

Saeed Islam

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267
papers

4,759
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285
ext. papers

6,036
ext. citations

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avg, IF

6.64
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 267 | The electrical MHD and Hall current impact on micropolar nanofluid flow between rotating parallel plates. <i>Results in Physics</i> , 2018 , 9, 1201-1214 | 3.7 | 141 |
| 266 | Fractional Neuro-Sequential ARFIMA-LSTM for Financial Market Forecasting. <i>IEEE Access</i> , 2020 , 8, 71326-71338 | 3.9 | 121 |
| 265 | Radiative Heat and Mass Transfer Analysis of Micropolar Nanofluid Flow of Casson Fluid Between Two Rotating Parallel Plates With Effects of Hall Current. <i>Journal of Heat Transfer</i> , 2019 , 141, | 1.8 | 117 |
| 264 | Magnetohydrodynamic Nanoliquid Thin Film Sprayed on a Stretching Cylinder with Heat Transfer. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 271 | 2.6 | 87 |
| 263 | Thin film flow of a second grade fluid in a porous medium past a stretching sheet with heat transfer. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 1019-1031 | 6.1 | 69 |
| 262 | Three dimensional third grade nanofluid flow in a rotating system between parallel plates with Brownian motion and thermophoresis effects. <i>Results in Physics</i> , 2018 , 10, 36-45 | 3.7 | 66 |
| 261 | Mixed convection in gravity-driven thin film non-Newtonian nanofluids flow with gyrotactic microorganisms. <i>Results in Physics</i> , 2017 , 7, 4033-4049 | 3.7 | 61 |
| 260 | Thermophoresis and thermal radiation with heat and mass transfer in a magnetohydrodynamic thin-film second-grade fluid of variable properties past a stretching sheet. <i>European Physical Journal Plus</i> , 2017 , 132, 1 | 3.1 | 59 |
| 259 | Impact of thermal radiation on electrical MHD rotating flow of Carbon nanotubes over a stretching sheet. <i>AIP Advances</i> , 2019 , 9, 015115 | 1.5 | 59 |
| 258 | Numerical investigation for rotating flow of MHD hybrid nanofluid with thermal radiation over a stretching sheet. <i>Scientific Reports</i> , 2020 , 10, 18533 | 4.9 | 59 |
| 257 | Slip flow of Eyring-Powell nanoliquid film containing graphene nanoparticles. <i>AIP Advances</i> , 2018 , 8, 115302 | 3.9 | 59 |
| 256 | A stochastic numerical analysis based on hybrid NAR-RBFs networks nonlinear SITR model for novel COVID-19 dynamics. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 202, 105973 | 6.9 | 58 |
| 255 | Design of a hybrid NAR-RBFs neural network for nonlinear dusty plasma system. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 3325-3345 | 6.1 | 56 |
| 254 | Three-dimensional rotating flow of MHD single wall carbon nanotubes over a stretching sheet in presence of thermal radiation. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 1361-1378 | 3.3 | 55 |
| 253 | Brownian Motion and Thermophoresis Effects on MHD Mixed Convective Thin Film Second-Grade Nanofluid Flow with Hall Effect and Heat Transfer Past a Stretching Sheet. <i>Journal of Nanofluids</i> , 2017 , 6, 812-829 | 2.2 | 55 |
| 252 | Darcy-Forchheimer flow of radiative carbon nanotubes with microstructure and inertial characteristics in the rotating frame. <i>Case Studies in Thermal Engineering</i> , 2018 , 12, 823-832 | 5.6 | 55 |
| 251 | The Combined Magneto Hydrodynamic and Electric Field Effect on an Unsteady Maxwell Nanofluid Flow over a Stretching Surface under the Influence of Variable Heat and Thermal Radiation. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 160 | 2.6 | 54 |

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| 250 | A study of changes in temperature profile of porous fin model using cuckoo search algorithm. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 11-24 | 6.1 | 54 |
| 249 | Radiative MHD thin film flow of Williamson fluid over an unsteady permeable stretching sheet. <i>Heliyon</i> , 2018 , 4, e00825 | 3.6 | 53 |
| 248 | Simulation of bioconvection in the suspension of second grade nanofluid containing nanoparticles and gyrotactic microorganisms. <i>AIP Advances</i> , 2018 , 8, 105210 | 1.5 | 52 |
| 247 | Cattaneo-Christov model for electrical magnetite micropolar Casson ferrofluid over a stretching/shrinking sheet using effective thermal conductivity model. <i>Case Studies in Thermal Engineering</i> , 2019 , 13, 100352 | 5.6 | 48 |
| 246 | Darcy-Forchheimer flow of MHD nanofluid thin film flow with Joule dissipation and Navier's partial slip. <i>Journal of Physics Communications</i> , 2018 , 2, 115014 | 1.2 | 48 |
| 245 | Magnetohydrodynamic second-grade nanofluid flow containing nanoparticles and gyrotactic microorganisms. <i>Computational and Applied Mathematics</i> , 2018 , 37, 6332-6358 | | 48 |
| 244 | Entropy Generation in MHD Radiative Flow of CNTs Casson Nanofluid in Rotating Channels with Heat Source/Sink. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-14 | 1.1 | 47 |
| 243 | Entropy Generation on Nanofluid Thin Film Flow of Eyring-Powell Fluid with Thermal Radiation and MHD Effect on an Unsteady Porous Stretching Sheet. <i>Entropy</i> , 2018 , 20, | 2.8 | 47 |
| 242 | Design of Neural Network With Levenberg-Marquardt and Bayesian Regularization Backpropagation for Solving Pantograph Delay Differential Equations. <i>IEEE Access</i> , 2020 , 8, 137918-137933 | 3.5 | 47 |
| 241 | The Rotating Flow of Magneto Hydrodynamic Carbon Nanotubes over a Stretching Sheet with the Impact of Non-Linear Thermal Radiation and Heat Generation/Absorption. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 482 | 2.6 | 46 |
| 240 | Neuro-fuzzy modeling and prediction of summer precipitation with application to different meteorological stations. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 101-116 | 6.1 | 46 |
| 239 | Impact of Nonlinear Thermal Radiation on MHD Nanofluid Thin Film Flow over a Horizontally Rotating Disk. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1533 | 2.6 | 45 |
| 238 | Flow and heat transfer in water based liquid film fluids dispensed with graphene nanoparticles. <i>Results in Physics</i> , 2018 , 8, 1143-1157 | 3.7 | 45 |
| 237 | Darcy Forchheimer nanofluid thin film flow of SWCNTs and heat transfer analysis over an unsteady stretching sheet. <i>AIP Advances</i> , 2019 , 9, 015223 | 1.5 | 44 |
| 236 | A theoretical model for Zika virus transmission. <i>PLoS ONE</i> , 2017 , 12, e0185540 | 3.7 | 43 |
| 235 | Entropy Generation in MHD Mixed Convection Non-Newtonian Second-Grade Nanoliquid Thin Film Flow through a Porous Medium with Chemical Reaction and Stratification. <i>Entropy</i> , 2019 , 21, | 2.8 | 42 |
| 234 | Influence of Inclined Magnetic Field on Carreau Nanoliquid Thin Film Flow and Heat Transfer with Graphene Nanoparticles. <i>Energies</i> , 2019 , 12, 1459 | 3.1 | 40 |
| 233 | Complex dynamics of an SEIR epidemic model with saturated incidence rate and treatment. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 493, 210-227 | 3.3 | 40 |

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| 232 | Nanofluids Thin Film Flow of Reiner-Philippoff Fluid over an Unstable Stretching Surface with Brownian Motion and Thermophoresis Effects. <i>Coatings</i> , 2019 , 9, 21 | 2.9 | 39 |
| 231 | Impact of Nonlinear Thermal Radiation and the Viscous Dissipation Effect on the Unsteady Three-Dimensional Rotating Flow of Single-Wall Carbon Nanotubes with Aqueous Suspensions. <i>Symmetry</i> , 2019 , 11, 207 | 2.7 | 39 |
| 230 | Dynamics of fractional order COVID-19 model with a case study of Saudi Arabia. <i>Results in Physics</i> , 2021 , 21, 103787 | 3.7 | 39 |
| 229 | Entropy Generation in MHD Eyring-Powell Fluid Flow over an Unsteady Oscillatory Porous Stretching Surface under the Impact of Thermal Radiation and Heat Source/Sink. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2588 | 2.6 | 39 |
| 228 | Hall Effect on Couple Stress 3D Nanofluid Flow Over an Exponentially Stretched Surface With Cattaneo Christov Heat Flux Model. <i>IEEE Access</i> , 2019 , 7, 64844-64855 | 3.5 | 38 |
| 227 | Three-Dimensional Casson Nanofluid Thin Film Flow over an Inclined Rotating Disk with the Impact of Heat Generation/Consumption and Thermal Radiation. <i>Coatings</i> , 2019 , 9, 248 | 2.9 | 36 |
| 226 | Homotopy perturbation analysis of slider bearing with Powell-Eyring fluid. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2009 , 60, 1178-1193 | 1.6 | 36 |
| 225 | A fractional order mathematical model for COVID-19 dynamics with quarantine, isolation, and environmental viral load. <i>Advances in Difference Equations</i> , 2021 , 2021, 106 | 3.6 | 36 |
| 224 | Study of two-dimensional boundary layer thin film fluid flow with variable thermo-physical properties in three dimensions space. <i>AIP Advances</i> , 2018 , 8, 105318 | 1.5 | 36 |
| 223 | Numerical analysis of 3-D MHD hybrid nanofluid over a rotational disk in presence of thermal radiation with Joule heating and viscous dissipation effects using Lobatto IIIA technique. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 3605-3619 | 6.1 | 36 |
| 222 | MHD Thin Film Flow and Thermal Analysis of Blood with CNTs Nanofluid. <i>Coatings</i> , 2019 , 9, 175 | 2.9 | 35 |
| 221 | Three-Dimensional Nanofluid Flow with Heat and Mass Transfer Analysis over a Linear Stretching Surface with Convective Boundary Conditions. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2244 | 2.6 | 35 |
| 220 | Unsteady squeezing flow of magnetohydrodynamic carbon nanotube nanofluid in rotating channels with entropy generation and viscous dissipation. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401882310 | 1.2 | 34 |
| 219 | Non-Newtonian nanoliquids thin-film flow through a porous medium with magnetotactic microorganisms. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 1523-1544 | 3.3 | 34 |
| 218 | Micropolar gold blood nanofluid flow and radiative heat transfer between permeable channels. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 186, 105197 | 6.9 | 33 |
| 217 | Modeling and simulation of the novel coronavirus in Caputo derivative. <i>Results in Physics</i> , 2020 , 19, 103588 | 3.7 | 32 |
| 216 | Entropy generation and thermal analysis for rotary motion of hydromagnetic Casson nanofluid past a rotating cylinder with Joule heating effect. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 119, 104979 | 5.8 | 31 |
| 215 | Hall current and thermophoresis effects on magnetohydrodynamic mixed convective heat and mass transfer thin film flow. <i>Journal of Physics Communications</i> , 2019 , 3, 035009 | 1.2 | 30 |

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| 214 | Iris recognition using image moments and k-means algorithm. <i>Scientific World Journal, The</i> , 2014 , 2014, 723595 | 2.2 | 30 |
| 213 | Gyrotactic bioconvection flow of a nanofluid past a vertical wavy surface. <i>International Journal of Thermal Sciences</i> , 2016 , 108, 244-250 | 4.1 | 29 |
| 212 | Effective Prandtl Number Model Influences on the $(\gamma_{Al_2O_3} H_2O)$ and $(\gamma_{Al_2O_3} C_2H_6O_2)$ Nanofluids Spray Along a Stretching Cylinder. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 1601-1616 | 2.5 | 29 |
| 211 | Thin Film Williamson Nanofluid Flow with Varying Viscosity and Thermal Conductivity on a Time-Dependent Stretching Sheet. <i>Applied Sciences (Switzerland)</i> , 2016 , 6, 334 | 2.6 | 28 |
| 210 | Entropy Generation of Carbon Nanotubes Flow in a Rotating Channel with Hall and Ion-Slip Effect Using Effective Thermal Conductivity Model. <i>Entropy</i> , 2019 , 21, | 2.8 | 28 |
| 209 | Darcy-Forchheimer MHD Couple Stress 3D Nanofluid over an Exponentially Stretching Sheet through Cattaneo-Christov Convective Heat Flux with Zero Nanoparticles Mass Flux Conditions. <i>Entropy</i> , 2019 , 21, 867 | 2.8 | 27 |
| 208 | Darcy-Forchheimer flow of MHD CNTs nanofluid radiative thermal behaviour and convective non uniform heat source/sink in the rotating frame with microstructure and inertial characteristics. <i>AIP Advances</i> , 2018 , 8, 125024 | 1.5 | 26 |
| 207 | Influence of Cattaneo-Christov Heat Flux on MHD Jeffrey, Maxwell, and Oldroyd-B Nanofluids with Homogeneous-Heterogeneous Reaction. <i>Symmetry</i> , 2019 , 11, 439 | 2.7 | 25 |
| 206 | Influences of Hall current and radiation on MHD micropolar non-Newtonian hybrid nanofluid flow between two surfaces. <i>AIP Advances</i> , 2020 , 10, 055015 | 1.5 | 25 |
| 205 | Darcy-Forchheimer MHD Hybrid Nanofluid Flow and Heat Transfer Analysis over a Porous Stretching Cylinder. <i>Coatings</i> , 2020 , 10, 391 | 2.9 | 25 |
| 204 | Three-dimensional magnetohydrodynamic (MHD) flow of Maxwell nanofluid containing gyrotactic micro-organisms with heat source/sink. <i>AIP Advances</i> , 2018 , 8, 085303 | 1.5 | 25 |
| 203 | Buoyancy effects on nanoliquids film flow through a porous medium with gyrotactic microorganisms and cubic autocatalysis chemical reaction. <i>Advances in Mechanical Engineering</i> , 2020 , 12, 168781401989751 | 1.2 | 25 |
| 202 | Modeling and analysis of the dynamics of novel coronavirus (COVID-19) with Caputo fractional derivative. <i>Results in Physics</i> , 2021 , 20, 103669 | 3.7 | 25 |
| 201 | Darcy-Forchheimer flow of micropolar nanofluid between two plates in the rotating frame with non-uniform heat generation/absorption. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401880885 | 1.2 | 25 |
| 200 | Wire coating analysis with Oldroyd 8-constant fluid by Optimal Homotopy Asymptotic Method. <i>Computers and Mathematics With Applications</i> , 2012 , 63, 695-707 | 2.7 | 24 |
| 199 | Design of intelligent computing networks for numerical treatment of thin film flow of Maxwell nanofluid over a stretched and rotating surface. <i>Surfaces and Interfaces</i> , 2021 , 24, 101107 | 4.1 | 24 |
| 198 | Radiative mixed convection flow of maxwell nanofluid over a stretching cylinder with joule heating and heat source/sink effects. <i>Scientific Reports</i> , 2020 , 10, 17823 | 4.9 | 23 |
| 197 | Entropy Generation and Heat Transfer Analysis in MHD Unsteady Rotating Flow for Aqueous Suspensions of Carbon Nanotubes with Nonlinear Thermal Radiation and Viscous Dissipation Effect. <i>Entropy</i> , 2019 , 21, | 2.8 | 22 |

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| 196 | Viscoelastic MHD Nanofluid Thin Film Flow over an Unsteady Vertical Stretching Sheet with Entropy Generation. <i>Processes</i> , 2019 , 7, 262 | 2.9 | 22 |
| 195 | Radiative flow of magneto hydrodynamics single-walled carbon nanotube over a convectively heated stretchable rotating disk with velocity slip effect. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401982771 | 1.2 | 22 |
| 194 | Transmission model of hepatitis B virus with the migration effect. <i>BioMed Research International</i> , 2013 , 2013, 150681 | 3 | 22 |
| 193 | Flow of a Nano-Liquid Film of Maxwell Fluid with Thermal Radiation and Magneto Hydrodynamic Properties on an Unstable Stretching Sheet. <i>Journal of Nanofluids</i> , 2017 , 6, 1021-1030 | 2.2 | 22 |
| 192 | A new Hepatitis B model in light of asymptomatic carriers and vaccination study through Atangana-Baleanu derivative. <i>Results in Physics</i> , 2021 , 29, 104603 | 3.7 | 22 |
| 191 | Three dimensional Darcy-Forchheimer radiated flow of single and multiwall carbon nanotubes over a rotating stretchable disk with convective heat generation and absorption. <i>AIP Advances</i> , 2019 , 9, 035031 | 1.5 | 21 |
| 190 | Cattaneo-Christov Heat Flux Model for Three-Dimensional Rotating Flow of SWCNT and MWCNT Nanofluid with Darcy-Forchheimer Porous Medium Induced by a Linearly Stretchable Surface. <i>Symmetry</i> , 2019 , 11, 331 | 2.7 | 21 |
| 189 | Global dynamics of SEIRS epidemic model with non-linear generalized incidences and preventive vaccination. <i>Advances in Difference Equations</i> , 2015 , 2015, | 3.6 | 21 |
| 188 | Media coverage campaign in Hepatitis B transmission model. <i>Applied Mathematics and Computation</i> , 2018 , 331, 378-393 | 2.7 | 21 |
| 187 | Impact of Thermal Radiation and Heat Source/Sink on Eyring-Bowell Fluid Flow over an Unsteady Oscillatory Porous Stretching Surface. <i>Mathematical and Computational Applications</i> , 2018 , 23, 20 | 1 | 20 |
| 186 | Unsteady MHD Thin Film Flow of an Oldroyd-B Fluid over an Oscillating Inclined Belt. <i>PLoS ONE</i> , 2015 , 10, e0126698 | 3.7 | 20 |
| 185 | Chemically reactive MHD micropolar nanofluid flow with velocity slips and variable heat source/sink. <i>Scientific Reports</i> , 2020 , 10, 20926 | 4.9 | 20 |
| 184 | Effects of Joule Heating and Viscous Dissipation on Magnetohydrodynamic Boundary Layer Flow of Jeffrey Nanofluid over a Vertically Stretching Cylinder. <i>Coatings</i> , 2021 , 11, 353 | 2.9 | 20 |
| 183 | Hall and Ion-Slip Effect on CNTs Nanofluid over a Porous Extending Surface through Heat Generation and Absorption. <i>Entropy</i> , 2019 , 21, | 2.8 | 19 |
| 182 | Numerical Treatment for Darcy-Forchheimer Flow of Sisko Nanomaterial with Nonlinear Thermal Radiation by Lobatto IIIA Technique. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-15 | 1.1 | 19 |
| 181 | CONTROL STRATEGIES of HEPATITIS B WITH THREE CONTROL VARIABLES. <i>Journal of Biological Systems</i> , 2018 , 26, 1-21 | 1.6 | 19 |
| 180 | Entropy Generation Optimization in Squeezing Magnetohydrodynamics Flow of Casson Nanofluid with Viscous Dissipation and Joule Heating Effect. <i>Entropy</i> , 2019 , 21, | 2.8 | 19 |
| 179 | Mathematical modeling and stability analysis of Pine Wilt Disease with optimal control. <i>Scientific Reports</i> , 2017 , 7, 3115 | 4.9 | 19 |

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| 178 | Thin film flow in MHD third grade fluid on a vertical belt with temperature dependent viscosity. <i>PLoS ONE</i> , 2014 , 9, e97552 | 3.7 | 19 |
| 177 | Exact solution of a differential equation arising in the wire coating analysis of an unsteady second grade fluid. <i>Mathematical and Computer Modelling</i> , 2013 , 57, 1284-1288 | | 19 |
| 176 | MHD Thin Film Flows of a Third Grade Fluid on a Vertical Belt with Slip Boundary Conditions. <i>Journal of Applied Mathematics</i> , 2013 , 2013, 1-14 | 1.1 | 19 |
| 175 | Effect of thermal radiation and MHD on non-Newtonian third grade fluid in wire coating analysis with temperature dependent viscosity. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 2101-2112 | 6.1 | 18 |
| 174 | Analysis of Magneto-hydrodynamics Flow and Heat Transfer of a Viscoelastic Fluid through Porous Medium in Wire Coating Analysis. <i>Mathematics</i> , 2017 , 5, 27 | 2.3 | 18 |
| 173 | Heat transfer analysis of MHD thin film flow of an unsteady second grade fluid past a vertical oscillating belt. <i>PLoS ONE</i> , 2014 , 9, e103843 | 3.7 | 18 |
| 172 | Joule heating in magnetohydrodynamic micropolar boundary layer flow past a stretching sheet with chemical reaction and microstructural slip. <i>Case Studies in Thermal Engineering</i> , 2021 , 25, 100870 | 5.6 | 18 |
| 171 | Numerical solutions for gyrotactic bioconvection of dusty nanofluid along a vertical isothermal surface. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 113, 229-236 | 4.9 | 17 |
| 170 | Hall effect on Titania nanofluids thin film flow and radiative thermal behavior with different base fluids on an inclined rotating surface. <i>AIP Advances</i> , 2019 , 9, 055113 | 1.5 | 17 |
| 169 | Investigation of singular ordinary differential equations by a neuroevolutionary approach. <i>PLoS ONE</i> , 2020 , 15, e0235829 | 3.7 | 17 |
| 168 | A mathematical analysis of Pine Wilt disease with variable population size and optimal control strategies. <i>Chaos, Solitons and Fractals</i> , 2018 , 108, 205-217 | 9.3 | 16 |
| 167 | Influence of MHD on Thermal Behavior of Darcy-Forchheimer Nanofluid Thin Film Flow over a Nonlinear Stretching Disc. <i>Coatings</i> , 2019 , 9, 446 | 2.9 | 16 |
| 166 | The dynamics of fractional order Hepatitis B virus model with asymptomatic carriers. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 3945-3955 | 6.1 | 16 |
| 165 | Study of Three dimensional Darcy-Forchheimer squeezing nanofluid flow with Cattaneo-Christov heat flux based on four different types of nanoparticles through entropy generation analysis. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401985130 | 1.2 | 15 |
| 164 | Numerical treatment for fluidic system of activation energy with non-linear mixed convective and radiative flow of magneto nanomaterials with Navier velocity slip. <i>AIP Advances</i> , 2019 , 9, 055210 | 1.5 | 15 |
| 163 | An optimal analysis for Darcy-Forchheimer three-dimensional Williamson nanofluid flow over a stretching surface with convective conditions. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401983351 ¹⁵ | 1.2 | 15 |
| 162 | Flow and heat transfer of two immiscible fluids in double-layer optical fiber coating 2016 , 13, 1055-1063 | | 15 |
| 161 | MHD Flow and Heat Transfer Analysis in the Wire Coating Process Using Elastic-Viscous. <i>Coatings</i> , 2017 , 7, 15 | 2.9 | 15 |

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| 160 | Application of Optimal Homotopy Asymptotic Method to Burger Equations. <i>Journal of Applied Mathematics</i> , 2013 , 2013, 1-8 | 1.1 | 15 |
| 159 | Mathematical modeling and study of MHD flow of Williamson nanofluid over a nonlinear stretching plate with activation energy. <i>Heat Transfer</i> , 2021 , 50, 2558-2570 | 3.1 | 15 |
| 158 | Influence of Brownian motion and thermophoresis parameters on silver-based Di-Hydrogen CNTs between two stretchable rotating disks. <i>Physica Scripta</i> , 2021 , 96, 055205 | 2.6 | 14 |
| 157 | Exact solution of non-Newtonian fluid motion between side walls. <i>Results in Physics</i> , 2018 , 11, 534-539 | 3.7 | 14 |
| 156 | Extending Petri net to reduce control strategies of railway interlocking system. <i>Applied Mathematical Modelling</i> , 2014 , 38, 413-424 | 4.5 | 13 |
| 155 | The optimal solution for the flow of a fourth-grade fluid with partial slip. <i>Computers and Mathematics With Applications</i> , 2011 , 61, 1507-1516 | 2.7 | 13 |
| 154 | An Axisymmetric Squeezing Fluid Flow between the Two Infinite Parallel Plates in a Porous Medium Channel. <i>Mathematical Problems in Engineering</i> , 2011 , 2011, 1-10 | 1.1 | 13 |
| 153 | Mathematical Modeling towards the Dynamical Interaction of Leptospirosis. <i>Applied Mathematics and Information Sciences</i> , 2014 , 8, 1049-1056 | 2.4 | 13 |
| 152 | A convective flow of Williamson nanofluid through cone and wedge with non-isothermal and non-isosolutal conditions: A revised Buongiorno model. <i>Case Studies in Thermal Engineering</i> , 2021 , 24, 100869 | 5.6 | 13 |
| 151 | New version of Optimal Homotopy Asymptotic Method for the solution of nonlinear boundary value problems in finite and infinite intervals. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 2811-2819 | 6.1 | 13 |
| 150 | Heat and Mass Transfer in Three-Dimensional Flow of an Oldroyd-B Nanofluid with Gyrotactic Micro-Organisms. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-15 | 1.1 | 13 |
| 149 | Optimal control & dynamical aspects of a stochastic pine wilt disease model. <i>Journal of the Franklin Institute</i> , 2019 , 356, 3991-4025 | 4 | 12 |
| 148 | Solution of steady thin film flow of JohnsonBegalman fluid on a vertical moving belt for lifting and drainage problems using Adomian Decomposition Method. <i>Applied Mathematics and Computation</i> , 2012 , 218, 10413-10428 | 2.7 | 12 |
| 147 | Heat transfer by laminar flow of an elastico-viscous fluid in posttreatment analysis of wire coating with linearly varying temperature along the coated wire. <i>Heat and Mass Transfer</i> , 2012 , 48, 903-914 | 2.2 | 12 |
| 146 | Numerical investigation of thin-film flow over a rotating disk subject to the heat source and nonlinear radiation: Lobatto IIIA approach. <i>Waves in Random and Complex Media</i> , 1-15 | 1.9 | 12 |
| 145 | Complexiton solutions for complex KdV equation by optimal Homotopy Asymptotic Method. <i>Filomat</i> , 2019 , 33, 6195-6211 | 0.7 | 12 |
| 144 | Soft computing paradigm for Ferrofluid by exponentially stretched surface in the presence of magnetic dipole and heat transfer. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , | 6.1 | 12 |
| 143 | Investigation of Two-Dimensional Viscoelastic Fluid with Nonuniform Heat Generation over Permeable Stretching Sheet with Slip Condition. <i>Complexity</i> , 2019 , 2019, 1-8 | 1.6 | 12 |

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| 142 | Characteristics of buoyancy force on stagnation point flow with magneto-nanoparticles and zero mass flux condition. <i>Results in Physics</i> , 2018 , 8, 160-168 | 3.7 | 12 |
| 141 | Q-Extension of Starlike Functions Subordinated with a Trigonometric Sine Function. <i>Mathematics</i> , 2020 , 8, 1676 | 2.3 | 11 |
| 140 | Thin-film flow of magnetohydrodynamic (MHD) Johnson-Begelman fluid on vertical surfaces using the Adomian decomposition method. <i>Applied Mathematics and Computation</i> , 2012 , 219, 3956-3974 | 2.7 | 11 |
| 139 | Few Exact Solutions of Non-Newtonian Fluid in Porous Medium with Hall Effect. <i>Journal of Porous Media</i> , 2008 , 11, 669-680 | 2.9 | 11 |
| 138 | Application of Arrhenius kinetics on MHD radiative Von Kármán Casson nanofluid flow occurring in a Darcy-Forchheimer porous medium in the presence of an adjustable heat source. <i>Physica Scripta</i> , | 2.6 | 11 |
| 137 | Magnetohydrodynamics thin film fluid flow under the effect of thermophoresis and variable fluid properties. <i>AIChE Journal</i> , 2017 , 63, 5149-5158 | 3.6 | 10 |
| 136 | Mathematical modeling approach to the transmission dynamics of pine wilt disease with saturated incidence rate. <i>International Journal of Biomathematics</i> , 2018 , 11, 1850035 | 1.8 | 10 |
| 135 | The Brownian and Thermophoretic Analysis of the Non-Newtonian Williamson Fluid Flow of Thin Film in a Porous Space over an Unstable Stretching Surface. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 404 | 2.6 | 10 |
| 134 | An evaluation framework and comparative analysis of the widely used first programming languages. <i>PLoS ONE</i> , 2014 , 9, e88941 | 3.7 | 10 |
| 133 | Solution of Boundary Layer Problems with Heat Transfer by Optimal Homotopy Asymptotic Method. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-10 | 0.7 | 10 |
| 132 | Homotopy analysis of Couette and Poiseuille flows for fourth grade fluids. <i>Acta Mechanica</i> , 2005 , 180, 117-132 | 2.1 | 10 |
| 131 | Heat transfer between two porous parallel plates of steady nano fluids with Brownian and Thermophoretic effects: A new stochastic numerical approach. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 126, 105436 | 5.8 | 10 |
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