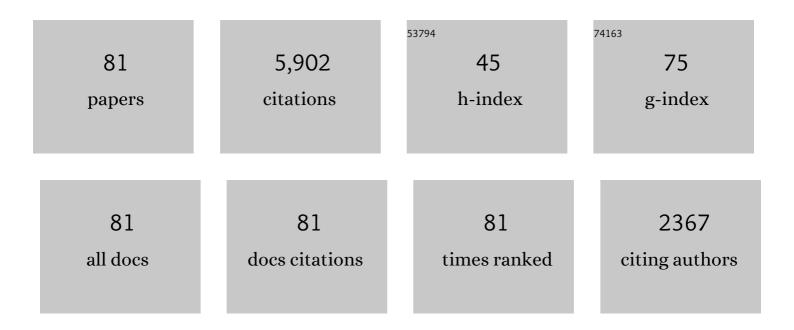
List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Thermal performance and entropy generation for nanofluid jet injection on a ribbed microchannel with oscillating heat flux: Investigation of the first and second laws of thermodynamics. Chinese Journal of Chemical Engineering, 2022, 42, 450-464. | 3.5 | 6 |
| 2 | Numerical study of natural convection of nanofluid in a rectangular closed enclosure (RCE) affected by hot and cold flow in a two-layer microchannel. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1. | 1.6 | 2 |
| 3 | Modifications in the physical structure of a new two-layer micro-size heat sink with sinusoidal shaped cavities for heat transfer augmentation of nanofluid flow. AEJ - Alexandria Engineering Journal, 2022, 61, 11019-11030. | 6.4 | 8 |
| 4 | Natural convection of Water/MWCNT nanofluid flow in an enclosure for investigation of the first and second laws of thermodynamics. AEJ - Alexandria Engineering Journal, 2022, 61, 11687-11713. | 6.4 | 9 |
| 5 | Numerical investigation of heat and mass transfer of water—silver nanofluid in a spiral heat exchanger using a two-phase mixture method. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1003-1012. | 3.6 | 14 |
| 6 | The effects of oil/MWCNT nanofluids and geometries on theÂsolid oxide fuel cell cooling systems: a CFD study. Journal of Thermal Analysis and Calorimetry, 2021, 144, 245-256. | 3.6 | 6 |
| 7 | Mixed convection heat transfer of a nanofluid in a closed elbow-shaped cavity (CESC). Journal of Thermal Analysis and Calorimetry, 2021, 144, 2295-2316. | 3.6 | 22 |
| 8 | Numerical investigation of mixed convection of nanofluid flow in oblique rectangular microchannels with nanofluid jet injection. European Physical Journal Plus, 2021, 136, . | 2.6 | 10 |
| 9 | Numerical investigation of the effect of water/Al ₂ O ₃ nanofluid on heat transfer in trapezoidal, sinusoidal and stepped microchannels. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 2439-2465. | 2.8 | 24 |
| 10 | Numerical simulation of the effect of using nanofluid in phase change process of cooling fluid. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 2913-2934. | 2.8 | 6 |
| 11 | Forced convection in a double tube heat exchanger using nanofluids with constant and variable thermophysical properties. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 3247-3265. | 2.8 | 38 |
| 12 | Effects of magnetic field on micro cross jet injection of dispersed nanoparticles in a microchannel. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 2683-2704. | 2.8 | 94 |
| 13 | Eulerian–Eulerian multi-phase RPI modeling of turbulent forced convective of boiling flow inside the tube with porous medium. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 2739-2757. | 2.8 | 10 |
| 14 | A comprehensive study of two-phase flow and heat transfer of water/Ag nanofluid in an elliptical curved minichannel. Chinese Journal of Chemical Engineering, 2020, 28, 383-402. | 3.5 | 28 |
| 15 | Numerical study on mixed convection of a non-Newtonian nanofluid with porous media in aÂtwo lid-drivenÂsquare cavity. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1121-1145. | 3.6 | 153 |
| 16 | Computational modeling of porous medium inside a channel with homogeneous nanofluid. Journal of Thermal Analysis and Calorimetry, 2020, 140, 843-858. | 3.6 | 11 |
| 17 | Accurate meso-scale simulation of mixed convective heat transfer in a porous media for a vented square with hot elliptic obstacle: An LBM approach. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122439. | 2.6 | 33 |
| 18 | Numerical investigation of turbulent flow and heat transfer of nanofluid inside a wavy microchannel with different wavelengths. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2365-2380. | 3.6 | 110 |

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| 19 | Analysis of buckling of a multi-layered nanocomposite rectangular plate reinforced by single-walled carbon nanotubes on elastic medium considering nonlocal theory of Eringen and variational approach. Indian Journal of Physics, 2020, 94, 1009-1023. | 1.8 | 4 |
| 20 | Investigating the thermal energy storage inside a double-wall tank utilizing phase-change materials (PCMs). Journal of Thermal Analysis and Calorimetry, 2020, 139, 2283-2294. | 3.6 | 36 |
| 21 | Numerical simulation of turbulent flow and forced heat transfer of water/CuO nanofluid inside a horizontal dimpled fin. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3711-3724. | 3.6 | 7 |
| 22 | Natural convection heat transfer enhancement of different nanofluids by adding dimple fins on a vertical channel wall. Chinese Journal of Chemical Engineering, 2020, 28, 643-659. | 3.5 | 25 |
| 23 | Numerical investigation of mixed convection heat transfer behavior of nanofluid in a cavity with different heat transfer areas. Journal of Thermal Analysis and Calorimetry, 2020, 140, 2779-2803. | 3.6 | 60 |
| 24 | Hydrothermal performance of nanofluid flow in a sinusoidal double layer microchannel in order to geometric optimization. International Communications in Heat and Mass Transfer, 2020, 117, 104700. | 5.6 | 46 |
| 25 | Optimization of geometry and nano-fluid properties on microchannel performance using Taguchi method and genetic algorithm. International Communications in Heat and Mass Transfer, 2020, 119, 104952. | 5.6 | 25 |
| 26 | 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 |
| 27 | Numerical study of mixed convection heat transfer inside a vertical microchannel with two-phase approach. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1119-1134. | 3.6 | 23 |
| 28 | Numerical investigation of turbulent flow and heat transfer in flat tube. Journal of Thermal Analysis and Calorimetry, 2019, 135, 3471-3483. | 3.6 | 24 |
| 29 | Effect of radiation on laminar natural convection of nanofluid in a vertical channel with single- and two-phase approaches. Journal of Thermal Analysis and Calorimetry, 2019, 138, 779-794. | 3.6 | 101 |
| 30 | Two-phase modeling of nanofluid forced convection in different arrangements of elliptical tube banks. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 30, 1937-1966. | 2.8 | 6 |
| 31 | A numerical investigation on the effects of mixed convection of Ag-water nanofluid inside a sim-circular lid-driven cavity on the temperature of an electronic silicon chip. Applied Thermal Engineering, 2019, 162, 114298. | 6.0 | 58 |
| 32 | Numerical investigation of thermal performance augmentation of nanofluid flow in microchannel heat sinks by using of novel nozzle structure: sinusoidal cavities and rectangular ribs. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1. | 1.6 | 7 |
| 33 | Numerical Simulation of Natural Convection Heat Transfer of Nanofluid With Cu, MWCNT, and Al2O3 Nanoparticles in a Cavity With Different Aspect Ratios. Journal of Thermal Science and Engineering Applications, 2019, 11, . | 1.5 | 73 |
| 34 | Heat Transfer of Oil/MWCNT Nanofluid Jet Injection Inside a Rectangular Microchannel. Symmetry, 2019, 11, 757. | 2.2 | 46 |
| 35 | Computational fluid dynamics and laminar heat transfer of water/Cu nanofluid in ribbed microchannel with a two-phase approach. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 1563-1589. | 2.8 | 12 |
| 36 | Numerical investigation of heat transfer of nanofluid flow through a microchannel with heat sinks and sinusoidal cavities by using novel nozzle structure. Journal of Thermal Analysis and Calorimetry, 2019, 138, 737-752. | 3.6 | 22 |

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| 37 | Lattice-Boltzmann method for analysis of combined forced convection and radiation heat transfer in a channel with sinusoidal distribution on walls. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 121066. | 2.6 | 24 |
| 38 | Investigating the effect of nanoparticles diameter on turbulent flow and heat transfer properties of non-Newtonian carboxymethyl cellulose/CuO fluid in a microtube. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 1699-1723. | 2.8 | 66 |
| 39 | Thermal performance improvement in water nanofluid/GNP–SDBS in novel design of double-layer microchannel heat sink with sinusoidal cavities and rectangular ribs. Journal of Thermal Analysis and Calorimetry, 2019, 136, 1333-1345. | 3.6 | 76 |
| 40 | Numerical study of biomagnetic fluid flow in a duct with a constriction affected by a magnetic field. Journal of Magnetism and Magnetic Materials, 2019, 473, 42-50. | 2.3 | 36 |
| 41 | The effect of using water/CuO nanofluid and L-shaped porous ribs on the performance evaluation criterion of microchannels. Journal of Thermal Analysis and Calorimetry, 2019, 135, 145-159. | 3.6 | 100 |
| 42 | Application of nanofluid to improve the thermal performance of horizontal spiral coil utilized in solar ponds: Geometric study. Renewable Energy, 2018, 122, 1-16. | 8.9 | 139 |
| 43 | The numerical modeling of water/FMWCNT nanofluid flow and heat transfer in a backward-facing contracting channel. Physica B: Condensed Matter, 2018, 537, 176-183. | 2.7 | 167 |
| 44 | Numerical study of turbulent nanofluid heat transfer in a tubular heat exchanger with twin twisted-tape inserts. Journal of Thermal Analysis and Calorimetry, 2018, 132, 741-759. | 3.6 | 106 |
| 45 | Simultaneous investigations the effects of non-Newtonian nanofluid flow in different volume fractions of solid nanoparticles with slip and no-slip boundary conditions. Thermal Science and Engineering Progress, 2018, 5, 263-277. | 2.7 | 108 |
| 46 | Effects of external wind breakers of Heller dry cooling system in power plants. Applied Thermal Engineering, 2018, 129, 1124-1134. | 6.0 | 37 |
| 47 | Turbulent flow and heat transfer of Water/Al 2 O 3 nanofluid inside a rectangular ribbed channel. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 96, 73-84. | 2.7 | 108 |
| 48 | Numerical investigation of flow and heat transfer characteristics in smooth, sinusoidal and zigzag-shaped microchannel with and without nanofluid. Journal of Thermal Analysis and Calorimetry, 2018, 131, 1757-1766. | 3.6 | 127 |
| 49 | The effect of attack angle of triangular ribs on heat transfer of nanofluids in a microchannel. Journal of Thermal Analysis and Calorimetry, 2018, 131, 2893-2912. | 3.6 | 125 |
| 50 | The effect of rib shape on the behavior of laminar flow of oil/MWCNT nanofluid in a rectangular microchannel. Journal of Thermal Analysis and Calorimetry, 2018, 134, 1611-1628. | 3.6 | 93 |
| 51 | Investigation into the effects of slip boundary condition on nanofluid flow in a double-layer microchannel. Journal of Thermal Analysis and Calorimetry, 2018, 131, 2975-2991. | 3.6 | 104 |
| 52 | Investigation of turbulent heat transfer and nanofluid flow in a double pipe heat exchanger. Advanced Powder Technology, 2018, 29, 273-282. | 4.1 | 215 |
| 53 | Numerical study of flow and heat transfer of water-Al2O3 nanofluid inside a channel with an inner cylinder using Eulerian–Lagrangian approach. Journal of Thermal Analysis and Calorimetry, 2018, 132, 651-665. | 3.6 | 46 |
| 54 | Technical and environmental analysis of repowering the existing CHP system in a petrochemical plant: A case study. Energy, 2018, 159, 937-949. | 8.8 | 39 |

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| 55 | Application of lattice Boltzmann method and spinodal decomposition phenomenon for simulating two-phase thermal flows. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 673-689. | 2.6 | 50 |
| 56 | CFD analysis of thermal and hydrodynamic characteristics of hybrid nanofluid in a new designed sinusoidal double-layered microchannel heat sink. Journal of Thermal Analysis and Calorimetry, 2018, 134, 2305-2315. | 3.6 | 108 |
| 57 | Melting process in porous media around two hot cylinders: Numerical study using the lattice Boltzmann method. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 316-335. | 2.6 | 107 |
| 58 | Investigation of volume fraction of nanoparticles effect and aspect ratio of the twisted tape in the tube. Journal of Thermal Analysis and Calorimetry, 2017, 129, 1911-1922. | 3.6 | 123 |
| 59 | The effect of aspect ratios of rib on the heat transfer and laminar water/TiO 2 nanofluid flow in a two-dimensional rectangular microchannel. Journal of Molecular Liquids, 2017, 236, 254-265. | 4.9 | 156 |
| 60 | Solar parallel feed water heating repowering of a steam power plant: A case study in Iran. Renewable and Sustainable Energy Reviews, 2017, 77, 474-485. | 16.4 | 105 |
| 61 | The numerical investigation of heat transfer and pressure drop of turbulent flow in a triangular microchannel. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 93, 179-189. | 2.7 | 120 |
| 62 | Increasing heat transfer of non-Newtonian nanofluid in rectangular microchannel with triangular ribs. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 93, 167-178. | 2.7 | 127 |
| 63 | The effect of semi-attached and offset mid-truncated ribs and Water/TiO2 nanofluid on flow and heat transfer properties in a triangular microchannel. Thermal Science and Engineering Progress, 2017, 2, 140-150. | 2.7 | 95 |
| 64 | Experimental and numerical investigations on heat transfer of a water-cooled lance for blowing oxidizing gas in an electrical arc furnace. Energy Conversion and Management, 2017, 148, 43-56. | 9.2 | 53 |
| 65 | Heat transfer improvement of water/single-wall carbon nanotubes (SWCNT) nanofluid in a novel design of a truncated double-layered microchannel heat sink. International Journal of Heat and Mass Transfer, 2017, 113, 780-795. | 4.8 | 212 |
| 66 | Analysis of heat transfer and nanofluid fluid flow in microchannels with trapezoidal, rectangular and triangular shaped ribs. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 91, 15-31. | 2.7 | 176 |
| 67 | Influence of T-semi attached rib on turbulent flow and heat transfer parameters of a silver-water nanofluid with different volume fractions in a three-dimensional trapezoidal microchannel. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 88, 60-76. | 2.7 | 167 |
| 68 | The investigation of simultaneous heat transfer of water/Al2O3 nanofluid in a close enclosure by applying homogeneous magnetic field. International Journal of Mechanical Sciences, 2017, 133, 674-688. | 6.7 | 100 |
| 69 | Application of a novel conical strip insert to improve the efficacy of water–Ag nanofluid for utilization in thermal systems: A two-phase simulation. Energy Conversion and Management, 2017, 151, 573-586. | 9.2 | 125 |
| 70 | The numerical investigation of angle of attack of inclined rectangular rib on the turbulent heat transfer of Water-Al2O3 nanofluid in a tube. International Journal of Mechanical Sciences, 2017, 131-132, 1106-1116. | 6.7 | 110 |
| 71 | Evaluation of synchronous execution of full repowering and solar assisting in a 200 MW steam power plant, a case study. Applied Thermal Engineering, 2017, 112, 111-123. | 6.0 | 90 |
| 72 | The effect of velocity and dimension of solid nanoparticles on heat transfer in non-Newtonian nanofluid. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 86, 68-75. | 2.7 | 154 |

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| 73 | Energy and exergy analyses of partial repowering of a natural gas-fired steam power plant. International Journal of Exergy, 2017, 23, 149. | 0.4 | 22 |
| 74 | Efficiency improvement of a steam power plant through solar repowering. International Journal of Exergy, 2017, 22, 158. | 0.4 | 64 |
| 75 | Numerical simulation of heat transfer and turbulent flow of water nanofluids copper oxide in rectangular microchannel with semi-attached rib. Advances in Mechanical Engineering, 2016, 8, 168781401664101. | 1.6 | 115 |
| 76 | A modified two-phase mixture model of nanofluid flow and heat transfer in a 3-D curved microtube. Advanced Powder Technology, 2016, 27, 2175-2185. | 4.1 | 169 |
| 77 | Investigation of rib's height effect on heat transfer and flow parameters of laminar water–Al 2 O 3 nanofluid in a rib-microchannel. Applied Mathematics and Computation, 2016, 290, 135-153. | 2.2 | 217 |
| 78 | Studying the Effect of Indentation on Flow Parameters and Slow Heat Transfer of Water-Silver Nano-Fluid with Varying Volume Fraction in a Rectangular Two-Dimensional Micro Channel. Indian Journal of Science and Technology, 2015, 8, . | 0.7 | 47 |
| 79 | Impact of ribs on flow parameters and laminar heat transfer of water–aluminum oxide nanofluid with different nanoparticle volume fractions in a three-dimensional rectangular microchannel. Advances in Mechanical Engineering, 2015, 7, 168781401561815. | 1.6 | 86 |
| 80 | Performance Evaluation of Nanofluids in an Inclined Ribbed Microchannel for Electronic Cooling Applications. , 0, , . | | 58 |
| 81 | Natural convection heat transfer of water/Ag nanofluid inside an elliptical enclosure with different attack angles. Mathematical Methods in the Applied Sciences, 0, , . | 2.3 | 31 |