

Ahmad zeeshan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|-------------------------|---------------|-----------------|
| 161 papers | 6,827 citations | 46 h-index | 77 g-index |
| 168 ext. papers | 7,863 ext. citations | 3 avg, IF | 7.13 L-index |

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 161 | Electro-osmosis-modulated biologically inspired flow of solid-liquid suspension in a channel with complex progressive wave: application of targeted drugging. <i>Canadian Journal of Physics</i> , 2022 , 100, 170-179 | 1.1 | 0 |
| 160 | Design of Two-Mode Spectroscopic Sensor for Biomedical Applications: Analysis and Measurement of Relative Intensity Noise through Control Mechanism. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1856 | 2.6 | 0 |
| 159 | Radiative bioconvection nanofluid squeezing flow between rotating circular plates: Semi-numerical study with the DTM-Padé approach. <i>Modern Physics Letters B</i> , 2022 , 36, | 1.6 | 3 |
| 158 | Numerical analysis of hydromagnetic transport of Casson nanofluid over permeable linearly stretched cylinder with Arrhenius activation energy. <i>International Communications in Heat and Mass Transfer</i> , 2022 , 130, 105736 | 5.8 | 7 |
| 157 | Flow Analysis of Two-Layer Nano/Johnson-Segalman Fluid in a Blood Vessel-like Tube with Complex Peristaltic Wave. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-18 | 1.1 | 1 |
| 156 | Electromagnetic Flow of SWCNT/MWCNT Suspensions in Two Immiscible Water- and Engine-Oil-Based Newtonian Fluids through Porous Media. <i>Symmetry</i> , 2022 , 14, 406 | 2.7 | 8 |
| 155 | Effects of Magnetohydrodynamics Flow on Multilayer Coatings of Newtonian and Non-Newtonian Fluids through Porous Inclined Rotating Channel. <i>Coatings</i> , 2022 , 12, 430 | 2.9 | 6 |
| 154 | A study of heat and mass transfer of Non-Newtonian fluid with surface chemical reaction. <i>Journal of the Indian Chemical Society</i> , 2022 , 99, 100434 | | 1 |
| 153 | Analysis of sensitivity of thermal conductivity and variable viscosity on wall heat flux in flow of viscous fluid over a porous wedge. <i>International Communications in Heat and Mass Transfer</i> , 2022 , 135, 106104 | 5.8 | 0 |
| 152 | Evaluation of Magnetohydrodynamics of Natural Convective Heat Flow over Circular Cylinder Saturated by Nanofluid with Thermal Radiation and Heat Generation Effects. <i>Mathematics</i> , 2022 , 10, 1858 | 2.3 | 2 |
| 151 | Swimming of Gyrotactic Microorganism in MHD Williamson nanofluid flow between rotating circular plates embedded in porous medium: Application of thermal energy storage. <i>Journal of Energy Storage</i> , 2021 , 103511 | 7.8 | 36 |
| 150 | Sinusoidal motion of small particles through a Darcy-Brinkman-Forchheimer microchannel filled with non-Newtonian fluid under electro-osmotic forces. <i>Journal of Taibah University for Science</i> , 2021 , 15, 514-529 | 3 | 23 |
| 149 | Entropy Analysis on a Three-Dimensional Wavy Flow of Eyring-Bowen Nanofluid: A Comparative Study. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-14 | 1.1 | 3 |
| 148 | Analytical Solutions for Two Mixed Initial-Boundary Value Problems Corresponding to Unsteady Motions of Maxwell Fluids through a Porous Plate Channel. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-13 | 1.1 | 3 |
| 147 | Energy analysis of non-Newtonian nanofluid flow over parabola of revolution on the horizontal surface with catalytic chemical reaction. <i>Heat Transfer</i> , 2021 , 50, 6189-6209 | 3.1 | 7 |
| 146 | Non-uniform pumping flow model for the couple stress particle-fluid under magnetic effects. <i>Chemical Engineering Communications</i> , 2021 , 1-12 | 2.2 | 10 |
| 145 | Thermal analysis of peristaltic flow of nanosized particles within a curved channel with second-order partial slip and porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 1997-2009 | 4.1 | 37 |

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| 144 | Optimal thermal performance of magneto-nanofluid flow in expanding/contracting channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 2189-2201 | 4.1 | 7 |
| 143 | Thermal and mechanical design of tangential hybrid microchannel and high-conductivity inserts for cooling of disk-shaped electronic components. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 2125-2133 | 4.1 | 25 |
| 142 | Thermal analysis of radiative bioconvection magnetohydrodynamic flow comprising gyrotactic microorganism with activation energy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 2545-2556 | 4.1 | 11 |
| 141 | Entropy generation and MHD analysis of a nanofluid with peristaltic three dimensional cylindrical enclosures. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021 , 31, 2698-2714 | 4.5 | 16 |
| 140 | On the effects of chemical reaction on controlled heat and mass transfer in magnetized non-Newtonian biofluid through a long rectangular tunnel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 2637-2646 | 4.1 | 4 |
| 139 | Recent Advances in Multiphase Flows in Engineering. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-3 | 1.1 | |
| 138 | Parametric analysis and minimization of entropy generation in bioinspired magnetized non-Newtonian nanofluid pumping using artificial neural networks and particle swarm optimization. <i>Thermal Science and Engineering Progress</i> , 2021 , 24, 100930 | 3.6 | 10 |
| 137 | Electroosmosis-modulated bio-flow of nanofluid through a rectangular peristaltic pump induced by complex traveling wave with zeta potential and heat source. <i>Electrophoresis</i> , 2021 , 42, 2143-2153 | 3.6 | 1 |
| 136 | Bioconvection Reiner-Rivlin Nanofluid Flow between Rotating Circular Plates with Induced Magnetic Effects, Activation Energy and Squeezing Phenomena. <i>Mathematics</i> , 2021 , 9, 2139 | 2.3 | 14 |
| 135 | Numerical simulation and modeling of a poroelastic media for detection and discrimination of geo-fluids using finite difference method. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 3447-3447 | 6.1 | 1 |
| 134 | Numerical investigation of MHD radiative heat and mass transfer of nanofluid flow towards a vertical wavy surface with viscous dissipation and Joule heating effects using Keller-box method. <i>Mathematics and Computers in Simulation</i> , 2021 , 190, 1080-1109 | 3.3 | 16 |
| 133 | Insight into the Dynamics of Oldroyd-B Fluid Over an Upper Horizontal Surface of a Paraboloid of Revolution Subject to Chemical Reaction Dependent on the First-Order Activation Energy. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 6039-6048 | 2.5 | 14 |
| 132 | Analysis of Arrhenius Kinetics on Multiphase Flow between a Pair of Rotating Circular Plates. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-17 | 1.1 | 42 |
| 131 | Flow analysis of biconvective heat and mass transfer of two-dimensional couple stress fluid over a paraboloid of revolution. <i>International Journal of Modern Physics B</i> , 2020 , 34, 2050110 | 1.1 | 38 |
| 130 | Highly Sensitive Microsensor Based on Absorption Spectroscopy: Design Considerations for Optical Receiver. <i>IEEE Access</i> , 2020 , 8, 100212-100225 | 3.5 | 4 |
| 129 | Numerical Modelling for Nanoparticle Thermal Migration with Effects of Shape of Particles and Magnetic Field Inside a Porous Enclosure. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2020 , 45, 801 | 1.2 | 11 |
| 128 | Buoyancy Driven Flow with Gas-Liquid Coatings of Peristaltic Bubbly Flow in Elastic Walls. <i>Coatings</i> , 2020 , 10, 115 | 2.9 | 20 |
| 127 | Automatization analysis of the extremely sensitive laser-based dual-mode biomedical sensor. <i>Lasers in Medical Science</i> , 2020 , 35, 1531-1542 | 3.1 | 9 |

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| 126 | Effects of magnetic Reynolds number on swimming of gyrotactic microorganisms between rotating circular plates filled with nanofluids. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020 , 41, 637-654 | 3.2 | 77 |
| 125 | HEAT TRANSFER IN MAGNETITE (Fe ₃ O ₄) NANOPARTICLES SUSPENDED IN CONVENTIONAL FLUIDS: REFRIGERANT-134A (C ₂ H ₂ F ₄), KEROSENE (C ₁₀ H ₂₂), AND WATER (H ₂ O) UNDER THE IMPACT OF DIPOLE. <i>Heat Transfer Research</i> , 2020 , 51, 217-232 | 3.9 | 32 |
| 124 | FLOW OF NONSPHERICAL NANOPARTICLES IN ELECTROMAGNETOHYDRODYNAMICS OF NANOFLUIDS THROUGH A POROUS MEDIUM BETWEEN ECCENTRIC CYLINDERS. <i>Journal of Porous Media</i> , 2020 , 23, 1201-1212 | 2.9 | 5 |
| 123 | Concentration Flux Dependent on Radiative MHD Casson Flow with Arrhenius Activation Energy: Homotopy Analysis Method (HAM) with an Evolutionary Algorithm. <i>International Journal of Heat and Technology</i> , 2020 , 38, 785-793 | 2.2 | 7 |
| 122 | Biologically inspired transport of solid spherical nanoparticles in an electrically-conducting viscoelastic fluid with heat transfer. <i>Thermal Science</i> , 2020 , 24, 1251-1260 | 1.2 | 4 |
| 121 | Effects of Double Diffusion Convection on Third Grade Nanofluid through a Curved Compliant Peristaltic Channel. <i>Coatings</i> , 2020 , 10, 154 | 2.9 | 36 |
| 120 | Dual mode spectroscopic biomedical sensor: Technical considerations for the wireless testbed*. <i>Physica Scripta</i> , 2020 , 95, 105206 | 2.6 | 1 |
| 119 | Analysis of chemically reactive species with mixed convection and Darcy-Borchheimer flow under activation energy: a novel application for geothermal reservoirs. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 2357-2367 | 4.1 | 10 |
| 118 | Mathematical Analysis on an Asymmetrical Wavy Motion of Blood under the Influence Entropy Generation with Convective Boundary Conditions. <i>Symmetry</i> , 2020 , 12, 102 | 2.7 | 40 |
| 117 | Peristaltic propulsion of Jeffrey nano-liquid and heat transfer through a symmetrical duct with moving walls in a porous medium. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 545, 123788 | 3.3 | 55 |
| 116 | Magnetized peristaltic particle-fluid propulsion with Hall and ion slip effects through a permeable channel. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 550, 123999 | 3.3 | 13 |
| 115 | Numerical investigation on activation energy of chemically reactive heat transfer unsteady flow with multiple slips. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020 , 30, 4955-4977 | 4.5 | 7 |
| 114 | Simulation of cavitation of spherically shaped hydrogen bubbles through a tube nozzle with stenosis. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020 , 30, 2535-2549 | 4.5 | 11 |
| 113 | Numerical analysis of unsteady flow of three-dimensional Williamson fluid-particle suspension with MHD and nonlinear thermal radiations. <i>European Physical Journal Plus</i> , 2020 , 135, 1 | 3.1 | 21 |
| 112 | Analytical and Numerical Study of Weibel Instability in Non-thermal Plasma. <i>Brazilian Journal of Physics</i> , 2020 , 50, 788-793 | 1.2 | |
| 111 | Swimming of Motile Gyrotactic Microorganisms and Nanoparticles in Blood Flow Through Anisotropically Tapered Arteries. <i>Frontiers in Physics</i> , 2020 , 8, | 3.9 | 95 |
| 110 | Two-Phase Couette Flow of Couple Stress Fluid with Temperature Dependent Viscosity Thermally Affected by Magnetized Moving Surface. <i>Symmetry</i> , 2019 , 11, 647 | 2.7 | 42 |
| 109 | Metachronal propulsion of a magnetised particle-fluid suspension in a ciliated channel with heat and mass transfer. <i>Physica Scripta</i> , 2019 , 94, 115301 | 2.6 | 47 |

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| 108 | Heat transfer enhancement in hydromagnetic alumina/copper/water hybrid nanofluid flow over a stretching cylinder. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 1127-1136 | 4.1 | 70 |
| 107 | A study of gravitational and magnetic effects on coupled stress bi-phase liquid suspended with crystal and Hafnium particles down in steep channel. <i>Journal of Molecular Liquids</i> , 2019 , 286, 110898 | 6 | 32 |
| 106 | Numerical study of Darcy-Forchheimer model with activation energy subject to chemically reactive species and momentum slip of order two. <i>AIP Advances</i> , 2019 , 9, 045035 | 1.5 | 19 |
| 105 | Thermally Charged MHD Bi-Phase Flow Coatings with Non-Newtonian Nanofluid and Hafnium Particles along Slippery Walls. <i>Coatings</i> , 2019 , 9, 300 | 2.9 | 60 |
| 104 | Heat transfer analysis of magneto-Eyring-Powell fluid over a nonlinear stretching surface with multiple slip effects: Application of Roseland heat flux. <i>Canadian Journal of Physics</i> , 2019 , 97, 1253-1261 | 1.1 | 12 |
| 103 | Effects of Radiative Electro-Magnetohydrodynamics Diminishing Internal Energy of Pressure-Driven Flow of Titanium Dioxide-Water Nanofluid due to Entropy Generation. <i>Entropy</i> , 2019 , 21, | 2.8 | 72 |
| 102 | Numerical Analysis of Unsteady Magneto-Biphase Williamson Fluid Flow with Time Dependent Magnetic Field. <i>Communications in Theoretical Physics</i> , 2019 , 71, 143 | 2.4 | 17 |
| 101 | Peristaltic Blood Flow of Couple Stress Fluid Suspended with Nanoparticles under the Influence of Chemical Reaction and Activation Energy. <i>Symmetry</i> , 2019 , 11, 276 | 2.7 | 105 |
| 100 | Effects of coagulation on the two-phase peristaltic pumping of magnetized prandtl biofluid through an endoscopic annular geometry containing a porous medium. <i>Chinese Journal of Physics</i> , 2019 , 58, 222-234 | 3.5 | 86 |
| 99 | A comparative study on magnetic and non-magnetic particles in nanofluid propagating over a wedge. <i>Canadian Journal of Physics</i> , 2019 , 97, 277-285 | 1.1 | 48 |
| 98 | Hydromagnetic transport of iron nanoparticle aggregates suspended in water. <i>Indian Journal of Physics</i> , 2019 , 93, 53-59 | 1.4 | 5 |
| 97 | Analysis of natural convective flow of non-Newtonian fluid under the effects of nanoparticles of different materials. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2019 , 233, 643-652 | 1.5 | 25 |
| 96 | Numerical investigation of the unsteady solid-particle flow of a tangent hyperbolic fluid with variable thermal conductivity and convective boundary. <i>European Physical Journal Plus</i> , 2019 , 134, 1 | 3.1 | 26 |
| 95 | Influence of rotating magnetic field on Maxwell saturated ferrofluid flow over a heated stretching sheet with heat generation/absorption. <i>Mechanics and Industry</i> , 2019 , 20, 502 | 0.8 | 10 |
| 94 | Numerical study of heat transfer and Hall current impact on peristaltic propulsion of particle-fluid suspension with compliant wall properties. <i>Modern Physics Letters B</i> , 2019 , 33, 1950439 | 1.6 | 113 |
| 93 | Heat transfer analysis in magnetohydrodynamic flow of solid particles in non-Newtonian Ree-Eyring fluid due to peristaltic wave in a channel. <i>Thermal Science</i> , 2019 , 23, 1017-1026 | 1.2 | 10 |
| 92 | Effects of External Magnetic Field on non-Newtonian Two Phase Fluid in an Annulus with Peristaltic Pumping. <i>Journal of Magnetism</i> , 2019 , 24, 62-69 | 1.9 | 13 |
| 91 | Impact of Magnetic Field and Second-Order Slip Flow of Casson Liquid with Heat Transfer Subject to Suction/Injection and Convective Boundary Condition. <i>Journal of Magnetism</i> , 2019 , 24, 81-89 | 1.9 | 11 |

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| 90 | Magneto-hydrodynamics of a solid-liquid two-phase fluid in rotating channel due to peristaltic wavy movement. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 2501-2516 | 4.5 | 15 |
| 89 | Numerical study on bi-phase coupled stress fluid in the presence of Hafnium and metallic nanoparticles over an inclined plane. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 2854-2869 | 4.5 | 48 |
| 88 | Convective radiative plane Poiseuille flow of nanofluid through porous medium with slip: An application of Stefan blowing. <i>Journal of Molecular Liquids</i> , 2019 , 273, 292-304 | 6 | 180 |
| 87 | Vibration analysis of carbon nanotubes based on cylindrical shell by inducing Winkler and Pasternak foundations. <i>Mechanics of Advanced Materials and Structures</i> , 2019 , 26, 1140-1145 | 1.8 | 2 |
| 86 | Analysis of magnetic properties of nanoparticles due to applied magnetic dipole in aqueous medium with momentum slip condition. <i>Neural Computing and Applications</i> , 2019 , 31, 189-197 | 4.8 | 14 |
| 85 | Mathematical modeling of heat and mass transfer effects on MHD peristaltic propulsion of two-phase flow through a Darcy-Brinkman-Forchheimer porous medium. <i>Advanced Powder Technology</i> , 2018 , 29, 1189-1197 | 4.6 | 109 |
| 84 | Interaction between blood and solid particles propagating through a capillary with slip effects. <i>Microvascular Research</i> , 2018 , 119, 38-46 | 3.7 | 10 |
| 83 | Numerical simulation of Fe ₃ O ₄ -water nanofluid flow in a non-Darcy porous media. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018 , 28, 641-660 | 4.5 | 42 |
| 82 | Analysis of activation energy in Couette-Poiseuille flow of nanofluid in the presence of chemical reaction and convective boundary conditions. <i>Results in Physics</i> , 2018 , 8, 502-512 | 3.7 | 126 |
| 81 | Hydromagnetic solid-liquid pulsatile flow through concentric cylinders in a porous medium. <i>Journal of Visualization</i> , 2018 , 21, 407-419 | 1.6 | 6 |
| 80 | Heat transfer analysis in ferromagnetic viscoelastic fluid flow over a stretching sheet with suction. <i>Neural Computing and Applications</i> , 2018 , 30, 1947-1955 | 4.8 | 77 |
| 79 | Peristaltic propulsion of particulate non-Newtonian Ree-Eyring fluid in a duct through constant magnetic field. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 1055-1060 | 6.1 | 18 |
| 78 | Hydromagnetic nanofluid flow past a stretching cylinder embedded in non-Darcian Forchheimer porous media. <i>Neural Computing and Applications</i> , 2018 , 30, 3479-3489 | 4.8 | 18 |
| 77 | Convective Poiseuille flow of Al ₂ O ₃ -EG nanofluid in a porous wavy channel with thermal radiation. <i>Neural Computing and Applications</i> , 2018 , 30, 3371-3382 | 4.8 | 40 |
| 76 | Effects of iron nanoparticles shape on convective flow of ferrofluid under highly oscillating magnetic field over stretchable rotating disk. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 465, 531-539 | 2.8 | 40 |
| 75 | Mathematical Models of Electro-Magnetohydrodynamic Multiphase Flows Synthesis with Nano-Sized Hafnium Particles. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 275 | 2.6 | 59 |
| 74 | Modelling study on heated couple stress fluid peristaltically conveying gold nanoparticles through coaxial tubes: A remedy for gland tumors and arthritis. <i>Journal of Molecular Liquids</i> , 2018 , 268, 149-155 | 6 | 43 |
| 73 | Control volume based finite element simulation of magnetic nanofluid flow and heat transport in non-Darcy medium. <i>Journal of Molecular Liquids</i> , 2018 , 268, 354-364 | 6 | 28 |

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| 72 | Electroosmotic Flow of MHD Power Law Al ₂ O ₃ -PVC Nanofluid in a Horizontal Channel: Couette-Poiseuille Flow Model. <i>Communications in Theoretical Physics</i> , 2018 , 69, 655 | 2.4 | 74 |
| 71 | Mixed convection flow and heat transfer in ferromagnetic fluid over a stretching sheet with partial slip effects. <i>Thermal Science</i> , 2018 , 22, 2515-2526 | 1.2 | 8 |
| 70 | Convective heat transfer in a dusty ferromagnetic fluid over a stretching surface with prescribed surface temperature/heat flux including heat source/sink. <i>Journal of the National Science Foundation of Sri Lanka</i> , 2018 , 46, 399 | 1.6 | 5 |
| 69 | Simultaneous Effects of Slip and Wall Stretching/Shrinking on Radiative Flow of Magneto Nanofluid Through Porous Medium. <i>Journal of Magnetism</i> , 2018 , 23, 491-498 | 1.9 | 12 |
| 68 | Analytical study on liquid-solid particles interaction in the presence of heat and mass transfer through a wavy channel. <i>Journal of Molecular Liquids</i> , 2018 , 250, 80-87 | 6 | 81 |
| 67 | Analysis of magnetohydrodynamics peristaltic transport of hydrogen bubble in water. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 979-985 | 6.7 | 9 |
| 66 | Thermally developed peristaltic propulsion of magnetic solid particles in biorheological fluids. <i>Indian Journal of Physics</i> , 2018 , 92, 423-430 | 1.4 | 46 |
| 65 | Modelling Study on Internal Energy Loss Due to Entropy Generation for Non-Darcy Poiseuille Flow of Silver-Water Nanofluid: An Application of Purification. <i>Entropy</i> , 2018 , 20, | 2.8 | 37 |
| 64 | Mass Transport with Asymmetric Peristaltic Propulsion Coated with Synovial Fluid. <i>Coatings</i> , 2018 , 8, 407 | 2.9 | 8 |
| 63 | Study of Shiny Film Coating on Multi-Fluid Flows of a Rotating Disk Suspended with Nano-Sized Silver and Gold Particles: A Comparative Analysis. <i>Coatings</i> , 2018 , 8, 422 | 2.9 | 51 |
| 62 | Flow analysis of particulate suspension on an asymmetric peristaltic motion in a curved configuration with heat and mass transfer. <i>Mechanics and Industry</i> , 2018 , 19, 401 | 0.8 | 7 |
| 61 | Analysis of activation energy in magnetohydrodynamic flow with chemical reaction and second order momentum slip model. <i>Case Studies in Thermal Engineering</i> , 2018 , 12, 765-773 | 5.6 | 19 |
| 60 | Effect of electro-osmosis and mixed convection on nano-bio-fluid with non-spherical particles in a curved channel. <i>Mechanics and Industry</i> , 2018 , 19, 108 | 0.8 | 7 |
| 59 | The Sustainable Characteristic of Bio-Bi-Phase Flow of Peristaltic Transport of MHD Jeffrey Fluid in the Human Body. <i>Sustainability</i> , 2018 , 10, 2671 | 3.6 | 65 |
| 58 | Structural impact of kerosene-Al ₂ O ₃ nanofluid on MHD Poiseuille flow with variable thermal conductivity: Application of cooling process. <i>Journal of Molecular Liquids</i> , 2018 , 264, 607-615 | 6 | 127 |
| 57 | HEAT AND MASS TRANSFER ANALYSIS ON PERISTALTIC FLOW OF PARTICLE-FLUID SUSPENSION WITH SLIP EFFECTS. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1750028 | 0.7 | 21 |
| 56 | Shape effect of nanosize particles in unsteady mixed convection flow of nanofluid over disk with entropy generation. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2017 , 231, 871-879 | 1.5 | 55 |
| 55 | Chemical reaction and heat transfer on boundary layer Maxwell Ferro-fluid flow under magnetic dipole with Soret and suction effects 2017 , 20, 1122-1128 | | 17 |

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| 54 | Heat and mass transfer of two-phase flow with Electric double layer effects induced due to peristaltic propulsion in the presence of transverse magnetic field. <i>Journal of Molecular Liquids</i> , 2017 , 230, 237-246 | 6 | 136 |
| 53 | Mathematical study of peristaltic propulsion of solid-liquid multiphase flow with a biorheological fluid as the base fluid in a duct. <i>Chinese Journal of Physics</i> , 2017 , 55, 1596-1604 | 3.5 | 23 |
| 52 | Hydromagnetic transport of dust particles in gas flow over an inclined plane with thermal radiation. <i>Results in Physics</i> , 2017 , 7, 1932-1939 | 3.7 | 3 |
| 51 | Analysis of flow and heat transfer in water based nanofluid due to magnetic field in a porous enclosure with constant heat flux using CVFEM. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017 , 320, 68-81 | 5.7 | 201 |
| 50 | Heat transfer and inclined magnetic field analysis on peristaltically induced motion of small particles. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017 , 39, 3259-3267 | 2 | 18 |
| 49 | Simultaneous effects of coagulation and variable magnetic field on peristaltically induced motion of Jeffrey nanofluid containing gyrotactic microorganism. <i>Microvascular Research</i> , 2017 , 110, 32-42 | 3.7 | 154 |
| 48 | Entropy Analysis on Electro-Kinetically Modulated Peristaltic Propulsion of Magnetized Nanofluid Flow through a Microchannel. <i>Entropy</i> , 2017 , 19, 481 | 2.8 | 63 |
| 47 | Heat transfer with thermal radiation on MHD particle-fluid suspension induced by metachronal wave 2017 , 89, 1 | | 31 |
| 46 | Effects on heat transfer of multiphase magnetic fluid due to circular magnetic field over a stretching surface with heat source/sink and thermal radiation. <i>Results in Physics</i> , 2017 , 7, 3353-3360 | 3.7 | 14 |
| 45 | Hydromagnetic Blood Flow of Sisko Fluid in a Non-uniform Channel Induced by Peristaltic Wave. <i>Communications in Theoretical Physics</i> , 2017 , 68, 103 | 2.4 | 9 |
| 44 | Optimal solution of integro-differential equation of Suspension Bridge Model using Genetic Algorithm and Nelder-Mead methodPeer review under responsibility of University of Bahrain.View all notes. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2017 , 24, 310-314 | | 3 |
| 43 | Electromagnetohydrodynamic transport of Al ₂ O ₃ nanoparticles in ethylene glycol over a convectively heated stretching cylinder. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401773528 | 1.2 | 8 |
| 42 | Particle shape effects on ferrofluids flow and heat transfer under influence of low oscillating magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 443, 36-44 | 2.8 | 116 |
| 41 | Shape effects of spherical and nonspherical nanoparticles in mixed convection flow over a vertical stretching permeable sheet. <i>Mechanics of Advanced Materials and Structures</i> , 2017 , 24, 1231-1238 | 1.8 | 33 |
| 40 | Influence of magnetohydrodynamics on metachronal wave of particle-fluid suspension due to cilia motion 2017 , 20, 265-271 | | 7 |
| 39 | Mathematical modelling of nonlinear thermal radiation effects on EMHD peristaltic pumping of viscoelastic dusty fluid through a porous medium duct 2017 , 20, 1129-1139 | | 40 |
| 38 | Electromagnetohydrodynamic (EMHD) peristaltic flow of solid particles in a third-grade fluid with heat transfer. <i>Mechanics and Industry</i> , 2017 , 18, 314 | 0.8 | 23 |
| 37 | Impact of Cattaneo-Christov Heat Flux Model on the Flow of Maxwell Ferromagnetic Liquid Along a Cold Flat Plate Embedded with Two Equal Magnetic Dipoles. <i>Journal of Magnetism</i> , 2017 , 22, 472-477 | 1.9 | 11 |

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| 36 | The shape effects of nanoparticles suspended in HFE-7100 over wedge with entropy generation and mixed convection. <i>Applied Nanoscience (Switzerland)</i> , 2016 , 6, 641-651 | 3.3 | 157 |
| 35 | Unsteady ferromagnetic liquid flow and heat transfer analysis over a stretching sheet with the effect of dipole and prescribed heat flux. <i>Journal of Molecular Liquids</i> , 2016 , 223, 528-533 | 6 | 101 |
| 34 | Endoscope analysis on peristaltic blood flow of Sisko fluid with Titanium magneto-nanoparticles. <i>Computers in Biology and Medicine</i> , 2016 , 78, 29-41 | 7 | 103 |
| 33 | Study of Heat Transfer with Nonlinear Thermal Radiation on Sinusoidal Motion of Magnetic Solid Particles in a Dusty Fluid. <i>Journal of Theoretical and Applied Mechanics (Bulgaria)</i> , 2016 , 46, 75-94 | 5.8 | 42 |
| 32 | Convective heat transfer of nanofluid in a wavy channel: Buongiorno's mathematical model. <i>Journal of Molecular Liquids</i> , 2016 , 222, 446-455 | 6 | 160 |
| 31 | Heat transfer analysis of Jeffery fluid flow over a stretching sheet with suction/injection and magnetic dipole effect. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 2171-2181 | 6.1 | 46 |
| 30 | Analytic study of heat transfer with variable viscosity on solid particle motion in dusty Jeffery fluid. <i>Modern Physics Letters B</i> , 2016 , 30, 1650196 | 1.6 | 35 |
| 29 | Melting heat transfer in an axisymmetric stagnation-point flow of the Jeffrey fluid. <i>Journal of Applied Mechanics and Technical Physics</i> , 2016 , 57, 308-316 | 0.6 | 8 |
| 28 | Effect of magnetic dipole on viscous ferro-fluid past a stretching surface with thermal radiation. <i>Journal of Molecular Liquids</i> , 2016 , 215, 549-554 | 6 | 243 |
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