

Lasse Rosendahl

List of Publications by Year in descending order

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278
papers

16,414
citations

13068

68
h-index

19690

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283
all docs

283
docs citations

283
times ranked

9002
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal liquefaction of biomass: A review of subcritical water technologies. <i>Energy</i> , 2011, 36, 2328-2342.	4.5	1,409
2	Grate-firing of biomass for heat and power production. <i>Progress in Energy and Combustion Science</i> , 2008, 34, 725-754.	15.8	402
3	Measurement of thermal conductivity of ZnO-TiO ₂ /EG hybrid nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 125, 527-535.	2.0	312
4	Effects of temperature and nanoparticles concentration on rheological behavior of Fe ₃ O ₄ -Ag/EG hybrid nanofluid: An experimental study. <i>Experimental Thermal and Fluid Science</i> , 2016, 77, 38-44.	1.5	309
5	An experimental study on thermal conductivity of F-MWCNTs-Fe ₃ O ₄ /EG hybrid nanofluid: Effects of temperature and concentration. <i>International Communications in Heat and Mass Transfer</i> , 2016, 76, 171-177.	2.9	300
6	Hydrothermal liquefaction of barley straw to bio-crude oil: Effects of reaction temperature and aqueous phase recirculation. <i>Applied Energy</i> , 2015, 137, 183-192.	5.1	298
7	Experimental study on thermal conductivity of ethylene glycol containing hybrid nano-additives and development of a new correlation. <i>Applied Thermal Engineering</i> , 2017, 110, 1111-1119.	3.0	290
8	Effects of temperature and solid volume fraction on viscosity of SiO ₂ -MWCNTs/SAE40 hybrid nanofluid as a coolant and lubricant in heat engines. <i>Applied Thermal Engineering</i> , 2016, 102, 45-54.	3.0	269
9	Heat transfer efficiency of Al ₂ O ₃ -MWCNT/thermal oil hybrid nanofluid as a cooling fluid in thermal and energy management applications: An experimental and theoretical investigation. <i>International Journal of Heat and Mass Transfer</i> , 2018, 117, 474-486.	2.5	263
10	Experimental study on thermal conductivity of water-based Fe ₃ O ₄ nanofluid: Development of a new correlation and modeled by artificial neural network. <i>International Communications in Heat and Mass Transfer</i> , 2016, 75, 262-269.	2.9	241
11	Evaluation of thermal conductivity of MgO-MWCNTs/EG hybrid nanofluids based on experimental data by selecting optimal artificial neural networks. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 85, 90-96.	1.3	210
12	Effects of temperature and concentration on rheological behavior of MWCNTs/SiO ₂ (20-80)-SAE40 hybrid nano-lubricant. <i>International Communications in Heat and Mass Transfer</i> , 2016, 76, 133-138.	2.9	203
13	New Weighted Sum of Gray Gases Model Applicable to Computational Fluid Dynamics (CFD) Modeling of Oxy-Fuel Combustion: Derivation, Validation, and Implementation. <i>Energy & Fuels</i> , 2010, 24, 6275-6282.	2.5	202
14	Hydrothermal liquefaction of <i>Spirulina</i> and <i>Nannochloropsis salina</i> under subcritical and supercritical water conditions. <i>Bioresource Technology</i> , 2013, 131, 413-419.	4.8	200
15	Continuous Hydrothermal Liquefaction of Biomass: A Critical Review. <i>Energies</i> , 2018, 11, 3165.	1.6	195
16	Effect of sonication characteristics on stability, thermophysical properties, and heat transfer of nanofluids: A comprehensive review. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104701.	3.8	188
17	An experimental study on rheological behavior of non-Newtonian hybrid nano-coolant for application in cooling and heating systems. <i>Experimental Thermal and Fluid Science</i> , 2016, 76, 221-227.	1.5	187
18	Thermal conductivity enhancement of COOH-functionalized MWCNTs/ethylene glycol-water nanofluid for application in heating and cooling systems. <i>Applied Thermal Engineering</i> , 2016, 105, 716-723.	3.0	176

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19	Effect of suspending hybrid nano-additives on rheological behavior of engine oil and pumping power. Applied Thermal Engineering, 2016, 109, 524-534.	3.0	176
20	Experimental determination of viscosity of water based magnetite nanofluid for application in heating and cooling systems. Journal of Magnetism and Magnetic Materials, 2016, 417, 243-248.	1.0	172
21	A three-dimensional numerical model of thermoelectric generators in fluid power systems. International Journal of Heat and Mass Transfer, 2011, 54, 345-355.	2.5	171
22	Continuous hydrothermal co-liquefaction of aspen wood and glycerol with water phase recirculation. Applied Energy, 2016, 162, 1034-1041.	5.1	164
23	An experimental study on stability and thermal conductivity of water/silica nanofluid: Eco-friendly production of nanoparticles. Journal of Cleaner Production, 2019, 206, 1089-1100.	4.6	164
24	Prediction of dynamic viscosity of a hybrid nano-lubricant by an optimal artificial neural network. International Communications in Heat and Mass Transfer, 2016, 76, 209-214.	2.9	163
25	Influence of alkali catalyst on product yield and properties via hydrothermal liquefaction of barley straw. Energy, 2015, 80, 284-292.	4.5	160
26	Study on thermal conductivity of water-based nanofluids with hybrid suspensions of CNTs/Al ₂ O ₃ nanoparticles. Journal of Thermal Analysis and Calorimetry, 2016, 124, 455-460.	2.0	153
27	Effects of temperature and concentration on the viscosity of nanofluids made of single-wall carbon nanotubes in ethylene glycol. International Communications in Heat and Mass Transfer, 2016, 74, 108-113.	2.9	149
28	Experimental evaluation of dynamic viscosity of ZnO-MWCNTs/engine oil hybrid nanolubricant based on changes in temperature and concentration. Journal of Thermal Analysis and Calorimetry, 2019, 136, 513-525.	2.0	143
29	Evaluating the effect of temperature and concentration on the thermal conductivity of ZnO-TiO ₂ /EG hybrid nanofluid using artificial neural network and curve fitting on experimental data. Physica A: Statistical Mechanics and Its Applications, 2019, 519, 209-216.	1.2	143
30	Feasibility and parametric evaluation of hybrid concentrated photovoltaic-thermoelectric system. Applied Energy, 2017, 187, 380-389.	5.1	140
31	An experimental study on viscosity of alumina-engine oil: Effects of temperature and nanoparticles concentration. International Communications in Heat and Mass Transfer, 2016, 76, 202-208.	2.9	135
32	Designing an Artificial Neural Network (ANN) to predict the viscosity of Silver/Ethylene glycol nanofluid at different temperatures and volume fraction of nanoparticles. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122142.	1.2	134
33	Mathematical Modeling and Experimental Study of Biomass Combustion in a Thermal 108 MW Grate-Fired Boiler. Energy & Fuels, 2008, 22, 1380-1390.	2.5	130
34	On the motion of non-spherical particles at high Reynolds number. Powder Technology, 2010, 202, 1-13.	2.1	130
35	Investigation of free convection heat transfer and entropy generation of nanofluid flow inside a cavity affected by magnetic field and thermal radiation. Journal of Thermal Analysis and Calorimetry, 2019, 137, 997-1019.	2.0	128
36	Numerical Modeling of Thermoelectric Generators With Varying Material Properties in a Circuit Simulator. IEEE Transactions on Energy Conversion, 2009, 24, 112-124.	3.7	127

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37	Modelling the motion of cylindrical particles in a nonuniform flow. <i>Chemical Engineering Science</i> , 2003, 58, 3489-3498.	1.9	126
38	First approach on nanofluid-based solar still in high altitude for water desalination and solar water disinfection (SODIS). <i>Desalination</i> , 2020, 491, 114592.	4.0	126
39	Evaluation of thermal conductivity of COOH-functionalized MWCNTs/water via temperature and solid volume fraction by using experimental data and ANN methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 1273-1278.	2.0	124
40	Catalytic upgrading of hydrothermal liquefaction biocrudes: Different challenges for different feedstocks. <i>Renewable Energy</i> , 2019, 141, 420-430.	4.3	123
41	An experimental study on thermal conductivity of MgO nanoparticles suspended in a binary mixture of water and ethylene glycol. <i>International Communications in Heat and Mass Transfer</i> , 2015, 67, 173-175.	2.9	121
42	Applications of feedforward multilayer perceptron artificial neural networks and empirical correlation for prediction of thermal conductivity of Mg(OH) ₂ /EG using experimental data. <i>International Communications in Heat and Mass Transfer</i> , 2015, 67, 46-50.	2.9	120
43	An experimental and theoretical investigation on heat transfer capability of Mg(OH) ₂ /MWCNT-engine oil hybrid nano-lubricant adopted as a coolant and lubricant fluid. <i>Applied Thermal Engineering</i> , 2018, 129, 577-586.	3.0	120
44	Assessment of thermal conductivity enhancement of nano-antifreeze containing single-walled carbon nanotubes: Optimal artificial neural network and curve-fitting. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 521, 138-145.	1.2	113
45	Experimental investigation and development of new correlations for thermal conductivity of CuO/EG/water nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2015, 65, 47-51.	2.9	111
46	Chemistry and radiation in oxy-fuel combustion: A computational fluid dynamics modeling study. <i>Fuel</i> , 2011, 90, 2519-2529.	3.4	106
47	A survey on experimental and numerical studies of convection heat transfer of nanofluids inside closed conduits. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401667356.	0.8	101
48	Modeling and prediction of rheological behavior of Al ₂ O ₃ /EG nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 1273-1278.	1.2	101
49	Viscosity and rheological properties of antifreeze based nanofluid containing hybrid nano-powders of MWCNTs and TiO ₂ under different temperature conditions. <i>Powder Technology</i> , 2019, 342, 808-816.	2.1	101
50	Predicting the effects of magnesium oxide nanoparticles and temperature on the thermal conductivity of water using artificial neural network and experimental data. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 87, 242-247.	1.3	100
51	Energy efficiency analysis and impact evaluation of the application of thermoelectric power cycle to today's CHP systems. <i>Applied Energy</i> , 2010, 87, 1231-1238.	5.1	99
52	Behavior of hybrid concentrated photovoltaic-thermoelectric generator under variable solar radiation. <i>Energy Conversion and Management</i> , 2018, 164, 443-452.	4.4	97
53	Use of numerical modeling in design for co-firing biomass in wall-fired burners. <i>Chemical Engineering Science</i> , 2004, 59, 3281-3292.	1.9	92
54	Prediction of rheological behavior of SiO ₂ -MWCNTs/10W40 hybrid nanolubricant by designing neural network. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 2741-2748.	2.0	91

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55	Effect of magnetic field on mixed convection and entropy generation of hybrid nanofluid in an inclined enclosure: Sensitivity analysis and optimization. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	91
56	Effect of Magnetic Field on Free Convection in Inclined Cylindrical Annulus Containing Molten Potassium. <i>International Journal of Applied Mechanics</i> , 2015, 07, 1550052.	1.3	90
57	Rheological characteristics of MgO/oil nanolubricants: Experimental study and neural network modeling. <i>International Communications in Heat and Mass Transfer</i> , 2017, 86, 245-252.	2.9	89
58	The effects of tape insert material on the flow and heat transfer in a nanofluid-based double tube heat exchanger: Two-phase mixture model. <i>International Journal of Mechanical Sciences</i> , 2019, 156, 397-409.	3.6	87
59	Magneto-natural convection in square cavities with a source-sink pair on different walls. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2015, 47, 21-32.	0.3	86
60	Using a multi-parameter particle shape description to predict the motion of non-spherical particle shapes in swirling flow. <i>Applied Mathematical Modelling</i> , 2000, 24, 11-25.	2.2	79
61	Production of fuel range oxygenates by supercritical hydrothermal liquefaction of lignocellulosic model systems. <i>Biomass and Bioenergy</i> , 2015, 83, 206-215.	2.9	79
62	Co-firing straw with coal in a swirl-stabilized dual-feed burner: Modelling and experimental validation. <i>Bioresource Technology</i> , 2010, 101, 4169-4178.	4.8	78
63	Further study of the gas temperature deviation in large-scale tangentially coal-fired boilers. <i>Fuel</i> , 2003, 82, 1127-1137.	3.4	77
64	Waste Heat Recovery from a Marine Waste Incinerator Using a Thermoelectric Generator. <i>Journal of Electronic Materials</i> , 2012, 41, 1024-1029.	1.0	77
65	Experimental and numerical study on the transient behavior of multi-junction solar cell-thermoelectric generator hybrid system. <i>Energy Conversion and Management</i> , 2019, 184, 448-455.	4.4	76
66	Valorization of animal and human wastes through hydrothermal liquefaction for biocrude production and simultaneous recovery of nutrients. <i>Energy Conversion and Management</i> , 2020, 216, 112925.	4.4	75
67	Parametric optimization of thermoelectric elements footprint for maximum power generation. <i>Journal of Power Sources</i> , 2014, 255, 151-156.	4.0	73
68	Hybrid energy harvesting system to maximize power generation from solar energy. <i>Energy Conversion and Management</i> , 2020, 205, 112352.	4.4	71
69	Full characterization of compounds obtained from fractional distillation and upgrading of a HTL biocrude. <i>Applied Energy</i> , 2017, 202, 408-419.	5.1	70
70	Co-processing potential of HTL bio-crude at petroleum refineries – Part 1: Fractional distillation and characterization. <i>Fuel</i> , 2016, 165, 526-535.	3.4	69
71	Hydrothermal liquefaction of high ash containing sewage sludge at sub and supercritical conditions. <i>Biomass and Bioenergy</i> , 2020, 135, 105504.	2.9	69
72	Towards a CFD-based mechanistic deposit formation model for straw-fired boilers. <i>Fuel</i> , 2006, 85, 833-848.	3.4	68

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73	Protection and thermal management of thermoelectric generator system using phase change materials: An experimental investigation. <i>Energy</i> , 2018, 156, 311-318.	4.5	66
74	Investigation of a computer CPU heat sink under laminar forced convection using a structural stability method. <i>International Journal of Heat and Mass Transfer</i> , 2019, 134, 1218-1226.	2.5	66
75	Incorporating novel heat recovery units into an AHU for energy demand reduction-exergy analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2821-2830.	2.0	66
76	Methods to improve prediction performance of ANN models. <i>Simulation Modelling Practice and Theory</i> , 2003, 11, 211-222.	2.2	63
77	Co-processing potential of HTL bio-crude at petroleum refineries. Part 2: A parametric hydrotreating study. <i>Fuel</i> , 2016, 165, 536-543.	3.4	63
78	Coupled thermal model of photovoltaic-thermoelectric hybrid panel for sample cities in Europe. <i>Renewable Energy</i> , 2016, 99, 127-135.	4.3	62
79	Using artificial neural network for investigating of concurrent effects of multi-walled carbon nanotubes and alumina nanoparticles on the viscosity of 10W-40 engine oil. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 510, 610-624.	1.2	61
80	On evaluation of thermophysical properties of transformer oil-based nanofluids: A comprehensive modeling and experimental study. <i>Journal of Molecular Liquids</i> , 2020, 300, 112249.	2.3	61
81	Experimental and numerical investigation of hybrid concentrated photovoltaic & Thermoelectric module under low solar concentration. <i>Energy</i> , 2018, 159, 1123-1131.	4.5	60
82	Experimental study on rheological behavior of waterðylene glycol mixture in the presence of functionalized multi-walled carbon nanotubes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 1177-1185.	2.0	59
83	Optimizing the conditions for hydrothermal liquefaction of barley straw for bio-crude oil production using response surface methodology. <i>Science of the Total Environment</i> , 2018, 630, 560-569.	3.9	58
84	Evaluating the effects of different parameters on rheological behavior of nanofluids: A comprehensive review. <i>Powder Technology</i> , 2018, 338, 342-353.	2.1	58
85	Experimental investigation of thermoelectric power generation versus coolant pumping power in a microchannel heat sink. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1054-1058.	2.9	57
86	Power optimization and economic evaluation of thermoelectric waste heat recovery system around a rotary cement kiln. <i>Journal of Cleaner Production</i> , 2019, 232, 1321-1334.	4.6	57
87	Impact of oscillating magnetic field on the thermal-conductivity of water-Fe ₃ O ₄ and water-Fe ₃ O ₄ /CNT ferro-fluids: Experimental study. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 484, 258-265.	1.0	56
88	Pulverized straw combustion in a low-NO _x multifuel burner: Modeling the transition from coal to straw. <i>Fuel</i> , 2010, 89, 3051-3062.	3.4	55
89	Characteristics and parametric analysis of a novel flexible ink-based thermoelectric generator for human body sensor. <i>Energy Conversion and Management</i> , 2018, 156, 655-665.	4.4	55
90	Renewable hydrocarbon fuels from hydrothermal liquefaction: A techno-economic analysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 213-223.	1.9	54

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91	A novel method for autonomous remote condition monitoring of rotating machines using piezoelectric energy harvesting approach. <i>Sensors and Actuators A: Physical</i> , 2019, 295, 37-50.	2.0	53
92	Conceptual design of an integrated hydrothermal liquefaction and biogas plant for sustainable bioenergy production. <i>Bioresource Technology</i> , 2013, 129, 402-410.	4.8	52
93	Analysis of product distribution and characteristics in hydrothermal liquefaction of barley straw in subcritical and supercritical water. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 737-743.	1.3	52
94	Bio-Crude Production through Aqueous Phase Recycling of Hydrothermal Liquefaction of Sewage Sludge. <i>Energies</i> , 2020, 13, 493.	1.6	52
95	Effect of horizontal and vertical elliptic baffles inside an enclosure on the mixed convection of a MWCNTs-water nanofluid and its entropy generation. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	50
96	Effect of magnetic field on laminar forced convective heat transfer of MWCNTs-Fe ₃ O ₄ /water hybrid nanofluid in a heated tube. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 1809-1825.	2.0	50
97	Heat transfer enhancement in a counter-flow sinusoidal parallel-plate heat exchanger partially filled with porous media using metal foam in the channels' divergent sections. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 1669-1685.	2.0	50
98	Co-optimized design of microchannel heat exchangers and thermoelectric generators. <i>International Journal of Thermal Sciences</i> , 2013, 72, 73-81.	2.6	48
99	Experimental Investigation on a Thermal Model for a Basin Solar Still with an External Reflector. <i>Energies</i> , 2017, 10, 18.	1.6	48
100	Two-stage catalytic hydrotreatment of highly nitrogenous biocrude from continuous hydrothermal liquefaction: A rational design of the stabilization stage. <i>Biomass and Bioenergy</i> , 2020, 139, 105658.	2.9	48
101	System Modeling and Validation of a Thermoelectric Fluidic Power Source: Proton Exchange Membrane Fuel Cell and Thermoelectric Generator (PEMFC-TEG). <i>Journal of Electronic Materials</i> , 2010, 39, 1593-1600.	1.0	47
102	Synergetic hydrothermal co-liquefaction of crude glycerol and aspen wood. <i>Energy Conversion and Management</i> , 2015, 106, 886-891.	4.4	47
103	Biocrude production via supercritical hydrothermal co-liquefaction of spent mushroom compost and aspen wood sawdust. <i>Renewable Energy</i> , 2017, 111, 392-398.	4.3	47
104	A review on fuel cell types and the application of nanofluid in their cooling. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 1633-1654.	2.0	47
105	Turbulence modulation in dilute particle-laden flow. <i>International Journal of Heat and Fluid Flow</i> , 2009, 30, 331-338.	1.1	46
106	Thermal effect of a thermoelectric generator on parallel microchannel heat sink. <i>Energy</i> , 2012, 37, 220-227.	4.5	46
107	Characterizing and modeling of an 88MW grate-fired boiler burning wheat straw: Experience and lessons. <i>Energy</i> , 2012, 41, 473-482.	4.5	46
108	Continuous production of bio-oil by catalytic liquefaction from wet distiller's grain with solubles (WDGS) from bio-ethanol production. <i>Biomass and Bioenergy</i> , 2012, 36, 327-332.	2.9	46

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109	Effects of temperature and volume concentration on thermal conductivity of TiO_2 /EG-water hybrid nano-fluid. Powder Technology, 2020, 362, 578-585.	2.1	46
110	Catalytic Hydrotreatment of Microalgae Biocrude from Continuous Hydrothermal Liquefaction: Heteroatom Removal and Their Distribution in Distillation Cuts. Energies, 2018, 11, 3360.	1.6	45
111	Investigation of the entropy generation during natural convection of Newtonian and non-Newtonian fluids inside the L-shaped cavity subjected to magnetic field: application of lattice Boltzmann method. European Physical Journal Plus, 2020, 135, 1.	1.2	45
112	Two-stage alkaline hydrothermal liquefaction of wood to biocrude in a continuous bench-scale system. Biomass Conversion and Biorefinery, 2017, 7, 425-435.	2.9	43
113	Numerical simulation of blood flow inside an artery under applying constant heat flux using Newtonian and non-Newtonian approaches for biomedical engineering. Computer Methods and Programs in Biomedicine, 2020, 190, 105375.	2.6	43
114	A comparison of micro-structured flat-plate and cross-cut heat sinks for thermoelectric generation application. Energy Conversion and Management, 2015, 101, 730-737.	4.4	42
115	A broadband macro-fiber-composite piezoelectric energy harvester for higher energy conversion from practical wideband vibrations. Nano Energy, 2020, 76, 104978.	8.2	42
116	Analysis and management of laminar blood flow inside a cerebral blood vessel using a finite volume software program for biomedical engineering. Computer Methods and Programs in Biomedicine, 2020, 190, 105384.	2.6	42
117	Perforated fins effect on the heat transfer rate from a circular tube by using wind tunnel: An experimental view. Heat and Mass Transfer, 2018, 54, 3047-3057.	1.2	41
118	Reducing AHU energy consumption by a new layout of using heat recovery units. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2811-2820.	2.0	41
119	Characteristics of batch rotor-stator mixer performance elucidated by shaft torque and angle resolved PIV measurements. Canadian Journal of Chemical Engineering, 2011, 89, 1076-1095.	0.9	40
120	Experimental and modeling study of flash calcination of kaolinite rich clay particles in a gas suspension calciner. Applied Clay Science, 2015, 103, 10-19.	2.6	40
121	Finite Volume Simulation of mixed convection in an inclined lid-driven cavity filled with nanofluids: Effects of a hot elliptical centric cylinder, cavity angle and volume fraction of nanoparticles. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121122.	1.2	40
122	Harvesting waste heat from cement kiln shell by thermoelectric system. Energy, 2019, 168, 358-369.	4.5	40
123	Numerical investigation of nanofluid laminar forced convection heat transfer between two horizontal concentric cylinders in the presence of porous medium. Journal of Thermal Analysis and Calorimetry, 2020, 141, 2095-2108.	2.0	40
124	Improving the thermal conductivity of paraffin by incorporating MWCNTs nanoparticles. Journal of Thermal Analysis and Calorimetry, 2021, 145, 2809-2816.	2.0	40
125	How the dispersion of magnesium oxide nanoparticles effects on the viscosity of water-ethylene glycol mixture: Experimental evaluation and correlation development. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 87, 273-280.	1.3	37
126	Optimization of a thermoelectric generator subsystem for high temperature PEM fuel cell exhaust heat recovery. International Journal of Hydrogen Energy, 2014, 39, 6637-6645.	3.8	36

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127	Flash calcination of kaolinite rich clay and impact of process conditions on the quality of the calcines: A way to reduce CO2 footprint from cement industry. <i>Applied Energy</i> , 2016, 162, 1218-1224.	5.1	36
128	An investigation on the influence of the shape of the vortex generator on fluid flow and turbulent heat transfer of hybrid nanofluid in a channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1425-1438.	2.0	36
129	Prediction of rheological behavior of MWCNTs@SiO2/EG-water non-Newtonian hybrid nanofluid by designing new correlations and optimal artificial neural networks. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1029-1038.	2.0	35
130	Integration of Thermoelectric Generators and Wood Stove to Produce Heat, Hot Water, and Electrical Power. <i>Journal of Electronic Materials</i> , 2013, 42, 2127-2133.	1.0	33
131	Calcination of kaolinite clay particles for cement production: A modeling study. <i>Cement and Concrete Research</i> , 2014, 61-62, 11-19.	4.6	33
132	Application of Algae as Cosubstrate To Enhance the Processability of Willow Wood for Continuous Hydrothermal Liquefaction. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4562-4571.	1.8	33
133	On the role of enclosure side walls thickness and heater geometry in heat transfer enhancement of water@Al2O3 nanofluid in presence of a magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 679-696.	2.0	33
134	New Configurations of Micro Plate-Fin Heat Sink to Reduce Coolant Pumping Power. <i>Journal of Electronic Materials</i> , 2012, 41, 1298-1304.	1.0	32
135	Biocrude Production from Wheat Straw at Sub and Supercritical Hydrothermal Liquefaction. <i>Energies</i> , 2020, 13, 3114.	1.6	32
136	Irreversible transfer processes of thermoelectric generators. <i>American Journal of Physics</i> , 2007, 75, 815-820.	0.3	31
137	Impact of nitrogenous alkaline agent on continuous HTL of lignocellulosic biomass and biocrude upgrading. <i>Fuel Processing Technology</i> , 2017, 159, 376-385.	3.7	31
138	Biocrude production and nutrients recovery through hydrothermal liquefaction of wastewater irrigated willow. <i>Biomass and Bioenergy</i> , 2018, 118, 24-31.	2.9	31
139	Bio-crude production through co-hydrothermal processing of swine manure with sewage sludge to enhance pumpability. <i>Fuel</i> , 2021, 288, 119407.	3.4	30
140	The Role of Catalysts in Biomass Hydrothermal Liquefaction and Biocrude Upgrading. <i>Processes</i> , 2022, 10, 207.	1.3	30
141	Physical characterization of biomass fuels prepared for suspension firing in utility boilers for CFD modelling. <i>Biomass and Bioenergy</i> , 2007, 31, 318-325.	2.9	29
142	Experimental Study of a Thermoelectric Generation System. <i>Journal of Electronic Materials</i> , 2011, 40, 744-752.	1.0	29
143	Pretreatment methods to obtain pumpable high solid loading wood-water slurries for continuous hydrothermal liquefaction systems. <i>Biomass and Bioenergy</i> , 2015, 81, 437-443.	2.9	29
144	Effect of a porous medium on flow and mixed convection heat transfer of nanofluids with variable properties in a trapezoidal enclosure. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 741-754.	2.0	28

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145	Hydrothermal liquefaction of pre-treated municipal solid waste (biopulp) with recirculation of concentrated aqueous phase. <i>Biomass and Bioenergy</i> , 2021, 148, 106032.	2.9	28
146	Effectiveness of solar water disinfection in the era of COVID-19 (SARS-CoV-2) pandemic for contaminated water/wastewater treatment considering UV effect and temperature. <i>Journal of Water Process Engineering</i> , 2021, 43, 102224.	2.6	28
147	Evaluating Thermoelectric Power Generation Device Performance Using a Rectangular Microchannel Heat Sink. <i>Journal of Electronic Materials</i> , 2011, 40, 481-488.	1.0	27
148	Study on material properties effect for maximization of thermoelectric power generation. <i>Renewable Energy</i> , 2019, 138, 236-242.	4.3	27
149	Buckling analyses of FG porous nanocomposite cylindrical shells with graphene platelet reinforcement subjected to uniform external lateral pressure. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 1059-1079.	3.4	27
150	Sonication time efficacy on Fe ₃ O ₄ -liquid paraffin magnetic nanofluid thermal conductivity: An experimental evaluation. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 105004.	3.8	27
151	An updated review on the nanofluids characteristics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 4091-4101.	2.0	26
152	Modeling of Subcooled Flow Boiling with Nanoparticles under the Influence of a Magnetic Field. <i>Symmetry</i> , 2019, 11, 1275.	1.1	26
153	The Art of Smooth Continuous Hydroprocessing of Biocrudes Obtained from Hydrothermal Liquefaction: Hydrodemetallization and Propensity for Coke Formation. <i>Energy & Fuels</i> , 2021, 35, 10611-10622.	2.5	26
154	Effect of biomass pretreatment on the product distribution and composition resulting from the hydrothermal liquefaction of short rotation coppice willow. <i>Bioresource Technology</i> , 2017, 231, 116-123.	4.8	25
155	Transient Model of Hybrid Concentrated Photovoltaic with Thermoelectric Generator. <i>Energy Procedia</i> , 2017, 142, 564-569.	1.8	23
156	Utilizing thermoelectric generator as cavity temperature controller for temperature management in dish-Stirling engine. <i>Applied Thermal Engineering</i> , 2020, 165, 114568.	3.0	23
157	The Electric Field and Microchannel Type Effects on H ₂ O/Fe ₃ O ₄ Nanofluid Boiling Process: Molecular Dynamics Study. <i>International Journal of Thermophysics</i> , 2020, 41, 1.	1.0	23
158	Heat transfer of hybrid nanofluid in a shell and tube heat exchanger equipped with blade-shape turbulators. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1689-1700.	2.0	23
159	Curve fitting on experimental data of a new hybrid nano-antifreeze viscosity: Presenting new correlations for non-Newtonian nanofluid. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 531, 120837.	1.2	22
160	Predicting thermophysical properties and flow characteristics of nanofluids using intelligent methods: focusing on ANN methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 501-525.	2.0	22
161	A comprehensive electromechanically coupled model for non-uniform piezoelectric energy harvesting composite laminates. <i>Mechanical Systems and Signal Processing</i> , 2020, 145, 106927.	4.4	22
162	Towards a better understanding of biomass suspension co-firing impacts via investigating a coal flame and a biomass flame in a swirl-stabilized burner flow reactor under same conditions. <i>Fuel Processing Technology</i> , 2012, 98, 65-73.	3.7	21

#	ARTICLE	IF	CITATIONS
163	Co-Hydrothermal Liquefaction of Lignocellulosic Biomass in Supercritical Water. <i>Energies</i> , 2021, 14, 1708.	1.6	21
164	Hybrid Solid Oxide Fuel Cell and Thermoelectric Generator for Maximum Power Output in Micro-CHP Systems. <i>Journal of Electronic Materials</i> , 2011, 40, 1111-1114.	1.0	20
165	Characterization of liquid products from hydrothermal liquefaction (HTL) of biomass via solid-phase microextraction (SPME). <i>Biomass and Bioenergy</i> , 2016, 88, 116-125.	2.9	20
166	Fan operating condition effect on performance of self-cooling thermoelectric generator system. <i>Energy</i> , 2021, 224, 120177.	4.5	20
167	An Analytical Model for Performance Optimization of Thermoelectric Generator With Temperature Dependent Materials. <i>IEEE Access</i> , 2018, 6, 60852-60861.	2.6	19
168	Numerical parametric study on the performance of CPV-TEG hybrid system. <i>Energy Procedia</i> , 2019, 158, 453-458.	1.8	19
169	Influence of cerium oxide nanoparticles on thermal conductivity of antifreeze. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 225-236.	2.0	19
170	Detailed Investigation of Compatibility of Hydrothermal Liquefaction Derived Biocrude Oil with Fossil Fuel for Corefining to Drop-in Biofuels through Structural and Compositional Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8111-8123.	3.2	19
171	Experimental investigation of the hydrothermal aspects of water-Fe ₃ O ₄ nanofluid inside a twisted tube. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 801-810.	2.0	19
172	Optimized conversion of waste cooking oil into ecofriendly bio-based polymeric surfactant- A solution for enhanced oil recovery and green fuel compatibility. <i>Journal of Cleaner Production</i> , 2021, 294, 126214.	4.6	19
173	Transient Behavior Study of Thermoelectric Generators through an Electro-thermal Model Using SPICE. , 2006, , .		18
174	Transient behavior of concentrated solar oxide thermoelectric generator. <i>Energy</i> , 2019, 168, 823-832.	4.5	18
175	Investigation of the effects of various parameters on the natural convection of nanofluids in various cavities exposed to magnetic fields: a comprehensive review. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2055-2075.	2.0	18
176	Three-dimensional numerical simulation of external fluid flow and heat transfer of a heat exchanger in a wind tunnel using porous media model. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 1647-1667.	2.0	18
177	Catalytic hydrothermal liquefaction of contaminated construction wood waste for biocrude production and investigation of fate of heavy metals. <i>Fuel Processing Technology</i> , 2021, 212, 106621.	3.7	18
178	Design of flexible thermoelectric generator as human body sensor. <i>Materials Today: Proceedings</i> , 2018, 5, 10338-10346.	0.9	17
179	Printing and Folding: A Solution for High-Throughput Processing of Organic Thin-Film Thermoelectric Devices. <i>Sensors</i> , 2018, 18, 989.	2.1	17
180	Modeling of thermochemically liquefied biomass products and heat of formation for process energy assessment. <i>Applied Energy</i> , 2019, 254, 113654.	5.1	17

#	ARTICLE	IF	CITATIONS
181	Supercritical carbon dioxide fractionation of bio-crude produced by hydrothermal liquefaction of pinewood. <i>Journal of Supercritical Fluids</i> , 2019, 149, 97-109.	1.6	17
182	Continuous co-processing of HTL bio-oil with renewable feed for drop-in biofuels production for sustainable refinery processes. <i>Fuel</i> , 2021, 306, 121579.	3.4	17
183	Process analysis of a biomass-based quad-generation plant for combined power, heat, cooling, and synthetic natural gas production. <i>Energy Conversion and Management</i> , 2015, 106, 1276-1285.	4.4	16
184	Techno-economic analysis of a novel hydrothermal liquefaction implementation with electrofuels for high carbon efficiency. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 660-672.	1.9	16
185	Multi-objective optimization of a photovoltaic thermal-compound sensible rotary heat exchanger system using exergo-economic and enviro-economic approaches. <i>Journal of Environmental Management</i> , 2020, 254, 109767.	3.8	16
186	Hydrothermal liquefaction of wood using a modified multistage shrinking-core model. <i>Fuel</i> , 2020, 280, 118616.	3.4	16
187	Critical parameters in integration of thermoelectric generators and phase change materials by numerical and Taguchi methods. <i>Materials Today Energy</i> , 2020, 16, 100376.	2.5	16
188	Catalytic hydrothermal liquefaction of sewage sludge over alumina-based and attapulgite-based heterogeneous catalysts. <i>Fuel</i> , 2022, 323, 124329.	3.4	16
189	Simulating natural convection and entropy generation of a nanofluid in an inclined enclosure under an angled magnetic field with a circular fin and radiation effect. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 3803-3816.	2.0	14
190	Numerical simulation of transient mixed convection of water-Cu nanofluid in a square cavity with multiple rotating cylinders having harmonic motion. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 4229-4248.	2.0	14
191	Hydrothermal Liquefaction of Biomass. <i>Green Chemistry and Sustainable Technology</i> , 2014, , 189-217.	0.4	13
192	A High Temperature Experimental Characterization Procedure for Oxide-Based Thermoelectric Generator Modules under Transient Conditions. <i>Energies</i> , 2015, 8, 12839-12847.	1.6	13
193	Adiabatic partition effect on natural convection heat transfer inside a square cavity: experimental and numerical studies. <i>Heat and Mass Transfer</i> , 2018, 54, 291-304.	1.2	13
194	Optimization of γ -Alumina porosity via Response Surface Methodology: The influence of engineering support on the performance of a residual oil hydrotreating catalyst. <i>Microporous and Mesoporous Materials</i> , 2020, 299, 110124.	2.2	13
195	The investigation of viscous and structural damping for piezoelectric energy harvesters using only time-domain voltage measurements. <i>Applied Energy</i> , 2021, 285, 116427.	5.1	13
196	Intelligent design of waste heat recovery systems using thermoelectric generators and optimization tools. <i>Meccanica</i> , 2014, 49, 1211-1223.	1.2	12
197	Dynamic Performance of Maximum Power Point Trackers in TEG Systems Under Rapidly Changing Temperature Conditions. <i>Journal of Electronic Materials</i> , 2016, 45, 1309-1315.	1.0	12
198	Experimental Study on Effect of Operating Conditions on Thermoelectric Power Generation. <i>Energy Procedia</i> , 2017, 142, 558-563.	1.8	12

#	ARTICLE	IF	CITATIONS
199	An Experimental Study on Macro Piezoceramic Fiber Composites for Energy Harvesting. Materials Science Forum, 0, 951, 3-8.	0.3	12
200	Thermal Effect of Ceramic Substrate on Heat Distribution in Thermoelectric Generators. Journal of Electronic Materials, 2012, 41, 1343-1347.	1.0	11
201	Coprocessing of pyrolysis oil in refineries. , 2018, , 293-317.		11
202	Numerical Study on Heat Transfer to an Arc Absorber Designed for a Waste Heat Recovery System around a Cement Kiln. Energies, 2018, 11, 671.	1.6	11
203	An experimental study to determine damping of piezoelectric harvesters using transient analysis of unified electromechanical voltage equation. Energy Conversion and Management, 2021, 227, 113567.	4.4	11
204	A power conditioning system for thermoelectric generator based on interleaved Boost converter with MPPT control. , 2011, , .		10
205	Effect of Thermal Cycling on Zinc Antimonide Thin Film Thermoelectric Characteristics. Energy Procedia, 2017, 142, 519-524.	1.8	10
206	Effect of damage and support damping mechanisms on unimorph piezoelectric energy harvester. JVC/Journal of Vibration and Control, 2019, 25, 2409-2422.	1.5	10
207	Unileg Thermoelectric Generator Design for Oxide Thermoelectrics and Generalization of the Unileg Design Using an Idealized Metal. Journal of Electronic Materials, 2015, 44, 1834-1845.	1.0	9
208	Electrical response of thermoelectric generator to geometry variation under transient thermal boundary condition. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	9
209	Thermal radiation effect on the flow field and heat transfer of Co3O4-diamond/EG hybrid nanofluid using experimental data: A numerical study. European Physical Journal Plus, 2019, 134, 1.	1.2	9
210	A new correlation for predicting the thermal conductivity of liquid refrigerants. Journal of Thermal Analysis and Calorimetry, 2021, 143, 795-800.	2.0	9
211	Natural convection heat transfer from a long heated vertical cylinder to an adjacent air gap of concentric and eccentric conditions. Heat and Mass Transfer, 2012, 48, 55-60.	1.2	8
212	View Factor of Solar Chimneys by Monte Carlo Method. Energy Procedia, 2017, 142, 513-518.	1.8	8
213	Influence of process conditions on hydrothermal liquefaction of eucalyptus biomass for biocrude production and investigation of the inorganics distribution. Sustainable Energy and Fuels, 2021, 5, 1477-1487.	2.5	8
214	Experimental Investigation of Zinc Antimonide Thin Film Thermoelectric Element over Wide Range of Operating Conditions. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700301.	0.8	7
215	Reduction of inorganics from macroalgae Laminaria digitata and spent mushroom compost (SMC) by acid leaching and selective hydrothermal liquefaction. Biomass Conversion and Biorefinery, 2018, 8, 369-377.	2.9	7
216	Transient behavior of the thermoelectric generators to the load change; an experimental investigation. Energy Procedia, 2018, 147, 537-543.	1.8	7

#	ARTICLE	IF	CITATIONS
217	Optimum Thermal Concentration of Solar Thermoelectric Generators (STEG) in Realistic Meteorological Condition. <i>Energies</i> , 2018, 11, 2425.	1.6	7
218	Triple-objective optimization of a double-tube heat exchanger with elliptic cross section in the presence TiO ₂ nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 477-488.	2.0	7
219	Understanding and predicting the solubility of bio-crude oils. <i>Fuel</i> , 2020, 271, 117619.	3.4	7
220	Development of net energy ratio and emission factor for quad-generation pathways. <i>Energy Systems</i> , 2014, 5, 719-735.	1.8	6
221	Experimental study of the effect of a slat angle on double-element airfoil and application in vertical axis wind turbine. <i>Ships and Offshore Structures</i> , 2015, 10, 176-182.	0.9	6
222	Techno-economic analysis of a local district heating plant under fuel flexibility and performance. <i>Energy Efficiency</i> , 2017, 10, 613-624.	1.3	6
223	Generation expansion planning by considering wind resource in a competitive environment. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2847-2857.	2.0	6
224	Bio-Crude Production from Protein-Extracted Grass Residue through Hydrothermal Liquefaction. <i>Energies</i> , 2022, 15, 364.	1.6	6
225	An Experimental Study on Transient Response of a Hybrid Thermoelectric-Photovoltaic System with Beam Splitter. <i>Energies</i> , 2021, 14, 8129.	1.6	6
226	Evaluation of High Step-Up Power Electronics Stages in Thermoelectric Generator Systems. <i>Journal of Electronic Materials</i> , 2013, 42, 2157-2164.	1.0	5
227	Simple engineering design for complex thermoelectric generators based on reduced current approach. <i>Energy</i> , 2015, 86, 455-466.	4.5	5
228	Numerical simulation of a novel ocean wave energy converter. <i>Energy Procedia</i> , 2018, 147, 474-481.	1.8	5
229	Parametric study of a wave energy converter (Searaser) for Caspian Sea. <i>Energy Procedia</i> , 2018, 147, 334-342.	1.8	5
230	Analytical Solution of Heat Conduction in a Symmetrical Cylinder Using the Solution Structure Theorem and Superposition Technique. <i>Symmetry</i> , 2019, 11, 1522.	1.1	5
231	Effect of heat loss on performance of thin film thermoelectric; a mathematical model. <i>Materials Research Express</i> , 2019, 6, 096450.	0.8	5
232	Develop dissipative particle dynamics method to study the fluid flow and heat transfer of Ar and O ₂ flows in the micro- and nanochannels with precise atomic arrangement versus molecular dynamics approach. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2575.	2.0	5
233	Three-dimensional simulation of wind tunnel diffuser to study the effects of different divergence angles on speed uniform distribution, pressure in outlet, and eddy flows formation in the corners. <i>Physics of Fluids</i> , 2020, 32, .	1.6	5
234	Demineralization of Miscanthus Biocrude Obtained from Catalytic Hydrothermal Liquefaction: Conditioning through Acid Washing. <i>Processes</i> , 2021, 9, 1035.	1.3	5

#	ARTICLE	IF	CITATIONS
235	Bio-Crude Production through Recycling of Pretreated Aqueous Phase via Activated Carbon. <i>Energies</i> , 2021, 14, 3488.	1.6	5
236	Bio-Crude Production Improvement during Hydrothermal Liquefaction of Biopulp by Simultaneous Application of Alkali Catalysts and Aqueous Phase Recirculation. <i>Energies</i> , 2021, 14, 4492.	1.6	5
237	Hydrothermal Conversion in Near-Critical Water – A Sustainable Way of Producing Renewable Fuels. <i>Biofuels and Biorefineries</i> , 2014, , 373-400.	0.5	5
238	Online Condition Monitoring of Rotating Machines by Self-Powered Piezoelectric Transducer from Real-Time Experimental Investigations. <i>Sensors</i> , 2022, 22, 3395.	2.1	5
239	Hydrotreating of bio-crude obtained from hydrothermal liquefaction of biopulp: effects of aqueous phase recirculation on the hydrotreated oil. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2805-2822.	2.5	5
240	A performance analysis of integrated solid oxide fuel cell and heat recovery steam generator for IGFC system. <i>Frontiers of Energy and Power Engineering in China</i> , 2010, 4, 402-413.	0.4	4
241	Simulation of Flash Dehydroxylation of Clay Particle Using gPROMS: A Move Towards Green Concrete. <i>Energy Procedia</i> , 2014, 61, 556-559.	1.8	4
242	Trajectory integrated smoothing of exchange fields for discrete phase simulations. <i>Computers and Fluids</i> , 2019, 186, 15-23.	1.3	4
243	Kinetic study of the photocatalytic oxidation of ethylene over TiO ₂ thin films. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 628, 012009.	0.3	4
244	The effect of inlet temperature on the irreversibility characteristics of non-Newtonian hybrid nano-fluid flow inside a minichannel counter-current hairpin heat exchanger. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 3789-3801.	2.0	4
245	Zinc antimonide thin film based flexible thermoelectric module. <i>Materials Letters</i> , 2020, 280, 128582.	1.3	4
246	An experimental study on the cooling efficiency of magnetite-water nanofluid in a twisted tube exposed to a rotating magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 146, 1893-1909.	2.0	4
247	Numerical simulation of critical heat flux in forced boiling of a flow in an inclined tube with different angles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2859-2880.	2.0	4
248	Numerical modeling and validation of hydrothermal liquefaction of a lignin particle for biocrude production. <i>Fuel</i> , 2021, 305, 121498.	3.4	4
249	D206 MODELING OF PULVERIZED COAL AND BIOMASS CO-FIRING IN A 150 KW SWIRLING-STABILIZED BURNER AND EXPERIMENTAL VALIDATION(Biomass-5). <i>The Proceedings of the International Conference on Power Engineering (ICOPE)</i> , 2009, 2009.2, _2-305_-_2-310_.	0.0	4
250	Mixed convection of functionalized DWCNT-water nanofluid in baffled lid-driven cavities. <i>Thermal Science</i> , 2018, 22, 2503-2514.	0.5	4
251	Optimal Arrangement of Thermoelectric Modules for Recovering the Waste Heat of Damavand Power Plant using Mutable Smart Bee and Neuro-Fuzzy System. <i>International Journal of Applied Metaheuristic Computing</i> , 2013, 4, 46-62.	0.5	4
252	Natural convection in F-shaped cavity filled with Ag-water non-Newtonian nanofluid saturated with a porous medium and subjected to a horizontal periodic magnetic field. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 887-901.	1.2	4

#	ARTICLE	IF	CITATIONS
253	Energy recovery from high ash-containing sewage sludge: Focusing on performance evaluation of bio-fuel production. <i>Science of the Total Environment</i> , 2022, 843, 157083.	3.9	4
254	Lignocellulosic Biomassâ€™ Thermal Pre-treatment with Steam. <i>Green Energy and Technology</i> , 2013, , 59-75.	0.4	3
255	Expanding the reduced-current approach for thermoelectric generators to achieve higher volumetric power density. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 591-599.	0.8	3
256	Thermal-Hydraulic Performance of a Corrugated Cooling Fin with Louvered Surfaces. <i>Energy Procedia</i> , 2017, 142, 4077-4084.	1.8	3
257	Energy Harvesting from a Thermoelectric Zinc Antimonide Thin Film under Steady and Unsteady Operating Conditions. <i>Materials</i> , 2018, 11, 2365.	1.3	3
258	Characterisation of textile shape and position upstream of a wastewater pump under different part load conditions. <i>Urban Water Journal</i> , 2018, 15, 132-137.	1.0	3
259	Biocrude Production via Non-Catalytic Supercritical Hydrothermal Liquefaction of <i>Fucus vesiculosus</i> Seaweed Processing Residues. <i>Recycling</i> , 2021, 6, 45.	2.3	3
260	Multi-physics Simulation of Thermoelectric Generators Through Numerically Modeling. , 2007, , .		2
261	Investigation of the Influence of Operating Point on the Shape and Position of Textile Material in the Inlet Pipe to a Dry-Installed Wastewater Pump. , 2017, , .		2
262	Effect of magnetic field on the mixed convection in double lidâ€™driven porous cavities filled with micropolar nanofluids. <i>Numerical Methods for Partial Differential Equations</i> , 2022, 38, 1090-1111.	2.0	2
263	Piezoelectric resonator design and analysis from stochastic car vibration using an experimentally validated finite element with viscous-structural damping model. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102228.	1.7	2
264	Biomass resources, fuel preparation and utilization for improving the fuel flexibility of advanced power plants. , 2010, , 312-331.		1
265	Towards Simulation of Clogging Effects in Wastewater Pumps: A Review of the State-of-the-Art in Cloth Modelling and Challenges in the Simulation of Clogging Effects. , 2015, , .		1
266	Systematic investigation of Iranian Vacuum Bottom hydrodenitrogenation to produce clean fuel oil for marine transportation. <i>Energy, Ecology and Environment</i> , 2021, 6, 540.	1.9	1
267	Modeling and Experiments of Biomass Combustion in a Large-scale Grate Boiler. , 2007, , 1173-1179.		1
268	Subcritical Hydrothermal Liquefaction of Barley Straw in Fresh Water and Recycled Aqueous Phase. , 2015, , 121-128.		1
269	Design Optimization of Waste Heat Recovery System around Cement Rotary Kiln. <i>Journal of Energy Engineering - ASCE</i> , 2020, 146, 04020026.	1.0	1
270	Comments on â€™Constructural design of a thermoelectric deviceâ€™, <i>IJHMT</i> 49 (2006) 1420â€™1429. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 973-976.	2.5	0

#	ARTICLE	IF	CITATIONS
271	Optimization of a Local District Heating Plant Under Fuel Flexibility and Performance. , 2011, , .		0
272	Experimental Study of Subcritical Water Liquefaction of Biomass: Effects of Catalyst and Biomass Species. , 2014, , .		0
273	Thermoelectric generator emulator for MPPT testing. , 2015, , .		0
274	Recipe-based co-HTL of biomass and organic waste. , 2018, , 169-189.		0
275	Green and Sustainable Biomass Processing for Fuels and Chemicals. Advances in Science, Technology and Innovation, 2021, , 23-44.	0.2	0
276	CFD Performance Analysis of a Stirred Tank Flowmaker. , 2006, , .		0
277	CFD Performance Analysis of a Flowmaker. , 2006, , .		0
278	Tuning the porosity and physicochemical properties of SBA-15: RSM-assisted optimizing of traditional sol-gel process. Chemical Papers, 0, , 1.	1.0	0