Muhammad Abid

List of Publications by Year
in descending order

29 papers	913 citations	516215 16 h-index	476904 29 g-index
29 all docs	29 docs citations	29 times ranked	675 citing authors

#	Article	IF	Citations
1	Comparative performance assessment of solar dish assisted s-CO2 Brayton cycle using nanofluids. Applied Thermal Engineering, 2019, 148, 295-306.	3.0	119
2	Thermal performance analysis of a parabolic trough collector using water-based green-synthesized nanofluids. Solar Energy, 2018, 170, 658-670.	2.9	72
3	Comparison of experimental and theoretical methods of obtaining the thermal properties of alumina/iron mono and hybrid nanofluids. Journal of Molecular Liquids, 2019, 292, 111377.	2.3	72
4	Thermodynamic evaluation and optimization of a flat plate collector operating with alumina and iron mono and hybrid nanofluids. Sustainable Energy Technologies and Assessments, 2020, 37, 100636.	1.7	65
5	Modelling and performance analysis of an innovative CPVT, wind and biogas integrated comprehensive energy system: An energy and exergy approach. Energy Conversion and Management, 2020, 209, 112611.	4.4	57
6	Numerical Analysis of Heat Transfer Enhancement in a Parabolic Trough Collector Based on Geometry Modifications and Working Fluid Usage. Journal of Solar Energy Engineering, Transactions of the ASME, 2018, 140, .	1.1	54
7	Thermodynamic analysis and comparison of different absorption cycles driven by evacuated tube solar collector utilizing hybrid nanofluids. Energy Conversion and Management, 2021, 246, 114673.	4.4	52
8	Solar assisted multi-generation system using nanofluids: A comparative analysis. International Journal of Hydrogen Energy, 2017, 42, 21429-21442.	3.8	50
9	Thermodynamic and exergoeconomic analysis of a novel solar-assisted multigenerational system utilizing high temperature phase change material and hybrid nanofluid. Energy Conversion and Management, 2021, 236, 113948.	4.4	43
10	Comparative energy, exergy and exergo-economic analysis of solar driven supercritical carbon dioxide power and hydrogen generation cycle. International Journal of Hydrogen Energy, 2020, 45, 5653-5667.	3.8	37
11	Effects of synthetic oil nanofluids and absorber geometries on the exergetic performance of the parabolic trough collector. International Journal of Energy Research, 2018, 42, 3559-3574.	2.2	30
12	Performance analysis of solar assisted multi-effect absorption cooling systems using nanofluids: A comparative analysis. International Journal of Energy Research, 2018, 42, 2901-2915.	2.2	29
13	Entropy Generation Minimization in a Parabolic Trough Collector Operating With SiO2â€“Water Nanofluids Using the Genetic Algorithm and Artificial Neural Network. Journal of Thermal Science and Engineering Applications, 2020, 12, .	0.8	23
14	Second-Law Analysis and Exergoeconomics Optimization of a Solar Towerâ€“Driven Combined-Cycle Power Plant Using Supercritical CO2. Journal of Energy Engineering - ASCE, 2018, 144, .	1.0	20
15	Comparative Study of Heat Transfer Enhancement in Parabolic Trough Collector Based on Modified Absorber Geometry. Journal of Energy Engineering - ASCE, 2019, 145, .	1.0	20
16	Thermal and thermodynamic comparison of smooth and convergentâ€divergent parabolic trough absorber tubes with the application of mono and hybrid nanofluids. International Journal of Energy Research, 2021, 45, 4543-4564.	2.2	18
17	A novel configuration of solar integrated waste-to-energy incineration plant for multi-generational purpose: An effort for achieving maximum performance. Renewable Energy, 2022, 194, 604-620.	4.3	17
18	Thermodynamic analysis of energy storage supported multigeneration system. Energy Storage, 2019, 1, e33.	2.3	15

#	Article	IF	Citations
19	Optimal Analysis of Entropy Generation and Heat Transfer in Parabolic Trough Collector Using Green-Synthesized TiO2/Water Nanofluids. Journal of Solar Energy Engineering, Transactions of the ASME, 2019, 141, .	1.1	15
20	Energy, Exergy and Economic Feasibility Analyses of a 60ÂMW Conventional Steam Power Plant Integrated with Parabolic Trough Solar Collectors Using Nanofluids. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2019, 43, 193-209.	0.8	14
21	Thermodynamic Performance Evaluation of a Solar Parabolic Dish Assisted Multigeneration System. Journal of Solar Energy Engineering, Transactions of the ASME, 2019, 141, .	1.1	13
22	Energetic and exegetic analysis of a novel multi-generation system using solar power tower. International Journal of Exergy, 2019, 29, 211.	0.2	13
23	Olive Leaf-Synthesized Nanofluids for Solar Parabolic Trough Collectorâ€"Thermal Performance Evaluation. Journal of Thermal Science and Engineering Applications, 2019, 11, .	0.8	12
24	Performance analysis of solar assisted multigenerational system using therminol VP1 based nanofluids: A comparative study. Thermal Science, 2020, 24, 865-878.	0.5	12
25	Energy, Exergy, Economic and Environmental analysis of Photovoltaic Thermal Systems for Absorption Cooling Application. Energy Procedia, 2017, 142, 916-923.	1.8	9
26	Thermoâ€environmental investigation of solar parabolic dishâ€assisted multiâ€generation plant using different working fluids. International Journal of Energy Research, 2020, 44, 12376-12394.	2.2	9
27	Energy, exergy, exergoeconomic, and exergoenvironmental study of a parabolic trough collector using a converging-diverging receiver tube. International Journal of Exergy, 2019, 29, 131.	0.2	8
28	Numerical Performance Investigation of Parabolic Dish Solar-Assisted Cogeneration Plant Using Different Heat Transfer Fluids. International Journal of Photoenergy, 2021, 2021, 1-15.	1.4	8
29	Techno-environmental analysis of a parabolic dish assisted recompression with and without reheat s-CO<SUB align="right">2 Brayton cycle. International Journal of Exergy, 2018, 27, 527.	0.2	7