Lasse Rosendahl

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5254886/publications.pdf

Version: 2024-02-01

278	16,414	13099	19749
papers	citations	68 h-index	117 g-index

283	283	283	9002
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bio-Crude Production from Protein-Extracted Grass Residue through Hydrothermal Liquefaction. Energies, 2022, 15, 364.	3.1	6
2	Effect of magnetic field on the mixed convection in double lidâ€driven porous cavities filled with micropolar nanofluids. Numerical Methods for Partial Differential Equations, 2022, 38, 1090-1111.	3.6	2
3	The Role of Catalysts in Biomass Hydrothermal Liquefaction and Biocrude Upgrading. Processes, 2022, 10, 207.	2.8	30
4	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. Korean Journal of Chemical Engineering, 2022, 39, 887-901.	2.7	4
5	Piezoelectric resonator design and analysis from stochastic car vibration using an experimentally validated finite element with viscous-structural damping model. Sustainable Energy Technologies and Assessments, 2022, 52, 102228.	2.7	2
6	Online Condition Monitoring of Rotating Machines by Self-Powered Piezoelectric Transducer from Real-Time Experimental Investigations. Sensors, 2022, 22, 3395.	3.8	5
7	Catalytic hydrothermal liquefaction of sewage sludge over alumina-based and attapulgite-based heterogeneous catalysts. Fuel, 2022, 323, 124329.	6.4	16
8	Hydrotreating of bio-crude obtained from hydrothermal liquefaction of biopulp: effects of aqueous phase recirculation on the hydrotreated oil. Sustainable Energy and Fuels, 2022, 6, 2805-2822.	4.9	5
9	Energy recovery from high ash-containing sewage sludge: Focusing on performance evaluation of bio-fuel production. Science of the Total Environment, 2022, 843, 157083.	8.0	4
10	Buckling analyses of FG porous nanocomposite cylindrical shells with graphene platelet reinforcement subjected to uniform external lateral pressure. Mechanics Based Design of Structures and Machines, 2021, 49, 1059-1079.	4.7	27
11	Develop dissipative particle dynamics method to study the fluid flow and heat transfer of Ar and O2 flows in the micro- and nanochannels with precise atomic arrangement versus molecular dynamics approach. Journal of Thermal Analysis and Calorimetry, 2021, 144, 2575.	3.6	5
12	An experimental study on the cooling efficiency of magnetiteâ€“water nanofluid in a twisted tube exposed to a rotating magnetic field. Journal of Thermal Analysis and Calorimetry, 2021, 146, 1893-1909.	3.6	4
13	Improving the thermal conductivity of paraffin by incorporating MWCNTs nanoparticles. Journal of Thermal Analysis and Calorimetry, 2021, 145, 2809-2816.	3.6	40
14	Numerical simulation of transient mixed convection of waterâ€“Cu nanofluid in a square cavity with multiple rotating cylinders having harmonic motion. Journal of Thermal Analysis and Calorimetry, 2021, 143, 4229-4248.	3.6	14
15	A new correlation for predicting the thermal conductivity of liquid refrigerants. Journal of Thermal Analysis and Calorimetry, 2021, 143, 795-800.	3.6	9
16	Experimental investigation of the hydrothermal aspects of waterâ€“Fe3O4 nanofluid inside a twisted tube. Journal of Thermal Analysis and Calorimetry, 2021, 143, 801-810.	3.6	19
17	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. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1425-1438.	3.6	36
18	Catalytic hydrothermal liquefaction of contaminated construction wood waste for biocrude production and investigation of fate of heavy metals. Fuel Processing Technology, 2021, 212, 106621.	7.2	18

#	Article	IF	Citations
19	Heat transfer of hybrid nanofluid in a shell and tube heat exchanger equipped with blade-shape turbulators. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1689-1700.	3.6	23
20	An experimental study to determine damping of piezoelectric harvesters using transient analysis of unified electromechanical voltage equation. Energy Conversion and Management, 2021, 227, 113567.	9.2	11
21	Bio-crude production through co-hydrothermal processing of swine manure with sewage sludge to enhance pumpability. Fuel, 2021, 288, 119407.	6.4	30
22	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.	4.9	8
23	Green and Sustainable Biomass Processing for Fuels and Chemicals. Advances in Science, Technology and Innovation, 2021, , 23-44.	0.4	0
24	The investigation of viscous and structural damping for piezoelectric energy harvesters using only time-domain voltage measurements. Applied Energy, 2021, 285, 116427.	10.1	13
25	Co-Hydrothermal Liquefaction of Lignocellulosic Biomass in Supercritical Water. Energies, 2021, 14, 1708.	3.1	21
26	Optimized conversion of waste cooking oil into ecofriendly bio-based polymeric surfactant- A solution for enhanced oil recovery and green fuel compatibility. Journal of Cleaner Production, 2021, 294, 126214.	9.3	19
27	Hydrothermal liquefaction of pre-treated municipal solid waste (biopulp) with recirculation of concentrated aqueous phase. Biomass and Bioenergy, 2021, 148, 106032.	5.7	28
28	Demineralization of Miscanthus Biocrude Obtained from Catalytic Hydrothermal Liquefaction: Conditioning through Acid Washing. Processes, 2021, 9, 1035.	2.8	5
29	Systematic investigation of Iranian Vacuum Bottom hydrodenitrogenation to produce clean fuel oil for marine transportation. Energy, Ecology and Environment, 2021, 6, 540.	3.9	1
30	Bio-Crude Production through Recycling of Pretreated Aqueous Phase via Activated Carbon. Energies, 2021, 14, 3488.	3.1	5
31	The Art of Smooth Continuous Hydroprocessing of Biocrudes Obtained from Hydrothermal Liquefaction: Hydrodemetallization and Propensity for Coke Formation. Energy & Fuels, 2021, 35, 10611-10622.	5.1	26
32	Fan operating condition effect on performance of self- cooling thermoelectric generator system. Energy, 2021, 224, 120177.	8.8	20
33	Bio-Crude Production Improvement during Hydrothermal Liquefaction of Biopulp by Simultaneous Application of Alkali Catalysts and Aqueous Phase Recirculation. Energies, 2021, 14, 4492.	3.1	5
34	Biocrude Production via Non-Catalytic Supercritical Hydrothermal Liquefaction of Fucus vesiculosus Seaweed Processing Residues. Recycling, 2021, 6, 45.	5.0	3
35	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. Journal of Water Process Engineering, 2021, 43, 102224.	5.6	28
36	Numerical modeling and validation of hydrothermal liquefaction of a lignin particle for biocrude production. Fuel, 2021, 305, 121498.	6.4	4

#	Article	IF	Citations
37	Continuous co-processing of HTL bio-oil with renewable feed for drop-in biofuels production for sustainable refinery processes. Fuel, 2021, 306, 121579.	6.4	17
38	An Experimental Study on Transient Response of a Hybrid Thermoelectricâ€“Photovoltaic System with Beam Splitter. Energies, 2021, 14, 8129.	3.1	6
39	Influence of cerium oxide nanoparticles on thermal conductivity of antifreeze. Journal of Thermal Analysis and Calorimetry, 2020, 139, 225-236.	3.6	19
40	Effect of a porous medium on flow and mixed convection heat transfer of nanofluids with variable properties in a trapezoidal enclosure. Journal of Thermal Analysis and Calorimetry, 2020, 139, 741-754.	3.6	28
41	Triple-objective optimization of a double-tube heat exchanger with elliptic cross section in the presence TiO2 nanofluid. Journal of Thermal Analysis and Calorimetry, 2020, 140, 477-488.	3.6	7
42	Predicting thermophysical properties and flow characteristics of nanofluids using intelligent methods: focusing on ANN methods. Journal of Thermal Analysis and Calorimetry, 2020, 140, 501-525.	3.6	22
43	Effects of temperature and volume concentration on thermal conductivity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mi mathvariant="italic">Ti</mml:mi><mml:msub><mml:mrow><mml:mi>O</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> (70-30)/EG-water hybrid nano-fluid. Powder Technology, 2020, 362, 578-585.	4.2	46
44	Heat transfer enhancement in a counter-flow sinusoidal parallel-plate heat exchanger partially filled with porous media using metal foam in the channelsâ€™ divergent sections. Journal of Thermal Analysis and Calorimetry, 2020, 141, 1669-1685.	3.6	50
45	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. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3803-3816.	3.6	14
46	The effect of inlet temperature on the irreversibility characteristics of non-Newtonian hybrid nano-fluid flow inside a minichannel counter-current hairpin heat exchanger. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3789-3801.	3.6	4
47	Multi-objective optimization of a photovoltaic thermal-compound sensible rotary heat exchanger system using exergo-economic and enviro-economic approaches. Journal of Environmental Management, 2020, 254, 109767.	7.8	16
48	A review on fuel cell types and the application of nanofluid in their cooling. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1633-1654.	3.6	47
49	Investigation of the effects of various parameters on the natural convection of nanofluids in various cavities exposed to magnetic fields: a comprehensive review. Journal of Thermal Analysis and Calorimetry, 2020, 140, 2055-2075.	3.6	18
50	Utilizing thermoelectric generator as cavity temperature controller for temperature management in dish-Stirling engine. Applied Thermal Engineering, 2020, 165, 114568.	6.0	23
51	Reducing AHU energy consumption by a new layout of using heat recovery units. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2811-2820.	3.6	41
52	Generation expansion planning by considering wind resource in a competitive environment. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2847-2857.	3.6	6
53	Hybrid energy harvesting system to maximize power generation from solar energy. Energy Conversion and Management, 2020, 205, 112352.	9.2	71
54	On evaluation of thermophysical properties of transformer oil-based nanofluids: A comprehensive modeling and experimental study. Journal of Molecular Liquids, 2020, 300, 112249.	4.9	61

#	Article	IF	Citations
55	Incorporating novel heat recovery units into an AHU for energy demand reduction-exergy analysis. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2821-2830.	3.6	66
56	Hydrothermal liquefaction of wood using a modified multistage shrinking-core model. Fuel, 2020, 280, 118616.	6.4	16
57	The Electric Field and Microchannel Type Effects on H2O/Fe3O4 Nanofluid Boiling Process: Molecular Dynamics Study. International Journal of Thermophysics, 2020, 41, 1.	2.1	23
58	Zinc antimonide thin film based flexible thermoelectric module. Materials Letters, 2020, 280, 128582.	2.6	4
59	Three-dimensional numerical simulation of external fluid flow and heat transfer of a heat exchanger in a wind tunnel using porous media model. Journal of Thermal Analysis and Calorimetry, 2020, 141, 1647-1667.	3.6	18
60	A comprehensive electromechanically coupled model for non-uniform piezoelectric energy harvesting composite laminates. Mechanical Systems and Signal Processing, 2020, 145, 106927.	8.0	22
61	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. Physics of Fluids, 2020, 32, .	4.0	5
62	Hydrothermal liquefaction of high ash containing sewage sludge at sub and supercritical conditions. Biomass and Bioenergy, 2020, 135, 105504.	5.7	69
63	A broadband macro-fiber-composite piezoelectric energy harvester for higher energy conversion from practical wideband vibrations. Nano Energy, 2020, 76, 104978.	16.0	42
64	Sonication time efficacy on Fe3O4-liquid paraffin magnetic nanofluid thermal conductivity: An experimental evaluation. Ultrasonics Sonochemistry, 2020, 64, 105004.	8.2	27
65	Biocrude Production from Wheat Straw at Sub and Supercritical Hydrothermal Liquefaction. Energies, 2020, 13, 3114.	3.1	32
66	Two-stage catalytic hydrotreatment of highly nitrogenous biocrude from continuous hydrothermal liquefaction: A rational design of the stabilization stage. Biomass and Bioenergy, 2020, 139, 105658.	5.7	48
67	First approach on nanofluid-based solar still in high altitude for water desalination and solar water disinfection (SODIS). Desalination, 2020, 491, 114592.	8.2	126
68	Analysis and manegement 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.	4.7	42
69	Bio-Crude Production through Aqueous Phase Recycling of Hydrothermal Liquefaction of Sewage Sludge. Energies, 2020, 13, 493.	3.1	52
70	Optimization of Î³-Alumina porosity via Response Surface Methodology: The influence of engineering support on the performance of a residual oil hydrotreating catalyst. Microporous and Mesoporous Materials, 2020, 299, 110124.	4.4	13
71	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.	3.6	40
72	Numerical simulation of critical heat flux in forced boiling of a flow in an inclined tube with different angles. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2859-2880.	3.6	4

#	Article	IF	Citations
73	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.	4.7	43
74	Critical parameters in integration of thermoelectric generators and phase change materials by numerical and Taguchi methods. Materials Today Energy, 2020, 16, 100376.	4.7	16
75	Detailed Investigation of Compatibility of Hydrothermal Liquefaction Derived Biocrude Oil with Fossil Fuel for Corefining to Drop-in Biofuels through Structural and Compositional Analysis. ACS Sustainable Chemistry and Engineering, 2020, 8, 8111-8123.	6.7	19
76	Understanding and predicting the solubility of bio-crude oils. Fuel, 2020, 271, 117619.	6.4	7
77	Valorization of animal and human wastes through hydrothermal liquefaction for biocrude production and simultaneous recovery of nutrients. Energy Conversion and Management, 2020, 216, 112925.	9.2	75
78	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.	2.6	45
79	Design Optimization of Waste Heat Recovery System around Cement Rotary Kiln. Journal of Energy Engineering - ASCE, 2020, 146, 04020026.	1.9	1
80	Experimental evaluation of dynamic viscosity of ZnOâ€“MWCNTs/engine oil hybrid nanolubricant based on changes in temperature and concentration. Journal of Thermal Analysis and Calorimetry, 2019, 136, 513-525.	3.6	143
81	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.	2.6	134
82	Effect of sonication characteristics on stability, thermophysical properties, and heat transfer of nanofluids: A comprehensive review. Ultrasonics Sonochemistry, 2019, 58, 104701.	8.2	188
83	Effect of magnetic field on mixed convection and entropy generation of hybrid nanofluid in an inclined enclosure: Sensitivity analysis and optimization. European Physical Journal Plus, 2019, 134, 1.	2.6	91
84	Numerical parametric study on the performance of CPV-TEG hybrid system. Energy Procedia, 2019, 158, 453-458.	1.8	19
85	Modeling of thermochemically liquefied biomass products and heat of formation for process energy assessment. Applied Energy, 2019, 254, 113654.	10.1	17
86	Assessment of thermal conductivity enhancement of nano-antifreeze containing single-walled carbon nanotubes: Optimal artificial neural network and curve-fitting. Physica A: Statistical Mechanics and Its Applications, 2019, 521, 138-145.	2.6	113
87	Study on material properties effect for maximization of thermoelectric power generation. Renewable Energy, 2019, 138, 236-242.	8.9	27
88	Trajectory integrated smoothening of exchange fields for discrete phase simulations. Computers and Fluids, 2019, 186, 15-23.	2.5	4
89	Effect of damage and support damping mechanisms on unimorph piezoelectric energy harvester. JVC/Journal of Vibration and Control, 2019, 25, 2409-2422.	2.6	10
90	Power optimization and economic evaluation of thermoelectric waste heat recovery system around a rotary cement kiln. Journal of Cleaner Production, 2019, 232, 1321-1334.	9.3	57

#	Article	IF	Citations
91	An updated review on the nanofluids characteristics. Journal of Thermal Analysis and Calorimetry, 2019, 138, 4091-4101.	3.6	26
92	A novel method for autonomous remote condition monitoring of rotating machines using piezoelectric energy harvesting approach. Sensors and Actuators A: Physical, 2019, 295, 37-50.	4.1	53
93	On the role of enclosure side walls thickness and heater geometry in heat transfer enhancement of waterâ€“Al2O3 nanofluid in presence of a magnetic field. Journal of Thermal Analysis and Calorimetry, 2019, 138, 679-696.	3.6	33
94	Catalytic upgrading of hydrothermal liquefaction biocrudes: Different challenges for different feedstocks. Renewable Energy, 2019, 141, 420-430.	8.9	123
95	Curve fitting on experimental data of a new hybrid nano-antifreeze viscosity: Presenting new correlations for non-Newtonian nanofluid. Physica A: Statistical Mechanics and Its Applications, 2019, 531, 120837.	2.6	22
96	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.	2.6	40
97	Impact of oscillating magnetic field on the thermal-conductivity of water-Fe3O4 and water-Fe3O4/CNT ferro-fluids: Experimental study. Journal of Magnetism and Magnetic Materials, 2019, 484, 258-265.	2.3	56
98	The effects of tape insert material on the flow and heat transfer in a nanofluid-based double tube heat exchanger: Two-phase mixture model. International Journal of Mechanical Sciences, 2019, 156, 397-409.	6.7	87
99	Supercritical carbon dioxide fractionation of bio-crude produced by hydrothermal liquefaction of pinewood. Journal of Supercritical Fluids, 2019, 149, 97-109.	3.2	17
100	Investigation of a computer CPU heat sink under laminar forced convection using a structural stability method. International Journal of Heat and Mass Transfer, 2019, 134, 1218-1226.	4.8	66
101	Technoâ€economic analysis of a novel hydrothermal liquefaction implementation with electrofuels for high carbon efficiency. Biofuels, Bioproducts and Biorefining, 2019, 13, 660-672.	3.7	16
102	Experimental and numerical study on the transient behavior of multi-junction solar cell-thermoelectric generator hybrid system. Energy Conversion and Management, 2019, 184, 448-455.	9.2	76
103	Effect of magnetic field on laminar forced convective heat transfer of MWCNTâ€“Fe3O4/water hybrid nanofluid in a heated tube. Journal of Thermal Analysis and Calorimetry, 2019, 137, 1809-1825.	3.6	50
104	Kinetic study of the photocatalytic oxidation of ethylene over TiO2 thin films. IOP Conference Series: Materials Science and Engineering, 2019, 628, 012009.	0.6	4
105	Modeling of Subcooled Flow Boiling with Nanoparticles under the Influence of a Magnetic Field. Symmetry, 2019, 11, 1275.	2.2	26
106	Analytical Solution of Heat Conduction in a Symmetrical Cylinder Using the Solution Structure Theorem and Superposition Technique. Symmetry, 2019, 11, 1522.	2.2	5
107	Evaluating the effect of temperature and concentration on the thermal conductivity of ZnO-TiO2/EG hybrid nanofluid using artificial neural network and curve fitting on experimental data. Physica A: Statistical Mechanics and Its Applications, 2019, 519, 209-216.	2.6	143
108	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.	3.6	128

#	Article	IF	Citations
109	Effect of heat loss on performance of thin film thermoelectric; a mathematical model. Materials Research Express, 2019, 6, 096450.	1.6	5
110	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.	2.6	9
111	Viscosity and rheological properties of antifreeze based nanofluid containing hybrid nano-powders of MWCNTs and TiO2 under different temperature conditions. Powder Technology, 2019, 342, 808-816.	4.2	101
112	Harvesting waste heat from cement kiln shell by thermoelectric system. Energy, 2019, 168, 358-369.	8.8	40
113	Transient behavior of concentrated solar oxide thermoelectric generator. Energy, 2019, 168, 823-832.	8.8	18
114	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.	9.3	164
115	Optimizing the conditions for hydrothermal liquefaction of barley straw for bio-crude oil production using response surface methodology. Science of the Total Environment, 2018, 630, 560-569.	8.0	58
116	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.	2.1	41
117	Behavior of hybrid concentrated photovoltaic-thermoelectric generator under variable solar radiation. Energy Conversion and Management, 2018, 164, 443-452.	9.2	97
118	Prediction of rheological behavior of MWCNTsâ€“SiO2/EGâ€“water non-Newtonian hybrid nanofluid by designing new correlations and optimal artificial neural networks. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1029-1038.	3.6	35
119	Heat transfer efficiency of Al2O3-MWCNT/thermal oil hybrid nanofluid as a cooling fluid in thermal and energy management applications: An experimental and theoretical investigation. International Journal of Heat and Mass Transfer, 2018, 117, 474-486.	4.8	263
120	Prediction of rheological behavior of SiO2-MWCNTs/10W40 hybrid nanolubricant by designing neural network. Journal of Thermal Analysis and Calorimetry, 2018, 131, 2741-2748.	3.6	91
121	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. Applied Thermal Engineering, 2018, 129, 577-586.	6.0	120
122	Experimental study on rheological behavior of waterâ€“ethylene glycol mixture in the presence of functionalized multi-walled carbon nanotubes. Journal of Thermal Analysis and Calorimetry, 2018, 131, 1177-1185.	3.6	59
123	Renewable hydrocarbon fuels from hydrothermal liquefaction: A technoâ€economic analysis. Biofuels, Bioproducts and Biorefining, 2018, 12, 213-223.	3.7	54
124	Characteristics and parametric analysis of a novel flexible ink-based thermoelectric generator for human body sensor. Energy Conversion and Management, 2018, 156, 655-665.	9.2	55
125	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.	4.6	7
126	Adiabatic partition effect on natural convection heat transfer inside a square cavity: experimental and numerical studies. Heat and Mass Transfer, 2018, 54, 291-304.	2.1	13

#	Article	IF	Citations
127	Catalytic Hydrotreatment of Microalgae Biocrude from Continuous Hydrothermal Liquefaction: Heteroatom Removal and Their Distribution in Distillation Cuts. Energies, 2018, 11, 3360.	3.1	45
128	Numerical simulation of a novel ocean wave energy converter. Energy Procedia, 2018, 147, 474-481.	1.8	5
129	Transient behavior of the thermoelectric generators to the load change; an experimental investigation. Energy Procedia, 2018, 147, 537-543.	1.8	7
130	Parametric study of a wave energy converter (Searaser) for Caspian Sea. Energy Procedia, 2018, 147, 334-342.	1.8	5
131	Design of flexible thermoelectric generator as human body sensor. Materials Today: Proceedings, 2018, 5, 10338-10346.	1.8	17
132	Energy Harvesting from a Thermoelectric Zinc Antimonide Thin Film under Steady and Unsteady Operating Conditions. Materials, 2018, 11, 2365.	2.9	3
133	Continuous Hydrothermal Liquefaction of Biomass: A Critical Review. Energies, 2018, 11, 3165.	3.1	195
134	Electrical response of thermoelectric generator to geometry variation under transient thermal boundary condition. Journal of Renewable and Sustainable Energy, 2018, 10, .	2.0	9
135	Effect of horizontal and vertical elliptic baffles inside an enclosure on the mixed convection of a MWCNTs-water nanofluid and its entropy generation. European Physical Journal Plus, 2018, 133, 1.	2.6	50
136	Optimum Thermal Concentration of Solar Thermoelectric Generators (STEG) in Realistic Meteorological Condition. Energies, 2018, 11, 2425.	3.1	7
137	An Analytical Model for Performance Optimization of Thermoelectric Generator With Temperature Dependent Materials. IEEE Access, 2018, 6, 60852-60861.	4.2	19
138	Biocrude production and nutrients recovery through hydrothermal liquefaction of wastewater irrigated willow. Biomass and Bioenergy, 2018, 118, 24-31.	5.7	31
139	Protection and thermal management of thermoelectric generator system using phase change materials: An experimental investigation. Energy, 2018, 156, 311-318.	8.8	66
140	Modeling and prediction of rheological behavior of Al<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e340" altimg="si1.gif"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e348" altimg="si2.gif"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math> hybrid nanofluids using artificial neural network for investigating viscosity	2.6	101
141	Using artificial neural network for investigating of combined effects of multi-walled carbon nanotubes and alumina nanoparticles on the viscosity of 10W-40 engine oil. Physica A: Statistical Mechanics and Its Applications, 2018, 510, 610-624.	2.6	61
142	Experimental and numerical investigation of hybrid concentrated photovoltaic â€“ Thermoelectric module under low solar concentration. Energy, 2018, 159, 1123-1131.	8.8	60
143	Recipe-based co-HTL of biomass and organic waste. , 2018, , 169-189.		0
144	Coprocessing of pyrolysis oil in refineries. , 2018, , 293-317.		11

#	Article	IF	Citations
145	Evaluating the effects of different parameters on rheological behavior of nanofluids: A comprehensive review. Powder Technology, 2018, 338, 342-353.	4.2	58
146	Printing and Folding: A Solution for High-Throughput Processing of Organic Thin-Film Thermoelectric Devices. Sensors, 2018, 18, 989.	3.8	17
147	Numerical Study on Heat Transfer to an Arc Absorber Designed for a Waste Heat Recovery System around a Cement Kiln. Energies, 2018, 11, 671.	3.1	11
148	Characterisation of textile shape and position upstream of a wastewater pump under different part load conditions. Urban Water Journal, 2018, 15, 132-137.	2.1	3
149	Mixed convection of functionalized DWCNT-water nanofluid in baffled lid-driven cavities. Thermal Science, 2018, 22, 2503-2514.	1.1	4
150	Effect of biomass pretreatment on the product distribution and composition resulting from the hydrothermal liquefaction of short rotation coppice willow. Bioresource Technology, 2017, 231, 116-123.	9.6	25
151	Biocrude production via supercritical hydrothermal co-liquefaction of spent mushroom compost and aspen wood sawdust. Renewable Energy, 2017, 111, 392-398.	8.9	47
152	Application of Algae as Cosubstrate To Enhance the Processability of Willow Wood for Continuous Hydrothermal Liquefaction. Industrial & Engineering Chemistry Research, 2017, 56, 4562-4571.	3.7	33
153	Two-stage alkaline hydrothermal liquefaction of wood to biocrude in a continuous bench-scale system. Biomass Conversion and Biorefinery, 2017, 7, 425-435.	4.6	43
154	Impact of nitrogenous alkaline agent on continuous HTL of lignocellulosic biomass and biocrude upgrading. Fuel Processing Technology, 2017, 159, 376-385.	7.2	31
155	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.	1.8	7
156	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
157	Rheological characteristics of MgO/oil nanolubricants: Experimental study and neural network modeling. International Communications in Heat and Mass Transfer, 2017, 86, 245-252.	5.6	89
158	Full characterization of compounds obtained from fractional distillation and upgrading of a HTL biocrude. Applied Energy, 2017, 202, 408-419.	10.1	70
159	Predicting the effects of magnesium oxide nanoparticles and temperature on the thermal conductivity of water using artificial neural network and experimental data. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 87, 242-247.	2.7	100
160	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.	2.7	37
161	Evaluation of thermal conductivity of MgO-MWCNTs/EG hybrid nanofluids based on experimental data by selecting optimal artificial neural networks. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 85, 90-96.	2.7	210
162	Feasibility and parametric evaluation of hybrid concentrated photovoltaic-thermoelectric system. Applied Energy, 2017, 187, 380-389.	10.1	140

#	Article	IF	Citations
163	Techno-economic analysis of a local district heating plant under fuel flexibility and performance. Energy Efficiency, 2017, 10, 613-624.	2.8	6
164	Experimental study on thermal conductivity of ethylene glycol containing hybrid nano-additives and development of a new correlation. Applied Thermal Engineering, 2017, 110, 1111-1119.	6.0	290
165	Effect of Thermal Cycling on Zinc Antimonide Thin Film Thermoelectric Characteristics. Energy Procedia, 2017, 142, 519-524.	1.8	10
166	View Factor of Solar Chimneys by Monte Carlo Method. Energy Procedia, 2017, 142, 513-518.	1.8	8
167	Transient Model of Hybrid Concentrated Photovoltaic with Thermoelectric Generator. Energy Procedia, 2017, 142, 564-569.	1.8	23
168	Thermal-Hydraulic Performance of a Corrugated Cooling Fin with Louvered Surfaces. Energy Procedia, 2017, 142, 4077-4084.	1.8	3
169	Experimental Study on Effect of Operating Conditions on Thermoelectric Power Generation. Energy Procedia, 2017, 142, 558-563.	1.8	12
170	Experimental Investigation on a Thermal Model for a Basin Solar Still with an External Reflector. Energies, 2017, 10, 18.	3.1	48
171	Coupled thermal model of photovoltaic-thermoelectric hybrid panel for sample cities in Europe. Renewable Energy, 2016, 99, 127-135.	8.9	62
172	A survey on experimental and numerical studies of convection heat transfer of nanofluids inside closed conduits. Advances in Mechanical Engineering, 2016, 8, 168781401667356.	1.6	101
173	Dynamic Performance of Maximum Power Point Trackers in TEG Systems Under Rapidly Changing Temperature Conditions. Journal of Electronic Materials, 2016, 45, 1309-1315.	2.2	12
174	Thermal conductivity enhancement of COOH-functionalized MWCNTs/ethylene glycolâ€“water nanofluid for application in heating and cooling systems. Applied Thermal Engineering, 2016, 105, 716-723.	6.0	176
175	An experimental study on rheological behavior of non-Newtonian hybrid nano-coolant for application in cooling and heating systems. Experimental Thermal and Fluid Science, 2016, 76, 221-227.	2.7	187
176	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.	2.3	172
177	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.	5.6	163
178	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.	5.6	135
179	Effects of temperature and solid volume fraction on viscosity of SiO2-MWCNTs/SAE40 hybrid nanofluid as a coolant and lubricant in heat engines. Applied Thermal Engineering, 2016, 102, 45-54.	6.0	269
180	Effects of temperature and nanoparticles concentration on rheological behavior of Fe 3 O 4 â€“Ag/EG hybrid nanofluid: An experimental study. Experimental Thermal and Fluid Science, 2016, 77, 38-44.	2.7	309

#	Article	IF	Citations
181	Measurement of thermal conductivity of ZnOâ€“TiO2/EG hybrid nanofluid. Journal of Thermal Analysis and Calorimetry, 2016, 125, 527-535.	3.6	312
182	Experimental study on thermal conductivity of water-based Fe3O4 nanofluid: Development of a new correlation and modeled by artificial neural network. International Communications in Heat and Mass Transfer, 2016, 75, 262-269.	5.6	241
183	Effects of temperature and concentration on rheological behavior of MWCNTs/SiO 2 (20â€“80)-SAE40 hybrid nano-lubricant. International Communications in Heat and Mass Transfer, 2016, 76, 133-138.	5.6	203
184	Effect of suspending hybrid nano-additives on rheological behavior of engine oil and pumping power. Applied Thermal Engineering, 2016, 109, 524-534.	6.0	176
185	Characterization of liquid products from hydrothermal liquefaction (HTL) of biomass via solid-phase microextraction (SPME). Biomass and Bioenergy, 2016, 88, 116-125.	5.7	20
186	An experimental study on thermal conductivity of F-MWCNTsâ€“Fe 3 O 4 /EG hybrid nanofluid: Effects of temperature and concentration. International Communications in Heat and Mass Transfer, 2016, 76, 171-177.	5.6	300
187	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.	5.6	149
188	Continuous hydrothermal co-liquefaction of aspen wood and glycerol with water phase recirculation. Applied Energy, 2016, 162, 1034-1041.	10.1	164
189	Co-processing potential of HTL bio-crude at petroleum refineries â€“ Part 1: Fractional distillation and characterization. Fuel, 2016, 165, 526-535.	6.4	69
190	Study on thermal conductivity of water-based nanofluids with hybrid suspensions of CNTs/Al2O3 nanoparticles. Journal of Thermal Analysis and Calorimetry, 2016, 124, 455-460.	3.6	153
191	Co-processing potential of HTL bio-crude at petroleum refineries. Part 2: A parametric hydrotreating study. Fuel, 2016, 165, 536-543.	6.4	63
192	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. Applied Energy, 2016, 162, 1218-1224.	10.1	36
193	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
194	Process analysis of a biomass-based quad-generation plant for combined power, heat, cooling, and synthetic natural gas production. Energy Conversion and Management, 2015, 106, 1276-1285.	9.2	16
195	Expanding the reduced-current approach for thermoelectric generators to achieve higher volumetric power density. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 591-599.	1.8	3
196	A High Temperature Experimental Characterization Procedure for Oxide-Based Thermoelectric Generator Modules under Transient Conditions. Energies, 2015, 8, 12839-12847.	3.1	13
197	Thermoelectric generator emulator for MPPT testing. , 2015, , .		0
198	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.	2.2	9

#	Article	IF	Citations
199	Influence of alkali catalyst on product yield and properties via hydrothermal liquefaction of barley straw. Energy, 2015, 80, 284-292.	8.8	160
200	Magneto-natural convection in square cavities with a source-sink pair on different walls. International Journal of Applied Electromagnetics and Mechanics, 2015, 47, 21-32.	0.6	86
201	An experimental study on thermal conductivity of MgO nanoparticles suspended in a binary mixture of water and ethylene glycol. International Communications in Heat and Mass Transfer, 2015, 67, 173-175.	5.6	121
202	A comparison of micro-structured flat-plate and cross-cut heat sinks for thermoelectric generation application. Energy Conversion and Management, 2015, 101, 730-737.	9.2	42
203	Applications of feedforward multilayer perceptron artificial neural networks and empirical correlation for prediction of thermal conductivity of Mg(OH) 2 â€“EG using experimental data. International Communications in Heat and Mass Transfer, 2015, 67, 46-50.	5.6	120
204	Simple engineering design for complex thermoelectric generators based on reduced current approach. Energy, 2015, 86, 455-466.	8.8	5
205	Experimental investigation and development of new correlations for thermal conductivity of CuO/EGâ€“water nanofluid. International Communications in Heat and Mass Transfer, 2015, 65, 47-51.	5.6	111
206	Evaluation of thermal conductivity of COOH-functionalized MWCNTs/water via temperature and solid volume fraction by using experimental data and ANN methods. Journal of Thermal Analysis and Calorimetry, 2015, 121, 1273-1278.	3.6	124
207	Production of fuel range oxygenates by supercritical hydrothermal liquefaction of lignocellulosic model systems. Biomass and Bioenergy, 2015, 83, 206-215.	5.7	79
208	Synergetic hydrothermal co-liquefaction of crude glycerol and aspen wood. Energy Conversion and Management, 2015, 106, 886-891.	9.2	47
209	Effect of Magnetic Field on Free Convection in Inclined Cylindrical Annulus Containing Molten Potassium. International Journal of Applied Mechanics, 2015, 07, 1550052.	2.2	90
210	Pretreatment methods to obtain pumpable high solid loading woodâ€“water slurries for continuous hydrothermal liquefaction systems. Biomass and Bioenergy, 2015, 81, 437-443.	5.7	29
211	Experimental and modeling study of flash calcination of kaolinite rich clay particles in a gas suspension calciner. Applied Clay Science, 2015, 103, 10-19.	5.2	40
212	Experimental study of the effect of a slat angle on double-element airfoil and application in vertical axis wind turbine. Ships and Offshore Structures, 2015, 10, 176-182.	1.9	6
213	Hydrothermal liquefaction of barley straw to bio-crude oil: Effects of reaction temperature and aqueous phase recirculation. Applied Energy, 2015, 137, 183-192.	10.1	298
214	Subcritical Hydrothermal Liquefaction of Barley Straw in Fresh Water and Recycled Aqueous Phase. , 2015, , 121-128.		1
215	Experimental Study of Subcritical Water Liquefaction of Biomass: Effects of Catalyst and Biomass Species. , 2014, , .		0
216	Simulation of Flash Dehydroxylation of Clay Particle Using gPROMS: A Move Towards Green Concrete. Energy Procedia, 2014, 61, 556-559.	1.8	4

#	Article	IF	Citations
217	Analysis of product distribution and characteristics in hydrothermal liquefaction of barley straw in subcritical and supercritical water. Environmental Progress and Sustainable Energy, 2014, 33, 737-743.	2.3	52
218	Hydrothermal Liquefaction of Biomass. Green Chemistry and Sustainable Technology, 2014, , 189-217.	0.7	13
219	Optimization of a thermoelectric generator subsystem for high temperature PEM fuel cell exhaust heat recovery. International Journal of Hydrogen Energy, 2014, 39, 6637-6645.	7.1	36
220	Parametric optimization of thermoelectric elements footprint for maximum power generation. Journal of Power Sources, 2014, 255, 151-156.	7.8	73
221	Development of net energy ratio and emission factor for quad-generation pathways. Energy Systems, 2014, 5, 719-735.	3.0	6
222	Intelligent design of waste heat recovery systems using thermoelectric generators and optimization tools. Meccanica, 2014, 49, 1211-1223.	2.0	12
223	Calcination of kaolinite clay particles for cement production: A modeling study. Cement and Concrete Research, 2014, 61-62, 11-19.	11.0	33
224	Hydrothermal Conversion in Near-Critical Water â€“ A Sustainable Way of Producing Renewable Fuels. Biofuels and Biorefineries, 2014, , 373-400.	0.5	5
225	Co-optimized design of microchannel heat exchangers and thermoelectric generators. International Journal of Thermal Sciences, 2013, 72, 73-81.	4.9	48
226	Hydrothermal liquefaction of Spirulina and Nannochloropsis salina under subcritical and supercritical water conditions. Bioresource Technology, 2013, 131, 413-419.	9.6	200
227	Conceptual design of an integrated hydrothermal liquefaction and biogas plant for sustainable bioenergy production. Bioresource Technology, 2013, 129, 402-410.	9.6	52
228	Evaluation of High Step-Up Power Electronics Stages in Thermoelectric Generator Systems. Journal of Electronic Materials, 2013, 42, 2157-2164.	2.2	5
229	Integration of Thermoelectric Generators and Wood Stove to Produce Heat, Hot Water, and Electrical Power. Journal of Electronic Materials, 2013, 42, 2127-2133.	2.2	33
230	Lignocellulosic Biomassâ€"Thermal Pre-treatment with Steam. Green Energy and Technology, 2013, , 59-75.	0.6	3
231	Optimal Arrangement of Thermoelectric Modules for Recovering the Waste Heat of Damavand Power Plant using Mutable Smart Bee and Neuro-Fuzzy System. International Journal of Applied Metaheuristic Computing, 2013, 4, 46-62.	0.7	4
232	Experimental investigation of thermoelectric power generation versus coolant pumping power in a microchannel heat sink. International Communications in Heat and Mass Transfer, 2012, 39, 1054-1058.	5.6	57
233	New Configurations of Micro Plate-Fin Heat Sink to Reduce Coolant Pumping Power. Journal of Electronic Materials, 2012, 41, 1298-1304.	2.2	32
234	Thermal Effect of Ceramic Substrate on Heat Distribution in Thermoelectric Generators. Journal of Electronic Materials, 2012, 41, 1343-1347.	2.2	11

#	Article	IF	Citations
235	Waste Heat Recovery from a Marine Waste Incinerator Using a Thermoelectric Generator. Journal of Electronic Materials, 2012, 41, 1024-1029.	2.2	77
236	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. Fuel Processing Technology, 2012, 98, 65-73.	7.2	21
237	Thermal effect of a thermoelectric generator on parallel microchannel heat sink. Energy, 2012, 37, 220-227.	8.8	46
238	Characterizing and modeling of an 88ÂMW grate-fired boiler burning wheat straw: Experience and lessons. Energy, 2012, 41, 473-482.	8.8	46
239	Continuous production of bio-oil by catalytic liquefaction from wet distillerâ€™s grain with solubles (WDGS) from bio-ethanol production. Biomass and Bioenergy, 2012, 36, 327-332.	5.7	46
240	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.	2.1	8
241	A power conditioning system for thermoelectric generator based on interleaved Boost converter with MPPT control. , 2011, , .		10
242	Optimization of a Local District Heating Plant Under Fuel Flexibility and Performance. , 2011, , .		0
243	Experimental Study of a Thermoelectric Generation System. Journal of Electronic Materials, 2011, 40, 744-752.	2.2	29
244	Hybrid Solid Oxide Fuel Cell and Thermoelectric Generator for Maximum Power Output in Micro-CHP Systems. Journal of Electronic Materials, 2011, 40, 1111-1114.	2.2	20
245	Evaluating Thermoelectric Power Generation Device Performance Using a Rectangular Microchannel Heat Sink. Journal of Electronic Materials, 2011, 40, 481-488.	2.2	27
246	Characteristics of batch rotorâ€“stator mixer performance elucidated by shaft torque and angle resolved PIV measurements. Canadian Journal of Chemical Engineering, 2011, 89, 1076-1095.	1.7	40
247	Hydrothermal liquefaction of biomass: A review of subcritical water technologies. Energy, 2011, 36, 2328-2342.	8.8	1,409
248	Chemistry and radiation in oxy-fuel combustion: A computational fluid dynamics modeling study. Fuel, 2011, 90, 2519-2529.	6.4	106
249	A three-dimensional numerical model of thermoelectric generators in fluid power systems. International Journal of Heat and Mass Transfer, 2011, 54, 345-355.	4.8	171
250	System Modeling and Validation of a Thermoelectric Fluidic Power Source: Proton Exchange Membrane Fuel Cell and Thermoelectric Generator (PEMFC-TEG). Journal of Electronic Materials, 2010, 39, 1593-1600.	2.2	47
251	A performance analysis of integrated solid oxide fuel cell and heat recovery steam generator for IGFC system. Frontiers of Energy and Power Engineering in China, 2010, 4, 402-413.	0.4	4
252	On the motion of non-spherical particles at high Reynolds number. Powder Technology, 2010, 202, 1-13.	4.2	130

#	Article	IF	Citations
253	Pulverized straw combustion in a low-NOx multifuel burner: Modeling the transition from coal to straw. Fuel, 2010, 89, 3051-3062.	6.4	55
254	Energy efficiency analysis and impact evaluation of the application of thermoelectric power cycle to todayâ€™s CHP systems. Applied Energy, 2010, 87, 1231-1238.	10.1	99
255	Co-firing straw with coal in a swirl-stabilized dual-feed burner: Modelling and experimental validation. Bioresource Technology, 2010, 101, 4169-4178.	9.6	78
256	Biomass resources, fuel preparation and utilization for improving the fuel flexibility of advanced power plants. , 2010, , 312-331.		1
257	New Weighted Sum of Gray Gases Model Applicable to Computational Fluid Dynamics (CFD) Modeling of Oxyâ”Fuel Combustion: Derivation, Validation, and Implementation. Energy & Fuels, 2010, 24, 6275-6282.	5.1	202
258	Turbulence modulation in dilute particle-laden flow. International Journal of Heat and Fluid Flow, 2009, 30, 331-338.	2.4	46
259	Numerical Modeling of Thermoelectric Generators With Varing Material Properties in a Circuit Simulator. IEEE Transactions on Energy Conversion, 2009, 24, 112-124.	5.2	127
260	D206 MODELING OF PULVERIZED COAL AND BIOMASS CO-FIRING IN A 150 KW SWIRLING-STABILIZED BURNER AND EXPERIMENTAL VALIDATION(Biomass-5). The Proceedings of the International Conference on Power Engineering (ICOPE), 2009, 2009.2, _2-305_-_2-310_.	0.0	4
261	Comments on â€œConstructal design of a thermoelectric deviceâ€ IJHMT 49 (2006) 1420â€“1429. International Journal of Heat and Mass Transfer, 2008, 51, 973-976.	4.8	0
262	Grate-firing of biomass for heat and power production. Progress in Energy and Combustion Science, 2008, 34, 725-754.	31.2	402
263	Mathematical Modeling and Experimental Study of Biomass Combustion in a Thermal 108 MW Grate-Fired Boiler. Energy & Fuels, 2008, 22, 1380-1390.	5.1	130
264	Multi-physics Simulation of Thermoelectric Generators Through Numerically Modeling. , 2007, , .		2
265	Irreversible transfer processes of thermoelectric generators. American Journal of Physics, 2007, 75, 815-820.	0.7	31
266	Physical characterization of biomass fuels prepared for suspension firing in utility boilers for CFD modelling. Biomass and Bioenergy, 2007, 31, 318-325.	5.7	29
267	Modeling and Experiments of Biomass Combustion in a Large-scale Grate Boiler. , 2007, , 1173-1179.		1
268	Towards a CFD-based mechanistic deposit formation model for straw-fired boilers. Fuel, 2006, 85, 833-848.	6.4	68
269	Transient Behavior Study of Thermoelectric Generators through an Electro-thermal Model Using SPICE. , 2006, , .		18
270	CFD Performance Analysis of a Stirred Tank Flowmaker. , 2006, , .		0

#	Article	IF	Citations
271	CFD Performance Analysis of a Flowmaker. , 2006, , .		0
272	Use of numerical modeling in design for co-firing biomass in wall-fired burners. Chemical Engineering Science, 2004, 59, 3281-3292.	3.8	92
273	Modelling the motion of cylindrical particles in a nonuniform flow. Chemical Engineering Science, 2003, 58, 3489-3498.	3.8	126
274	Further study of the gas temperature deviation in large-scale tangentially coal-fired boilersâ‹†. Fuel, 2003, 82, 1127-1137.	6.4	77
275	Methods to improve prediction performance of ANN models. Simulation Modelling Practice and Theory, 2003, 11, 211-222.	3.8	63
276	Using a multi-parameter particle shape description to predict the motion of non-spherical particle shapes in swirling flow. Applied Mathematical Modelling, 2000, 24, 11-25.	4.2	79
277	An Experimental Study on Macro Piezoceramic Fiber Composites for Energy Harvesting. Materials Science Forum, 0, 951, 3-8.	0.3	12
278	Tuning the porosity and physicochemical properties of SBA-15: RSM-assisted optimizing of traditional solâ€“gel process. Chemical Papers, 0, , 1.	2.2	0