

Muslum Arici

List of Publications by Year in descending order

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146
papers

4,337
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116194

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147
all docs

147
docs citations

147
times ranked

2336
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of heat conduction in a nanoscale metal oxide semiconductor field effect transistor using lattice Boltzmann method. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 8864-8878.	1.2	8
2	Turbulent mixed convective heat transfer in a ventilated enclosure with a cylindrical/cubical heat source: a 3D analysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 12423-12440.	1.2	3
3	Biofuel production from microalgae: challenges and chances. <i>Phytochemistry Reviews</i> , 2023, 22, 1089-1126.	3.1	55
4	A comprehensive review of micro/nano enhanced phase change materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 3989-4016.	2.0	42
5	Optimisation of wall insulation thickness using energy management strategies: Intermittent versus continuous operation schedule. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101778.	1.7	11
6	Impact of innovative fin combination of triangular and rectangular fins on melting process of phase change material in a cavity. <i>Journal of Energy Storage</i> , 2022, 45, 103545.	3.9	29
7	Effect of glass cover on the energy and exergy performance of a combined system including a building integrated photovoltaic/thermal system and a sensible rotary heat exchanger. <i>International Journal of Energy Research</i> , 2022, 46, 5050-5066.	2.2	14
8	Effect of nanoparticle shape on cooling performance of boehmite-alumina nanofluid in a helical heat sink for laminar and turbulent flow regimes. <i>International Journal of Mechanical Sciences</i> , 2022, 217, 107045.	3.6	19
9	Modified model of reduction condensing losses strategy into the wet steam flow considering efficient energy of steam turbine based on injection of nano-droplets. <i>Energy</i> , 2022, 242, 122951.	4.5	5
10	Building glass retrofitting strategies in hot and dry climates: Cost savings on cooling, diurnal lighting, color rendering, and payback timeframes. <i>Energy</i> , 2022, 243, 123106.	4.5	11
11	Mesoscale investigation of specular parameter impact on heat transport in graphene nanoribbon. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 139, 115153.	1.3	12
12	Effect of different building façade systems on thermal comfort and urban heat island phenomenon: An experimental analysis. <i>Building and Environment</i> , 2022, 217, 109063.	3.0	18
13	Incorporating phase change materials into glazing units for building applications: Current progress and challenges. <i>Applied Thermal Engineering</i> , 2022, 210, 118374.	3.0	22
14	Melting of hybrid nano-enhanced phase change material in an inclined finned rectangular cavity for cold energy storage. <i>Journal of Energy Storage</i> , 2022, 50, 104185.	3.9	33
15	Entropy generation characteristics of phase change material in a variable wavy walled triplex tube latent heat storage unit for battery thermal management system. <i>Journal of Energy Storage</i> , 2022, 51, 104374.	3.9	8
16	A review on solar-powered cooling and air-conditioning systems for building applications. <i>Energy Reports</i> , 2022, 8, 2888-2907.	2.5	49
17	A three-dimensional analysis of heat transfer based on mesoscopic method in nanoscale Si-MOSFET and Gr-FET. <i>Superlattices and Microstructures</i> , 2022, 163, 107123.	1.4	8
18	Implementation of a power supervisory for hybrid power system. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 2169-2185.	1.2	0

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19	Energy saving and CO2 reduction potential of external building walls containing two layers of phase change material. <i>Energy</i> , 2022, 252, 124010.	4.5	36
20	Energy consumption, thermal comfort, and indoor air quality in mosques: Impact of Covid-19 measures. <i>Journal of Cleaner Production</i> , 2022, 354, 131726.	4.6	17
21	Comparative evaluation of Al-based intelligent GEP and ANFIS models in prediction of thermophysical properties of Fe ₃ O ₄ -coated MWCNT hybrid nanofluids for potential application in energy systems. <i>International Journal of Energy Research</i> , 2022, 46, 19242-19257.	2.2	38
22	Net-zero energy retrofit of rural house in severe cold region based on passive insulation and BAPV technology. <i>Journal of Cleaner Production</i> , 2022, 360, 132198.	4.6	27
23	Evaluation of entropy generation characteristics of boehmite-alumina nanofluid with different shapes of nanoparticles in a helical heat sink. <i>International Journal of Mechanical Sciences</i> , 2022, 225, 107338.	3.6	17
24	Comparison study of vertical and horizontal elastic wall on vented square enclosure filled by nanofluid and hexagonal shape with MHD effect. <i>European Physical Journal: Special Topics</i> , 2022, 231, 2623-2643.	1.2	4
25	Techno-economic and environmental evaluation of photovoltaic-thermal collector design with pork fat as phase change material. <i>Energy</i> , 2022, 254, 124284.	4.5	24
26	Taguchi optimization of automotive radiator cooling with nanofluids. <i>European Physical Journal: Special Topics</i> , 2022, 231, 2801-2819.	1.2	4
27	Adapting the construction of radiant heating and cooling systems for building retrofit. <i>Energy and Buildings</i> , 2022, 268, 112228.	3.1	9
28	Thermal performance analysis of helical ground-air heat exchanger under hot climate: In situ measurement and numerical simulation. <i>Energy</i> , 2022, 254, 124429.	4.5	6
29	Impact of nano-enhanced phase change material on thermal performance of building envelope and energy consumption. <i>International Journal of Energy Research</i> , 2022, 46, 20249-20264.	2.2	12
30	PCM-enhanced sunspace for energy efficiency and CO2 mitigation in a house in mediterranean climate. <i>Journal of Building Engineering</i> , 2022, 57, 104856.	1.6	9
31	Numerical modeling of magnetohydrodynamic thermosolutal free convection of power law fluids in a staggered porous enclosure. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 53, 102395.	1.7	7
32	Energy storage and exergy efficiency analysis of a shell and tube latent thermal energy storage unit with non-uniform length and distributed fins. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 53, 102362.	1.7	6
33	Heat transfer enhancement of ice storage systems: a systematic review of the literature. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 11611-11632.	2.0	7
34	New potential applications of phase change materials: A review. <i>Journal of Energy Storage</i> , 2022, 53, 105202.	3.9	31
35	On the thermal performance of evacuated tube solar collector integrated with phase change material. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 53, 102437.	1.7	12
36	Thermal environment evaluation of plastic greenhouses in southern China and optimization by phase change materials. <i>Journal of Building Engineering</i> , 2022, 57, 104882.	1.6	4

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37	Natural convection of nanofluid in a U-shaped enclosure emphasizing on the effect of cold rib dimensions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 146, 801-811.	2.0	6
38	Thermal performance modeling of modified absorber wall of solar chimney-shaped channels system for building ventilation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 1137-1149.	2.0	15
39	Photothermal properties and photothermal conversion performance of nano-enhanced paraffin as a phase change thermal energy storage material. <i>Solar Energy Materials and Solar Cells</i> , 2021, 219, 110792.	3.0	89
40	A review on thermal comfort, indoor air quality and energy consumption in temples. <i>Journal of Building Engineering</i> , 2021, 35, 102013.	1.6	22
41	Effect of heat generation and heat absorption on natural convection of Cu-water nanofluid in a wavy enclosure under magnetic field. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 105024.	2.9	44
42	Thermal Science and Technology 2019: New research and technologies in air conditioning and refrigeration. <i>Science and Technology for the Built Environment</i> , 2021, 27, 1-1.	0.8	0
43	Thermal constant analysis of phase change nanocomposites and discussion on selection strategies with respect to economic constraints. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100957.	1.7	23
44	Numerical study of the possibility of improving the hydrothermal performance of an elliptical double-pipe heat exchanger through the simultaneous use of twisted tubes and non-Newtonian nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2825-2840.	2.0	20
45	Thermal Analysis of Crude Oil in Floating Roof Tank Equipped with Horizontal Heating Finned Tube Bundles. <i>ES Energy & Environments</i> , 2021, , .	0.5	0
46	Study of robin condition influence on phonon nano-heat conduction using meso-scale method in MOSFET and SOI-MOSFET devices. <i>Materials Today Communications</i> , 2021, 26, 102031.	0.9	9
47	A comparative experimental investigation of energetic and exergetic performances of water/magnetite nanofluid-based photovoltaic/thermal system equipped with finned and unfinned collectors. <i>Energy</i> , 2021, 220, 119714.	4.5	37
48	A review on the factors influencing energy efficiency of mosque buildings. <i>Journal of Cleaner Production</i> , 2021, 292, 126010.	4.6	25
49	PCM-based passive air conditioner in urban houses for the tropical climates: An experimental analysis on the stratum air circulation. <i>Building and Environment</i> , 2021, 192, 107632.	3.0	31
50	Effect of Magnetic Field and Nanoparticle Concentration on Melting of Cu-Ice in a Rectangular Cavity under Fluctuating Temperatures. <i>Journal of Energy Storage</i> , 2021, 36, 102421.	3.9	23
51	A comparative study on the applicability of six radiant floor, wall, and ceiling heating systems based on thermal performance analysis. <i>Journal of Building Engineering</i> , 2021, 36, 102133.	1.6	26
52	Thermoeconomic analysis of a wall incorporating phase change material in a rural residence located in northeast China. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 44, 101091.	1.7	13
53	Energy efficiency optimization of PCM and aerogel-filled multiple glazing windows. <i>Energy</i> , 2021, 222, 119916.	4.5	55
54	Multi-objective design optimization of solar air heater for food drying based on energy, exergy and improvement potential. <i>Renewable Energy</i> , 2021, 169, 1190-1209.	4.3	53

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55	Effect of Fin Orientation on Melting Process in Horizontal Double Pipe Thermal Energy Storage Systems. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021, 143, .	1.4	12
56	Influence of dome shape on flow structure, natural convection and entropy generation in enclosures at different inclinations: A comparative study. <i>International Journal of Mechanical Sciences</i> , 2021, 197, 106321.	3.6	13
57	Experimental investigation of the usability of the rifled serpentine tube to improve energy and exergy performances of a nanofluid-based photovoltaic/thermal system. <i>Renewable Energy</i> , 2021, 170, 410-425.	4.3	48
58	Effect of graphene nanoparticles on charging and discharging processes of latent thermal energy storage using horizontal cylinders. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101242.	1.7	6
59	Effect of sunspace and PCM louver combination on the energy saving of rural residences: Case study in a severe cold region of China. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101126.	1.7	19
60	Natural convection and entropy generation of Ag-water nanofluid in a finned horizontal annulus: A particular focus on the impact of fin numbers. <i>International Communications in Heat and Mass Transfer</i> , 2021, 125, 105349.	2.9	24
61	A comprehensive review of parabolic trough solar collectors equipped with turbulators and numerical evaluation of hydrothermal performance of a novel model. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101103.	1.7	33
62	Geothermal energy use in Algeria: A review on the current status compared to the worldwide, utilization opportunities and countermeasures. <i>Journal of Cleaner Production</i> , 2021, 302, 126950.	4.6	42
63	Climate assessment of greenhouse equipped with south-oriented PV roofs: An experimental and computational fluid dynamics study. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101100.	1.7	15
64	Performance analysis of a modified solar still using reduced graphene oxide coated absorber plate with activated carbon pellet. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101046.	1.7	38
65	A novel and effective passive cooling strategy for photovoltaic panel. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 145, 111164.	8.2	58
66	Numerical investigation of a double pipe latent heat thermal energy storage with sinusoidal wavy fins during melting and solidification. <i>International Journal of Energy Research</i> , 2021, 45, 20934-20948.	2.2	13
67	Implementation of phase change materials for thermal regulation of photovoltaic thermal systems: Comprehensive analysis of design approaches. <i>Energy</i> , 2021, 228, 120546.	4.5	73
68	A critical evaluation based on Lattice Boltzmann method of nanoscale thermal behavior inside MOSFET and SOI-MOSFET. <i>Microelectronics Journal</i> , 2021, 115, 105191.	1.1	8
69	Reclassification of climatic zones for building thermal regulations based on thermoeconomic analysis: A case study of Turkey. <i>Energy and Buildings</i> , 2021, 246, 111121.	3.1	22
70	Comparison of thermal response times of historical and modern building wall materials. <i>Journal of Thermal Engineering</i> , 2021, 7, 1506-1518.	0.8	1
71	Energetic and exergetic performances of a nanofluid-based photovoltaic/thermal system equipped with a sheet-and-grooved serpentine tube collector: Indoor experimental tests. <i>Solar Energy</i> , 2021, 225, 918-933.	2.9	23
72	Drying uniformity analysis of an indirect solar dryer based on computational fluid dynamics and image processing. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101466.	1.7	14

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73	Feasibility study of wind turbine system integrated with insulated Greenhouse: Case study in Tunisia. Sustainable Energy Technologies and Assessments, 2021, 47, 101333.	1.7	7
74	Investigation of heat convection for photovoltaic panel towards efficient design of novel hybrid cooling approach with incorporated organic phase change material. Sustainable Energy Technologies and Assessments, 2021, 47, 101497.	1.7	12
75	Review of water-based wall systems: Heating, cooling, and thermal barriers. Energy and Buildings, 2021, 253, 111476.	3.1	33
76	Hybrid thermal performance enhancement of shell and tube latent heat thermal energy storage using nano-additives and metal foam. Journal of Energy Storage, 2021, 44, 103347.	3.9	25
77	Performance enhancement of latent heat storage systems by using extended surfaces and porous materials: A state-of-the-art review. Journal of Energy Storage, 2021, 44, 103340.	3.9	37
78	Implications of boundary conditions on natural convective heat transfer of molten phase change material inside enclosures. International Journal of Energy Research, 2021, 45, 7631-7650.	2.2	9
79	On the sunspace utilization in a detached house in climatic conditions of Istanbul. , 2021, , .		0
80	Thermal stress investigation of glazing unit filled with paraffin in cold regions. Journal of Central South University, 2021, 28, 3599-3612.	1.2	3
81	Experimental investigation of thermal comfort and CO2concentration in mosques: A case study in warm temperate climate of Yalova, Turkey. Sustainable Cities and Society, 2020, 52, 101809.	5.1	16
82	Thermal performance evaluation of glass window combining silica aerogels and phase change materials for cold climate of China. Applied Thermal Engineering, 2020, 165, 114547.	3.0	67
83	PCM integrated to external building walls: An optimization study on maximum activation of latent heat. Applied Thermal Engineering, 2020, 165, 114560.	3.0	191
84	Optical and thermal performance of glazing units containing PCM in buildings: A review. Construction and Building Materials, 2020, 233, 117327.	3.2	142
85	Optical properties of paraffin suspension containing TiO2 nanoparticles. Optik, 2020, 208, 164082.	1.4	11
86	Is the thermal transmittance of air-filled inclined multi-glazing windows similar to that of vertical ones?. Energy and Buildings, 2020, 229, 110515.	3.1	26
87	Influence of sunspace on energy consumption of rural residential buildings. Solar Energy, 2020, 211, 336-344.	2.9	37
88	A state of art review and future viewpoint on advance cooling techniques for Lithiumâ€“ion battery system of electric vehicles. Journal of Energy Storage, 2020, 32, 101771.	3.9	137
89	Synergy between the solution based on the Transversal Method Of Lines and the Leveque solution in the platform of the Graetz/Nusselt problem. International Communications in Heat and Mass Transfer, 2020, 116, 104590.	2.9	1
90	Thermal performance based optimization of an office wall containing PCM under intermittent cooling operation. Applied Thermal Engineering, 2020, 179, 115750.	3.0	92

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91	Comprehensive analysis of preparation strategies for phase change nanocomposites and nanofluids with brief overview of safety equipment. <i>Journal of Cleaner Production</i> , 2020, 274, 122963.	4.6	43
92	Lucid characterization of unsteady heat conduction in large, square crossbars and cubes subject to uniform surface heat flux by way of "quasi-steady" Helmholtz equations. <i>Thermal Science and Engineering Progress</i> , 2020, 20, 100724.	1.3	1
93	Computation of spatio-temporal temperatures in simple bodies with thermal radiation cooling by means of the numerical method of lines (NMOL). <i>International Communications in Heat and Mass Transfer</i> , 2020, 114, 104504.	2.9	1
94	A block encryption algorithm based on exponentiation transform. <i>Cogent Engineering</i> , 2020, 7, 1788292.	1.1	5
95	Nano-enhanced phase change materials and fluids in energy applications: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 129, 109931.	8.2	85
96	Characterization investigation on pore-resistance relationship of oil contaminants in soil porous structure. <i>Journal of Petroleum Science and Engineering</i> , 2020, 191, 107208.	2.1	5
97	Does pendimethalin develop in pancreatic cancer induced inflammation?. <i>Chemosphere</i> , 2020, 252, 126644.	4.2	17
98	Non-Newtonian nanofluid natural convection in a U-shaped cavity under magnetic field. <i>International Journal of Mechanical Sciences</i> , 2020, 186, 105887.	3.6	60
99	Numerical investigation of natural convection behavior of molten PCM in an enclosure having rectangular and tree-like branching fins. <i>Energy</i> , 2020, 207, 118223.	4.5	97
100	Seasonal and annual performance analysis of PCM-integrated building brick under the climatic conditions of Marmara region. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 613-624.	2.0	72
101	Seasonal thermal performance analysis of glazed window filled with paraffin including various nanoparticles. <i>International Journal of Energy Research</i> , 2020, 44, 3008-3019.	2.2	31
102	Enhancement of PCM melting rate via internal fin and nanoparticles. <i>International Journal of Heat and Mass Transfer</i> , 2020, 156, 119845.	2.5	116
103	Semi-Analytical Solution of the Graetz Problem With Uniform Wall Heat Flux Utilizing the Transversal Method of Lines. <i>Journal of Heat Transfer</i> , 2020, 142, .	1.2	3
104	Single and Hybrid Nanofluids to Enhance Performance of Flat Plate Solar Collectors: Application and Obstacles. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2020, 65, 86-102.	0.8	12
105	Parametric Study of the Airflow Structure in a Solar Chimney. <i>International Journal of Heat and Technology</i> , 2020, 38, 285-292.	0.3	2
106	FINITE-DIFFERENCE ANALYSIS OF THE GENERALIZED GRAETZ PROBLEM WITH HEAT CONVECTION BOUNDARY CONDITION. <i>Heat Transfer Research</i> , 2020, 51, 797-806.	0.9	2
107	Natural convection of molten PCM in a finned enclosure used in PV/PCM systems. , 2020, , .		0
108	Semi-analytical, piecewise temperature-time distributions in solid bodies of regular shape affected by uniform surface heat flux employing the Method Of Lines (MOL) and the eigenvalue method. <i>International Communications in Heat and Mass Transfer</i> , 2019, 108, 104276.	2.9	3

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109	A numerical model to investigate non-gray photothermal characteristics of paraffin-containing glazed windows. <i>Solar Energy</i> , 2019, 194, 225-238.	2.9	22
110	Analysis of influencing factors of the component analysis method for multivariate mixture. <i>Optik</i> , 2019, 183, 854-862.	1.4	0
111	Effect of inclination angle on natural convection of nanofluids in a U-shaped cavity. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 5289-5294.	1.8	10
112	Performance Evaluation of a Building Integrated Photovoltaic/Thermal System Combined with Air-to-Water Heat Pump. <i>Applied Mechanics and Materials</i> , 2019, 887, 181-188.	0.2	0
113	Comparison of a theoretical and experimental thermal conductivity model on the heat transfer performance of Al ₂ O ₃ -SiO ₂ /water hybrid-nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2019, 140, 598-605.	2.5	97
114	Experimental investigation of optical properties of oily sewage with different pH environment. <i>Optik</i> , 2019, 183, 338-345.	1.4	5
115	Comparison of transmittance and reflection methods for solving optical constants of optical glass. <i>Optik</i> , 2019, 183, 924-932.	1.4	6
116	Investigation of Effect of Window-to-Wall Ratio on the Indoor Air Temperature by Lumped Capacitance Approach. , 2019, , .		0
117	Using pellet fuels for residential heating: A field study on its efficiency and the users' satisfaction. <i>Energy and Buildings</i> , 2019, 184, 193-204.	3.1	28
118	Solar plant with short diffuser concept: Further improvement of numerical model by included influence of guide vane topology on shape and stability of gravitational vortex. <i>Journal of Cleaner Production</i> , 2019, 212, 353-361.	4.6	27
119	Experimental investigation of thermal radiative properties of Al ₂ O ₃ -paraffin nanofluid. <i>Solar Energy</i> , 2019, 177, 420-426.	2.9	44
120	A novel optical method for component content measurement of multivariate mixture. <i>Optik</i> , 2019, 180, 799-806.	1.4	1
121	Analysis of fluid flow and heat transfer characteristics in multiple glazing roofs with a special emphasis on the thermal performance. <i>Applied Thermal Engineering</i> , 2019, 148, 694-703.	3.0	24
122	Limitations of the lumped model for in-tube laminar forced convection interacting with cross forced convection flows. <i>Heat Transfer - Asian Research</i> , 2019, 48, 1032-1043.	2.8	0
123	Thermal performance of non-ventilated multilayer glazing facades filled with phase change material. <i>Solar Energy</i> , 2019, 177, 464-470.	2.9	51
124	Phase change material based cooling of photovoltaic panel: A simplified numerical model for the optimization of the phase change material layer and general economic evaluation. <i>Journal of Cleaner Production</i> , 2018, 189, 738-745.	4.6	97
125	Influence of glazed roof containing phase change material on indoor thermal environment and energy consumption. <i>Applied Energy</i> , 2018, 222, 343-350.	5.1	91
126	Investigation of pork fat as potential novel phase change material for passive cooling applications in photovoltaics. <i>Journal of Cleaner Production</i> , 2018, 170, 1006-1016.	4.6	73

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127	Investigation on the melting process of phase change material in a square cavity with a single fin attached at the center of the heated wall. EPJ Applied Physics, 2018, 83, 10902.	0.3	13
128	NUMERICAL INVESTIGATION OF MELTING OF PARAFFIN WAX DISPERSED WITH CuO NANOPARTICLES INSIDE A SQUARE ENCLOSURE. Heat Transfer Research, 2018, 49, 847-863.	0.9	25
129	Numerical investigation of thermal and optical performance of window units filled with nanoparticle enhanced PCM. International Journal of Heat and Mass Transfer, 2018, 125, 1321-1332.	2.5	70
130	Numerical analysis of unsteady heat conduction in regular solid bodies comprising natural convection to nearby fluids. Heat Transfer - Asian Research, 2018, 47, 887-906.	2.8	2
131	Energy investigation of glazed windows containing Nano-PCM in different seasons. Energy Conversion and Management, 2018, 172, 119-128.	4.4	117
132	Contribution to the research of an alternative energy concept for carbon free electricity production: Concept of solar power plant with short diffuser. Energy Conversion and Management, 2017, 148, 533-553.	4.4	34
133	Melting of nanoparticle-enhanced paraffin wax in a rectangular enclosure with partially active walls. International Journal of Heat and Mass Transfer, 2017, 104, 7-17.	2.5	119
134	Effect of Phase Change Materials on Time Lag, Decrement Factor and Heat-Saving. Acta Physica Polonica A, 2017, 132, 1102-1105.	0.2	12
135	Mixed convection heat transfer of nanofluids in a trapezoidal cavity having an adiabatic square body at its center. Research on Engineering Structures and Materials, 2017, , .	0.2	0
136	An accurate discretization for an inhomogeneous transport equation with arbitrary coefficients and source. Computers and Fluids, 2016, 125, 101-115.	1.3	5
137	Investigation of Heat Insulation Performance of Hollow Clay Bricks Filled with Perlite. Acta Physica Polonica A, 2016, 130, 266-268.	0.2	9
138	Flow and heat transfer in double, triple and quadruple pane windows. Energy and Buildings, 2015, 86, 394-402.	3.1	94
139	An investigation of flow and conjugate heat transfer in multiple pane windows with respect to gap width, emissivity and gas filling. Renewable Energy, 2015, 75, 249-256.	4.3	69
140	Effect of Aspect Ratio on Natural Convection in a Cavity with Wavy Walls. Acta Physica Polonica A, 2015, 128, B-197-B-200.	0.2	15
141	Performance and Emissions of a Micro-Turbine Fueled With JP8-Canola Biodiesel Mixtures. , 2014, , .		1
142	A numerical investigation of fluid flow and heat transfer inside a room for floor heating and wall heating systems. Energy and Buildings, 2013, 67, 471-478.	3.1	65
143	Multiple pane window applications in various climatic regions of Turkey. Energy and Buildings, 2012, 45, 67-71.	3.1	56
144	Determination of optimum thickness of double-glazed windows for the climatic regions of Turkey. Energy and Buildings, 2010, 42, 1773-1778.	3.1	65

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145	Experimental investigation on thermal properties of Al ₂ O ₃ nanoparticles dispersed paraffin for thermal energy storage applications. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-11.	1.2	6
146	Energy and exergy analyses of a helicoidal water to air geothermal heat exchanger for arid regions. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-16.	1.2	13