

Somchai Wongwises

List of Publications by Year in descending order

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264
papers

22,370
citations

7069

78
h-index

10127

140
g-index

264
all docs

264
docs citations

264
times ranked

8923
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Effect of conjugate heat transfer on the thermo-electro-hydrodynamics of nanofluids: entropy optimization analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 599-614. | 2.0 | 27 |
| 2 | Effect of confluence length on the heat transport capability of ultra-thin multiport minichannel thermosyphon. <i>Applied Thermal Engineering</i> , 2022, 201, 117763. | 3.0 | 8 |
| 3 | Heat transfer and pressure drop characteristics of two phase flow in helical coils. <i>Thermal Science and Engineering Progress</i> , 2022, 27, 101143. | 1.3 | 1 |
| 4 | Conceptual analysis framework development to understand barriers of nanofluid commercialization. <i>Nano Energy</i> , 2022, 92, 106736. | 8.2 | 106 |
| 5 | Measurement of thermal conductivity and viscosity of ZnO-SiO ₂ hybrid nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 8243-8259. | 2.0 | 10 |
| 6 | Numerical study and optimisation of the boiling of refrigerant in a vertical corrugated tube using vapour phase tracking. <i>International Journal of Heat and Mass Transfer</i> , 2022, 183, 122116. | 2.5 | 5 |
| 7 | Experimental Study of Halloysite Nanofluids in Pool Boiling Heat Transfer. <i>Molecules</i> , 2022, 27, 729. | 1.7 | 10 |
| 8 | Experimental comparison of heat transfer characteristics of Enhanced Truck Radiators. <i>Case Studies in Thermal Engineering</i> , 2022, , 102092. | 2.8 | 0 |
| 9 | An investigation of the thermal behavior of constructal theory-based pore-scale porous media by using a combination of computational fluid dynamics and machine learning. <i>International Journal of Heat and Mass Transfer</i> , 2022, 194, 123072. | 2.5 | 7 |
| 10 | Optimization of the finned double-pipe heat exchanger using nanofluids as working fluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 859-878. | 2.0 | 19 |
| 11 | Effect of coated mesh wick on the performance of cylindrical heat pipe using graphite nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 146, 297-309. | 2.0 | 6 |
| 12 | Experimental measurement of viscosity and electrical conductivity of water-based γ -Al ₂ O ₃ /MWCNT hybrid nanofluids with various particle mass ratios. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1037-1050. | 2.0 | 30 |
| 13 | Low-cost zinc-oxide nanoparticles for solar-powered steam production: Superficial and volumetric approaches. <i>Journal of Cleaner Production</i> , 2021, 280, 124261. | 4.6 | 24 |
| 14 | Optical properties and thermal stability evaluation of solar absorbers enhanced by nanostructured selective coating films. <i>Powder Technology</i> , 2021, 377, 939-957. | 2.1 | 28 |
| 15 | Effect of nanoparticle shape on the performance of thermal systems utilizing nanofluids: A critical review. <i>Journal of Molecular Liquids</i> , 2021, 321, 114430. | 2.3 | 63 |
| 16 | An experimental study of adiabatic two-phase gas-liquid flow in helical micro-tube. <i>AIP Conference Proceedings</i> , 2021, , . | 0.3 | 0 |
| 17 | Comparative Study of Carbon Nanosphere and Carbon Nanopowder on Viscosity and Thermal Conductivity of Nanofluids. <i>Nanomaterials</i> , 2021, 11, 608. | 1.9 | 12 |
| 18 | Latest developments in nanofluid flow and heat transfer between parallel surfaces: A critical review. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102450. | 7.0 | 21 |

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|----|--|-----|-----------|
| 19 | Recent advances in using nanofluids in renewable energy systems and the environmental implications of their uptake. <i>Nano Energy</i> , 2021, 86, 106069. | 8.2 | 149 |
| 20 | Analytical methods for the efficiency of annular fins with rectangular and hyperbolic profiles under partially wet surface conditions. <i>Numerical Heat Transfer; Part A: Applications</i> , 2021, 80, 617-634. | 1.2 | 6 |
| 21 | Comprehensive case study on heat transfer enhancement using micro pore metal foams: From solar collectors to thermo electric generator applications. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101333. | 2.8 | 18 |
| 22 | An experimental investigation of the air-side performance of crimped spiral fin-and-tube heat exchangers with a small tube diameter. <i>International Journal of Heat and Mass Transfer</i> , 2021, 178, 121571. | 2.5 | 16 |
| 23 | Performance improvement of a photovoltaic-thermal system using a wavy-strip insert with and without nanofluid. <i>Energy</i> , 2021, 234, 121190. | 4.5 | 29 |
| 24 | A CFD Study of [C2mim][CH3SO3]/Al2O3 Ionanofluid Flow and Heat Transfer in Grooved Tubes. <i>International Journal of Thermophysics</i> , 2021, 42, 1. | 1.0 | 6 |
| 25 | Effect of sonication time on the evaporation rate of seawater containing a nanocomposite. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104817. | 3.8 | 28 |
| 26 | Single phase flow of nanofluid including graphite and water in a microchannel. <i>Heat and Mass Transfer</i> , 2020, 56, 1-24. | 1.2 | 12 |
| 27 | Cooling of high heat flux electronic devices using ultra-thin multiport minichannel thermosyphon. <i>Applied Thermal Engineering</i> , 2020, 169, 114669. | 3.0 | 28 |
| 28 | Experimental Studies on Thermophysical and Electrical Properties of Graphene-Transformer Oil Nanofluid. <i>Fluids</i> , 2020, 5, 172. | 0.8 | 19 |
| 29 | Experimental and numerical studies on heat transfer enhancement for air conditioner condensers using a wavy fin with a rectangular winglet. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 4307-4322. | 0.7 | 5 |
| 30 | Feasibility of using multiport minichannel as thermosyphon for cooling of miniaturized electronic devices. <i>Heat Transfer</i> , 2020, 49, 4834-4856. | 1.7 | 9 |
| 31 | The effect of multi-wall carbon nanotubes/turbine meter oil nanofluid concentration on the thermophysical properties of lubricants. <i>Powder Technology</i> , 2020, 367, 133-142. | 2.1 | 45 |
| 32 | A review of heating/cooling processes using nanomaterials suspended in refrigerants and lubricants. <i>International Journal of Heat and Mass Transfer</i> , 2020, 153, 119611. | 2.5 | 67 |
| 33 | Review on the recent progress in the preparation and stability of graphene-based nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 1145-1172. | 2.0 | 92 |
| 34 | Effects of Sonication Time on the Stability and Viscosity of Functionalized MWCNT-Based Nanolubricants. <i>Current Nanoscience</i> , 2020, 16, 639-654. | 0.7 | 0 |
| 35 | Sizing charts of helical capillary tubes used in refrigeration and air conditioning. <i>Science and Technology for the Built Environment</i> , 2019, 25, 1-10. | 0.8 | 9 |
| 36 | An updated review on application of nanofluids in heat exchangers for saving energy. <i>Energy Conversion and Management</i> , 2019, 198, 111886. | 4.4 | 293 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | Experimental study on evaporative heat transfer and pressure drop of R-134a in a horizontal dimpled tube. <i>International Journal of Heat and Mass Transfer</i> , 2019, 144, 118688. | 2.5 | 18 |
| 39 | Optimal characteristics and heat transfer efficiency of SiO ₂ /water nanofluid for application of energy devices: A comprehensive study. <i>International Journal of Energy Research</i> , 2019, 43, 8548. | 2.2 | 6 |
| 40 | An experimental investigation on heat transfer characteristics of graphite-SiO ₂ /water hybrid nanofluid flow in horizontal tube with various quad-channel twisted tape inserts. <i>International Communications in Heat and Mass Transfer</i> , 2019, 107, 1-13. | 2.9 | 61 |
| 41 | Effect of Filling Ratio and Tilt Angle on the Performance of a Mini-Loop Thermosyphon. <i>Journal of Thermal Science and Engineering Applications</i> , 2019, 11, . | 0.8 | 4 |
| 42 | On the role of enclosure side walls thickness and heater geometry in heat transfer enhancement of water-Al ₂ O ₃ nanofluid in presence of a magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 679-696. | 2.0 | 33 |
| 43 | Effect of replacing nanofluid instead of water on heat transfer in a channel with extended surfaces under a magnetic field. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 1249-1271. | 1.6 | 63 |
| 44 | Experimental investigation of hybrid nano-lubricant for rheological and thermal engineering applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 1823-1839. | 2.0 | 40 |
| 45 | Recent advances in preparation methods and thermophysical properties of oil-based nanofluids: A state-of-the-art review. <i>Powder Technology</i> , 2019, 352, 209-226. | 2.1 | 163 |
| 46 | A review of recent advances in solar cooking technology. <i>Renewable Energy</i> , 2019, 140, 419-435. | 4.3 | 110 |
| 47 | 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 |
| 48 | 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 |
| 49 | Effect of magnetic field on laminar forced convective heat transfer of MWCNT-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 |
| 50 | Effect of uniform/non-uniform magnetic field and jet impingement on the hydrodynamic and heat transfer performance of nanofluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 479, 268-281. | 1.0 | 30 |
| 51 | Three-dimensional modelling of natural convection and entropy generation in a vertical cylinder under heterogeneous heat flux using nanofluids. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 30, 119-142. | 1.6 | 17 |
| 52 | Modeling of Subcooled Flow Boiling with Nanoparticles under the Influence of a Magnetic Field. <i>Symmetry</i> , 2019, 11, 1275. | 1.1 | 26 |
| 53 | Optimization and sensitivity analysis of magneto-hydrodynamic natural convection nanofluid flow inside a square enclosure using response surface methodology. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1031-1045. | 2.0 | 60 |
| 54 | Experimental investigation of condensation heat transfer and pressure drop of R-134a flowing inside dimpled tubes with different dimpled depths. <i>International Journal of Heat and Mass Transfer</i> , 2019, 128, 783-793. | 2.5 | 49 |

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|----|--|------|-----------|
| 55 | Recent advances in modeling and simulation of nanofluid flows-Part I: Fundamentals and theory. Physics Reports, 2019, 790, 1-48. | 10.3 | 670 |
| 56 | Recent advances in modeling and simulation of nanofluid flowsâ€”Part II: Applications. Physics Reports, 2019, 791, 1-59. | 10.3 | 389 |
| 57 | Numerical evaluation on thermalâ€”hydraulic characteristics of dilute heat-dissipating nanofluids flow in microchannels. Journal of Thermal Analysis and Calorimetry, 2019, 135, 671-683. | 2.0 | 33 |
| 58 | Prediction of hydrothermal behavior of a non-Newtonian nanofluid in a square channel by modeling of thermophysical properties using neural network. Journal of Thermal Analysis and Calorimetry, 2019, 135, 901-910. | 2.0 | 23 |
| 59 | Hydrothermal optimization of SiO ₂ /water nanofluids based on attitudes in decision making. International Communications in Heat and Mass Transfer, 2018, 90, 67-72. | 2.9 | 23 |
| 60 | A critical review on the use of nanoparticles in liquidâ€”liquid extraction. Chemical Engineering Science, 2018, 183, 148-176. | 1.9 | 28 |
| 61 | The difference in flow pattern, heat transfer and pressure drop characteristics of mini-channel flow boiling in horizontal and vertical orientations. International Journal of Multiphase Flow, 2018, 101, 97-112. | 1.6 | 40 |
| 62 | Design of a heat exchanger working with organic nanofluids using multi-objective particle swarm optimization algorithm and response surface method. International Journal of Heat and Mass Transfer, 2018, 119, 922-930. | 2.5 | 70 |
| 63 | Enhancing thermal behavior of SiC nanopowder and SiC/Water nanofluid by using cryogenic treatment. Advances in Materials and Processing Technologies, 2018, 4, 402-415. | 0.8 | 7 |
| 64 | Condensation heat transfer and pressure drop characteristics of R-134a flowing through dimpled tubes with different helical and dimpled pitches. International Journal of Heat and Mass Transfer, 2018, 121, 620-631. | 2.5 | 57 |
| 65 | 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. International Journal of Heat and Mass Transfer, 2018, 117, 474-486. | 2.5 | 263 |
| 66 | 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. | 3.0 | 120 |
| 67 | Experimental study on the thermal performance and heat transfer characteristics of solar parabolic trough collector using Al ₂ O ₃ /O ₂ nanofluids. Environmental Progress and Sustainable Energy, 2018, 37, 1149-1159. | 1.3 | 52 |
| 68 | Effect of Nanoparticle Coating on the Performance of a Miniature Loop Heat Pipe for Electronics Cooling Applications. Journal of Heat Transfer, 2018, 140, . | 1.2 | 26 |
| 69 | Experimental study on the thermal conductivity of water-based CNT-SiO ₂ hybrid nanofluids. International Communications in Heat and Mass Transfer, 2018, 99, 18-25. | 2.9 | 85 |
| 70 | Latest developments in boiling critical heat flux using nanofluids: A concise review. International Communications in Heat and Mass Transfer, 2018, 98, 59-66. | 2.9 | 57 |
| 71 | Effect of h-BN coating on nucleate boiling heat transfer performance in pool boiling. Experimental Thermal and Fluid Science, 2018, 98, 12-19. | 1.5 | 18 |
| 72 | Thermophysical properties of CNT and CNT/Al ₂ O ₃ hybrid nanofluid. Micro and Nano Letters, 2018, 13, 617-621. | 0.6 | 49 |

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|----|--|-----|-----------|
| 73 | Thermal Management of Electronic Devices Using Combined Effects of Nanoparticle Coating and Graphene-Water Nanofluid in a Miniature Loop Heat Pipe. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018, 8, 1241-1253. | 1.4 | 14 |
| 74 | Experimental Study on the Stability and Viscosity for the Blends of Functionalized MWCNTs with Refrigeration Compressor Oils. <i>Current Nanoscience</i> , 2018, 14, 216-226. | 0.7 | 12 |
| 75 | A comprehensive review on rheological behavior of mono and hybrid nanofluids: Effective parameters and predictive correlations. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 997-1012. | 2.5 | 140 |
| 76 | Applications of eco-friendly refrigerants and nanorefrigerants: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 96, 91-99. | 8.2 | 89 |
| 77 | Experimental investigation on the viscosity characteristics of water based SiO ₂ -graphite hybrid nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2018, 97, 30-38. | 2.9 | 68 |
| 78 | Flow Pattern, Heat Transfer and Pressure Drop Behaviors of Micro-Channel Flow Boiling. , 2018, , . | | 2 |
| 79 | Determination of Optimum Velocity for Various Nanofluids Flowing in a Double-Pipe Heat Exchanger. <i>Heat Transfer Engineering</i> , 2017, 38, 11-25. | 1.2 | 10 |
| 80 | Wave dispersion of carbon nanotubes conveying fluid supported on linear viscoelastic two-parameter foundation including thermal and small-scale effects. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 85, 109-116. | 1.3 | 17 |
| 81 | Experimental study on viscosity of spinel-type manganese ferrite nanofluid in attendance of magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 428, 457-463. | 1.0 | 59 |
| 82 | Experimental investigation on rheological, momentum and heat transfer characteristics of flowing fiber crop suspensions. <i>International Communications in Heat and Mass Transfer</i> , 2017, 80, 60-69. | 2.9 | 20 |
| 83 | A numerical study of natural convection in a vertical annulus filled with gallium in the presence of magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 430, 22-28. | 1.0 | 119 |
| 84 | Exergy Optimization of a Double-Exposure Solar Cooker by Response Surface Method. <i>Journal of Thermal Science and Engineering Applications</i> , 2017, 9, . | 0.8 | 9 |
| 85 | An experimental investigation on the heat transfer and pressure drop characteristics of nanofluid flowing in microchannel heat sink with multiple zigzag flow channel structures. <i>Experimental Thermal and Fluid Science</i> , 2017, 87, 30-39. | 1.5 | 65 |
| 86 | Nanofluids effects on the evaporation rate in a solar still equipped with a heat exchanger. <i>Nano Energy</i> , 2017, 36, 134-155. | 8.2 | 326 |
| 87 | Performance of cylindrical and flattened heat pipes at various inclinations including repeatability in anti-gravity – A comparative study. <i>Applied Thermal Engineering</i> , 2017, 122, 685-696. | 3.0 | 19 |
| 88 | Pool boiling heat transfer enhancement of distilled water with passive rotating blades installed above the heating surface. <i>Experimental Thermal and Fluid Science</i> , 2017, 87, 109-116. | 1.5 | 13 |
| 89 | Multi-objective optimization of nanofluid flow in double tube heat exchangers for applications in energy systems. <i>Energy</i> , 2017, 137, 160-171. | 4.5 | 128 |
| 90 | Artificial neural network modeling of nanofluid flow in a microchannel heat sink using experimental data. <i>International Communications in Heat and Mass Transfer</i> , 2017, 86, 25-31. | 2.9 | 80 |

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|-----|---|-----|-----------|
| 91 | An experimental study to determine the maximum efficiency index in turbulent flow of SiO ₂ /water nanofluids. International Journal of Heat and Mass Transfer, 2017, 112, 1113-1121. | 2.5 | 31 |
| 92 | Thermal conductivity measurement of spinel-type ferrite MnFe ₂ O ₄ nanofluids in the presence of a uniform magnetic field. Journal of Molecular Liquids, 2017, 230, 121-128. | 2.3 | 105 |
| 93 | Nanofluid flow and heat transfer in porous media: A review of the latest developments. International Journal of Heat and Mass Transfer, 2017, 107, 778-791. | 2.5 | 377 |
| 94 | Evaluation of the performance of the empirical correlations used to predict R134a's boiling frictional pressure drop inside smooth and corrugated tubes. International Communications in Heat and Mass Transfer, 2017, 81, 8-18. | 2.9 | 7 |
| 95 | Actual dry-bulb temperature and equivalent dry-bulb temperature methods for wavy fin-and-tube heat exchangers with dehumidification. International Journal of Heat and Mass Transfer, 2017, 106, 675-685. | 2.5 | 12 |
| 96 | Entropy generation analysis of a miniature loop heat pipe with graphene-water nanofluid: Thermodynamics model and experimental study. International Journal of Heat and Mass Transfer, 2017, 106, 407-421. | 2.5 | 49 |
| 97 | Experimental study on two-phase condensation heat transfer and pressure drop of R-134a flowing in a dimpled tube. International Journal of Heat and Mass Transfer, 2017, 106, 437-448. | 2.5 | 72 |
| 98 | A comparative study on the performance of HFO-1234yf and HFC-134a as an alternative in automotive air conditioning systems. Applied Thermal Engineering, 2017, 110, 1091-1100. | 3.0 | 83 |
| 99 | Modeling and optimization of thermal conductivity and viscosity of MnFe ₂ O ₄ nanofluid under magnetic field using an ANN. Scientific Reports, 2017, 7, 17369. | 1.6 | 70 |
| 100 | Experimental Investigation on a Thermal Model for a Basin Solar Still with an External Reflector. Energies, 2017, 10, 18. | 1.6 | 48 |
| 101 | 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 |
| 102 | Investigation of heat transfer performance and friction factor of a counter-flow double-pipe heat exchanger using nitrogen-doped, graphene-based nanofluids. International Communications in Heat and Mass Transfer, 2016, 76, 16-23. | 2.9 | 179 |
| 103 | Second law analysis of a nanofluid-based solar collector using experimental data. Journal of Thermal Analysis and Calorimetry, 2016, 126, 617-625. | 2.0 | 82 |
| 104 | Viscosity of nanofluids: A review of recent experimental studies. International Communications in Heat and Mass Transfer, 2016, 73, 114-123. | 2.9 | 274 |
| 105 | Natural convection of silica nanofluids in square and triangular enclosures: Theoretical and experimental study. International Journal of Heat and Mass Transfer, 2016, 99, 792-804. | 2.5 | 103 |
| 106 | Entropy generation analysis of graphene-alumina hybrid nanofluid in multiport minichannel heat exchanger coupled with thermoelectric cooler. International Journal of Heat and Mass Transfer, 2016, 103, 1084-1097. | 2.5 | 202 |
| 107 | Helical Capillary Tube Sizing Charts for All Mixture Ratios of R125, R134a and R32. International Journal of Air-Conditioning and Refrigeration, 2016, 24, 1650022. | 0.8 | 10 |
| 108 | Effect of filling ratio on the performance of a novel miniature loop heat pipe having different diameter transport lines. Applied Thermal Engineering, 2016, 106, 588-600. | 3.0 | 52 |

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|-----|--|-----|-----------|
| 109 | Effects of temperature and concentration on the viscosity of nanofluids made of single-wall carbon nanotubes in ethylene glycol. <i>International Communications in Heat and Mass Transfer</i> , 2016, 74, 108-113. | 2.9 | 149 |
| 110 | Thermoelectric cooling of electronic devices with nanofluid in a multiport minichannel heat exchanger. <i>Experimental Thermal and Fluid Science</i> , 2016, 74, 81-90. | 1.5 | 132 |
| 111 | Thermal performance of miniature loop heat pipe with grapheneâ€“water nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2016, 93, 957-968. | 2.5 | 88 |
| 112 | Measurement of thermal conductivity of grapheneâ€“water nanofluid at below and above ambient temperatures. <i>International Communications in Heat and Mass Transfer</i> , 2016, 70, 66-74. | 2.9 | 86 |
| 113 | Effect of volume concentration and temperature on viscosity and surface tension of grapheneâ€“water nanofluid for heat transfer applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 1399-1409. | 2.0 | 145 |
| 114 | Experimental and numerical investigation of nanofluids heat transfer characteristics for application in solar heat exchangers. <i>International Journal of Heat and Mass Transfer</i> , 2016, 92, 1041-1052. | 2.5 | 210 |
| 115 | Numerical Investigation of the Single Phase Forced Convection Heat Transfer Characteristics of Nanofluid Flowing in Circular and Noncircular Tubes. , 2015, , . | | 0 |
| 116 | A Hybrid Finite-Element/Finite-Difference Scheme for Solving the 3-D Energy Equation in Transient Nonisothermal Fluid Flow over a Staggered Tube Bank. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2015, 68, 169-183. | 0.6 | 23 |
| 117 | Heat Transfer Performance of a Glass Thermosyphon Using Grapheneâ€“Acetone Nanofluid. <i>Journal of Heat Transfer</i> , 2015, 137, . | 1.2 | 42 |
| 118 | Modeling of thermal conductivity of ZnO-EG using experimental data and ANN methods. <i>International Communications in Heat and Mass Transfer</i> , 2015, 63, 35-40. | 2.9 | 126 |
| 119 | Heat Transfer, Pressure Drop, and Entropy Generation in a Solar Collector Using SiO ₂ /Water Nanofluids: Effects of Nanoparticle Size and pH. <i>Journal of Heat Transfer</i> , 2015, 137, . | 1.2 | 66 |
| 120 | Mixed-convection flow and heat transfer in an inclined cavity equipped to a hot obstacle using nanofluids considering temperature-dependent properties. <i>International Journal of Heat and Mass Transfer</i> , 2015, 85, 656-666. | 2.5 | 94 |
| 121 | Mathematical Model for Predicting the Heat Transfer Characteristics of a Helical-Coiled, Crimped, Spiral, Finned-Tube Heat Exchanger. <i>Heat Transfer Engineering</i> , 2015, 36, 1495-1503. | 1.2 | 11 |
| 122 | A comparison of the heat transfer performance and pressure drop of nanofluid-cooled heat sinks with different miniature pin fin configurations. <i>Experimental Thermal and Fluid Science</i> , 2015, 69, 111-118. | 1.5 | 51 |
| 123 | A Theoretical Comparative Study on Nanorefrigerant Performance in a Single-Stage Vapor-Compression Refrigeration Cycle. <i>Advances in Mechanical Engineering</i> , 2015, 7, 138725. | 0.8 | 24 |
| 124 | Effect of induced electric field on magneto-natural convection in a vertical cylindrical annulus filled with liquid potassium. <i>International Journal of Heat and Mass Transfer</i> , 2015, 90, 418-426. | 2.5 | 94 |
| 125 | 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. <i>International Communications in Heat and Mass Transfer</i> , 2015, 67, 46-50. | 2.9 | 120 |
| 126 | Thermal conductivity of Cu/TiO ₂ â€“water/EG hybrid nanofluid: Experimental data and modeling using artificial neural network and correlation. <i>International Communications in Heat and Mass Transfer</i> , 2015, 66, 100-104. | 2.9 | 336 |

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|-----|--|-----|-----------|
| 127 | Experimental investigation and development of new correlations for thermal conductivity of CuO/EG-water nanofluid. International Communications in Heat and Mass Transfer, 2015, 65, 47-51. | 2.9 | 111 |
| 128 | Investigation of the crosswind-influenced thermal performance of a natural draft counterflow cooling tower. International Journal of Heat and Mass Transfer, 2015, 85, 1049-1057. | 2.5 | 30 |
| 129 | The New Mathematical Models for Plain Fin-and-Tube Heat Exchangers With Dehumidification. Journal of Heat Transfer, 2015, 137, . | 1.2 | 4 |
| 130 | Two-phase flow patterns and heat transfer characteristics of R134a refrigerant during flow boiling in a single rectangular micro-channel. Experimental Thermal and Fluid Science, 2015, 66, 36-45. | 1.5 | 48 |
| 131 | An experimental study on the thermal and hydraulic performances of nanofluids flow in a miniature circular pin fin heat sink. Experimental Thermal and Fluid Science, 2015, 66, 28-35. | 1.5 | 50 |
| 132 | Experimental investigation on the thermal efficiency and performance characteristics of a flat plate solar collector using SiO ₂ /EG-water nanofluids. International Communications in Heat and Mass Transfer, 2015, 65, 71-75. | 2.9 | 163 |
| 133 | Adiabatic two-phase gas-liquid flow behaviors during upward flow in a vertical circular micro-channel. Experimental Thermal and Fluid Science, 2015, 69, 158-168. | 1.5 | 22 |
| 134 | Forced convective heat transfer of water/functionalized multi-walled carbon nanotube nanofluids in a microchannel with oscillating heat flux and slip boundary condition. International Communications in Heat and Mass Transfer, 2015, 68, 69-77. | 2.9 | 145 |
| 135 | An experimental study on the effect of diameter on thermal conductivity and dynamic viscosity of Fe/water nanofluids. Journal of Thermal Analysis and Calorimetry, 2015, 119, 1817-1824. | 2.0 | 265 |
| 136 | Multi-objective optimization of natural convection in a cylindrical annulus mold under magnetic field using particle swarm algorithm. International Communications in Heat and Mass Transfer, 2015, 60, 13-20. | 2.9 | 87 |
| 137 | An experimental study of two-phase air-water flow and heat transfer characteristics of segmented flow in a microchannel. Experimental Thermal and Fluid Science, 2015, 62, 29-39. | 1.5 | 22 |
| 138 | Thermal conductivity modeling of MgO/EG nanofluids using experimental data and artificial neural network. Journal of Thermal Analysis and Calorimetry, 2014, 118, 287-294. | 2.0 | 210 |
| 139 | Effects of the gap size on the flow pattern maps in a mini-gap annular channel. Experimental Thermal and Fluid Science, 2014, 57, 420-424. | 1.5 | 8 |
| 140 | A Focus on the Literature Review of Nanorefrigerants. , 2014, , . | | 1 |
| 141 | Mathematical Model for Predicting the Heat Transfer Characteristics of a Helical-Coiled, Crimped, Spiral, Finned-Tube Heat Exchanger. Heat Transfer Engineering, 2014, , 00-00. | 1.2 | 0 |
| 142 | Numerical investigation for the calculation of TiO ₂ -water nanofluids' pressure drop in plain and enhanced pipes. International Communications in Heat and Mass Transfer, 2014, 53, 98-108. | 2.9 | 16 |
| 143 | Heat transfer characteristics and pressure drop of COOH-functionalized DWCNTs/water nanofluid in turbulent flow at low concentrations. International Journal of Heat and Mass Transfer, 2014, 73, 186-194. | 2.5 | 162 |
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