membrane fuel cell modelling based on hybrid Teaching Learning Based Optimization â€" Differential Evolution algorithm. Ain Shams Engineering Journal, 2016, 7, 347-360.	6.1	85
2	Hybrid Chaotic Quantum behaved Particle Swarm Optimization algorithm for thermal design of plate fin heat exchangers. Applied Mathematical Modelling, 2016, 40, 50-69.	4.2	68
3	Chaotic quantum behaved particle swarm optimization algorithm for solving nonlinear system of equations. Computers and Mathematics With Applications, 2014, 68, 508-530.	2.7	64
4	Design and economic investigation of shell and tube heat exchangers using Improved Intelligent Tuned Harmony Search algorithm. Ain Shams Engineering Journal, 2014, 5, 1215-1231.	6.1	34
5	Thermal and Economical Optimization of a Shell and Tube Evaporator Using Hybrid Backtracking Searchâ€"Sineâ€"Cosine Algorithm. Arabian Journal for Science and Engineering, 2017, 42, 2105-2123.	3.0	33
6	Island-based Crow Search Algorithm for solving optimal control problems. Applied Soft Computing Journal, 2020, 90, 106170.	7.2	29
7	Thermal design of spiral heat exchangers and heat pipes through global best algorithm. Heat and Mass Transfer, 2017, 53, 899-916.	2.1	25
8	A review of non iterative friction factor correlations for the calculation of pressure drop in pipes. Bitlis Eren University Journal of Science and Technology, 2014, 4, .	0.8	21
9	A novel chaotic manta-ray foraging optimization algorithm for thermo-economic design optimization of an air-fin cooler. SN Applied Sciences, 2021, 3, 1.	2.9	20
10	A novel Masterâ€"Slave optimization algorithm for generating an optimal release policy in case of reservoir operation. Journal of Hydrology, 2019, 577, 123959.	5.4	19
11	Whale optimization and sineâ€"cosine optimization algorithms with cellular topology for parameter identification of chaotic systems and Schottky barrier diode models. Soft Computing, 2021, 25, 1365-1409.	3.6	15
12	Experimental and numerical investigation on the performance of an internally cooled dehumidifier. Heat and Mass Transfer, 2016, 52, 2707-2722.	2.1	12
13	Comparative investigation and multi objective design optimization of R744/R717, R744/R134a and R744/R1234yf cascade rerfigeration systems. Heat and Mass Transfer, 2019, 55, 445-465.	2.1	12
14	Comparative investigation and multi objective design optimization of a cascaded vapor compression absorption refrigeration system operating with different refrigerants in the vapor compression cycle. Heat and Mass Transfer, 2019, 55, 467-488.	2.1	11
15	Multi-objective optimization of the basic and single-stage Organic Rankine Cycles utilizing a low-grade heat source. Heat and Mass Transfer, 2019, 55, 353-374.	2.1	11
16	Chaotic quasi-oppositional arithmetic optimization algorithm for thermo-economic design of a shell and tube condenser running with different refrigerant mixture pairs. Neural Computing and Applications, 0, , 1.	5.6	9
17	Ensemble Shuffled Population Algorithm for multi-objective thermal design optimization of a plate frame heat exchanger operated with Al 2 O 3 /water nanofluid. Applied Soft Computing Journal, 2018, 69, 250-269.	7.2	8
18	Comparison of Flow Boiling Pressure Drop Correlations for Smooth Macrotubes. Heat Transfer Engineering, 2016, 37, 487-506.	1.9	6

#	Article	IF	Citations
19	Artificial Intelligence Approaches to Estimate the Transport Energy Demand in Turkey. Arabian Journal for Science and Engineering, 2021, 46, 2443-2476.	3.0	6
20	Saturated Flow Boiling Heat Transfer Correlation for Small Channels Based on R134a Experimental Data. Arabian Journal for Science and Engineering, 2016, 41, 1921-1939.	1.1	5
21	Global best-guided oppositional algorithm for solving multidimensional optimization problems. Engineering With Computers, 2020, 36, 43-73.	6.1	5
22	Saturated flow boiling heat transfer correlation for carbon dioxide for horizontal smooth tubes. Heat and Mass Transfer, 2017, 53, 2165-2185.	2.1	5
23	Artificial Cooperative Search algorithm for parameter identification of chaotic systems. Bitlis Eren University Journal of Science and Technology, 2015, 5, .	0.8	4
24	An oppositional Salp Swarm: Jaya algorithm for thermal design optimization of an Organic Rankine Cycle. SN Applied Sciences, 2021, 3, 1.	2.9	3
25	Multi-Agent Metaheuristic Framework for Thermal Design Optimization of a Shell and Tube Evaporator Operated with $$\hbox {R134a/Al }_{2}\hbox {O}_{3}$$ R134a/Al 2 O 3 Nanorefrigerant. Arabian Journal for Science and Engineering, 2019, 44, 777-801.	3.0	2
26	Crow Search based Multi-objective Optimization of Irreversible Air Refrigerators. International Journal of Intelligent Systems and Applications in Engineering, 2018, 2, 103-112.	1.5	2
27	Novel Saturated Flow Boiling Correlations for R600a and R717 Refrigerants. Heat Transfer Engineering, 2022, 43, 1579-1609.	1.9	2
28	Differential evolution based global best algorithm: an efficient optimizer for solving constrained and unconstrained optimization problems. SN Applied Sciences, 2020, 2, 1.	2.9	1
29	A New Saturated Two-Phase Flow Boiling Correlation Based on Propane (R290) Data. Arabian Journal for Science and Engineering, 2021, 46, 7851.	3.0	1
30	Multi-objective thermal design optimization of plate frame heat exchangers through Global Best Algorithm. Bitlis Eren University Journal of Science and Technology, 2017, 7, 33-33.	0.8	1
31	Global Best Algorithm Based Parameter Identification of Solar Cell Models. International Journal of Intelligent Systems and Applications in Engineering, 2017, 4, 189-205.	1.5	1
32	Multi objective design optimization of plate fin heat sinks using improved differential search algorithm. International Journal of Intelligent Systems and Applications in Engineering, 2018, 1, 1-13.	1.5	1
33	Improved Artificial Cooperative Search Algorithm for Solving Non-convex Economic Dispatch Problems with Valve-point Effects. International Journal of Intelligent Systems and Applications in Engineering, 2018, 3, 228-241.	1.5	1
34	Solving time-dependent heat conduction problems using metaheuristic algorithms extended with a novel local search strategy. SN Applied Sciences, 2021, 3, 1.	2.9	0