

M Mamun Molla

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8558857/m-mamun-molla-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

83

papers

883

citations

17

h-index

25

g-index

96

ext. papers

1,094

ext. citations

2.6

avg, IF

4.61

L-index

#	Paper	IF	Citations
83	Natural convection flow along a vertical wavy surface with uniform surface temperature in presence of heat generation/absorption. <i>International Journal of Thermal Sciences</i> , 2004 , 43, 157-163	4.1	78
82	LES of non-Newtonian physiological blood flow in a model of arterial stenosis. <i>Medical Engineering and Physics</i> , 2012 , 34, 1079-87	2.4	59
81	Radiation effect on mixed convection laminar flow along a vertical wavy surface. <i>International Journal of Thermal Sciences</i> , 2007 , 46, 926-935	4.1	52
80	Large-Eddy simulation of pulsatile blood flow. <i>Medical Engineering and Physics</i> , 2009 , 31, 153-9	2.4	50
79	Natural convection flow from an isothermal horizontal circular cylinder in presence of heat generation. <i>International Journal of Engineering Science</i> , 2006 , 44, 949-958	5.7	38
78	Natural convection flow from an isothermal horizontal circular cylinder with temperature dependent viscosity. <i>Heat and Mass Transfer</i> , 2005 , 41, 594-598	2.2	35
77	Natural convection flow from a horizontal circular cylinder with uniform heat flux in presence of heat generation. <i>Applied Mathematical Modelling</i> , 2009 , 33, 3226-3236	4.5	24
76	Investigation of physiological pulsatile flow in a model arterial stenosis using large-eddy and direct numerical simulations. <i>Applied Mathematical Modelling</i> , 2012 , 36, 4393-4413	4.5	23
75	Magnetohydrodynamic natural convection flow on a sphere with uniform heat flux in presence of heat generation. <i>Acta Mechanica</i> , 2006 , 186, 75-86	2.1	23
74	Pulsatile Non-Newtonian Blood Flow through a Model of Arterial Stenosis. <i>Procedia Engineering</i> , 2013 , 56, 225-231		21
73	Non-Newtonian Fluid Flow on a Flat Plate Part 1: Boundary Layer. <i>Journal of Thermophysics and Heat Transfer</i> , 2008 , 22, 758-761	1.3	20
72	MHD natural convection and entropy generation of non-Newtonian ferrofluid in a wavy enclosure. <i>International Journal of Mechanical Sciences</i> , 2021 , 198, 106350	5.5	20
71	Pulsatile Non-Newtonian Laminar Blood Flows through Arterial Double Stenoses. <i>Journal of Fluids</i> , 2014 , 2014, 1-13		19
70	Radiation effect on natural convection boundary layer flow over a vertical wavy frustum of a cone. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2009 , 223, 1605-1614	1.3	19
69	Natural-Convection Flow Along a Vertical Complex Wavy Surface With Uniform Heat Flux. <i>Journal of Heat Transfer</i> , 2007 , 129, 1403-1407	1.8	18
68	Non-Newtonian Natural Convection Along a Vertical Heated Wavy Surface Using a Modified Power-Law Viscosity Model. <i>Journal of Heat Transfer</i> , 2009 , 131,	1.8	17
67	MHD-conjugate heat transfer analysis for a vertical flat plate in presence of viscous dissipation and heat generation. <i>International Communications in Heat and Mass Transfer</i> , 2008 , 35, 1275-1280	5.8	17

66	Radiation effect on free convection laminar flow along a vertical flat plate with streamwise sinusoidal surface temperature. <i>Mathematical and Computer Modelling</i> , 2011 , 53, 1310-1319		16
65	Large Eddy Simulation of Pulsatile Flow through a Channel with Double Constriction. <i>Fluids</i> , 2017 , 2, 1	1.6	15
64	Numerical study of pulsatile channel flows undergoing transition triggered by a modelled stenosis. <i>Physics of Fluids</i> , 2012 , 24, 121901	4.4	15
63	Non-Newtonian Fluid Flow on a Flat Plate Part 2: Heat Transfer. <i>Journal of Thermophysics and Heat Transfer</i> , 2008 , 22, 762-765	1.3	15
62	Forced convection of non-Newtonian fluids on a heated flat plate. <i>International Journal of Heat and Mass Transfer</i> , 2008 , 51, 5154-5159	4.9	14
61	Aerosol particle transport and deposition in a CT-scan based mouth-throat model 2019 ,		13
60	The Flow of Non-Newtonian Fluids on a Flat Plate With a Uniform Heat Flux. <i>Journal of Heat Transfer</i> , 2009 , 131,	1.8	12
59	LES of additive and non-additive pulsatile flows in a model arterial stenosis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2010 , 13, 105-120	2.1	11
58	Fully-Developed Circular-Pipe Flow of a Non-Newtonian Pseudoplastic Fluid. <i>Universal Journal of Mechanical Engineering</i> , 2013 , 1, 23-31	1.2	10
57	Conjugate Effect of Heat and Mass Transfer in Natural Convection Flow from an Isothermal Sphere with Chemical Reaction. <i>International Journal of Fluid Mechanics Research</i> , 2004 , 31, 319-331	4.3	10
56	Mixed convection of non-Newtonian fluids along a heated vertical flat plate. <i>International Journal of Heat and Mass Transfer</i> , 2009 , 52, 3266-3271	4.9	9
55	Effects of chemical reaction, heat and mass diffusion in natural convection flow from an isothermal sphere with temperature dependent viscosity. <i>Engineering Computations</i> , 2006 , 23, 840-857	1.4	9
54	A Graphics Process Unit-Based Multiple-Relaxation-Time Lattice Boltzmann Simulation of Non-Newtonian Fluid Flows in a Backward Facing Step. <i>Computation</i> , 2020 , 8, 83	2.2	9
53	Numerical Simulation of Non-Newtonian Power-Law Fluid Flow in a Lid-Driven Skewed Cavity. <i>International Journal of Applied and Computational Mathematics</i> , 2019 , 5, 1	1.3	9
52	Lattice Boltzmann Simulation of Airflow and Heat Transfer in a Model Ward of a Hospital. <i>Journal of Thermal Science and Engineering Applications</i> , 2017 , 9,	1.9	8
51	Scaling Analysis of the Unsteady Natural Convection Boundary Layer Adjacent to an Inclined Plate for $Pr > 1$ Following Instantaneous Heating. <i>Journal of Heat Transfer</i> , 2011 , 133,	1.8	8
50	GPU Accelerated Multiple-Relaxation-Time Lattice Boltzmann Simulation of Convective Flows in a Porous Media. <i>Frontiers in Mechanical Engineering</i> , 2018 , 4,	2.6	8
49	Radiation effects on natural convection laminar flow from a horizontal circular cylinder. <i>Desalination and Water Treatment</i> , 2011 , 30, 89-97		7

48	Large-eddy simulation of pulsatile non-Newtonian flow in a constricted channel. <i>Progress in Computational Fluid Dynamics</i> , 2012 , 12, 231	0.7	7
47	Numerical investigation of diesel exhaust particle transport and deposition in the CT-scan based lung airway 2017 ,		6
46	Buoyancy Driven Natural Convection Flow in an Enclosure with Two Discrete Heating from below. <i>Procedia Engineering</i> , 2013 , 56, 104-111		6
45	MHD natural convection flow from an isothermal horizontal circular cylinder under consideration of temperature dependent viscosity. <i>Engineering Computations</i> , 2012 , 29, 875-887	1.4	6
44	Natural Convection Flow from an Isothermal Sphere with Temperature Dependent Thermal Conductivity. <i>Journal of Naval Architecture and Marine Engineering</i> , 2009 , 2, 53-64	1.4	6
43	Natural Convection Laminar Flow with Temperature Dependent Viscosity and Thermal Conductivity Along a Vertical Wavy Surface. <i>International Journal of Fluid Mechanics Research</i> , 2009 , 36, 272-288	4.3	6
42	Natural Convection Flow along an Isothermal Vertical Flat Plate with Temperature Dependent Viscosity and Heat Generation. <i>Journal of Computational Engineering</i> , 2014 , 2014, 1-13		5
41	Effects of Temperature Dependent Thermal Conductivity on Natural Convection Flow Along a Vertical Wavy Cone with Heat Flux. <i>Procedia Engineering</i> , 2014 , 90, 497-503		5
40	Non-newtonian Mixed Convection Flow from a Horizontal Circular Cylinder with Uniform Surface Heat Flux. <i>Procedia Engineering</i> , 2014 , 90, 510-516		5
39	Natural convection flow along the vertical wavy cone in case of uniform surface heat flux where viscosity is an exponential function of temperature. <i>International Communications in Heat and Mass Transfer</i> , 2011 , 38, 774-780	5.8	5
38	Lattice Boltzmann Simulation of Airflow and Mixed Convection in a General Ward of Hospital. <i>Journal of Computational Engineering</i> , 2016 , 2016, 1-15		5
37	Bingham fluid flow simulation in a lid-driven skewed cavity using the finite-volume method. <i>International Journal of Computer Mathematics</i> , 2020 , 97, 1212-1233	1.2	5
36	Magnetic field effects on natural convection and entropy generation of non-Newtonian fluids using multiple-relaxation-time lattice Boltzmann method. <i>International Journal of Modern Physics C</i> , 2021 , 32, 2150015	1.1	5
35	Non-Newtonian effect on heat transfer and entropy generation of natural convection nanofluid flow inside a vertical wavy porous cavity. <i>SN Applied Sciences</i> , 2021 , 3, 1	1.8	5
34	Lattice Boltzmann simulation of natural convection and heat transfer from multiple heated blocks. <i>Heat Transfer</i> , 2020 , 49, 1877-1894	3.1	4
33	Pulsatile Non-Newtonian Fluid Flows in a Model Aneurysm with Oscillating Wall. <i>Frontiers in Mechanical Engineering</i> , 2017 , 3,	2.6	4
32	Natural convection and entropy generation of non-Newtonian nanofluids with different angles of external magnetic field using GPU accelerated MRT-LBM. <i>Case Studies in Thermal Engineering</i> , 2022 , 30, 101769	5.6	4
31	Non-Newtonian effect on natural convection flow over cylinder of elliptic cross section. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020 , 41, 361-382	3.2	4

30	Non-Newtonian effect on double diffusive natural convection of nanofluid within a square cavity 2021,		4
29	Graphics process unit accelerated lattice Boltzmann simulation of indoor air flow: Effects of sub-grid scale model in large-eddy simulation. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020 , 234, 4024-4040	1.3	3
28	Non-Newtonian Mixed Convection Flow along an Isothermal Horizontal Circular Cylinder. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014 , 66, 509-529	2.3	3
27	Non-Newtonian Natural Convection Along a Vertical Plate with Uniform Surface Heat Fluxes. <i>Journal of Thermophysics and Heat Transfer</i> , 2009 , 23, 176-185	1.3	3
26	PHYSIOLOGICAL FLOW IN A MODEL OF ARTERIAL STENOSIS. <i>Journal of Biomechanics</i> , 2008 , 41, S243	2.9	3
25	Conjugate Effects of Heat and Mass Transfer on Natural Convection Flow Across an Isothermal Horizontal Circular Cylinder With Chemical Reaction. <i>Nonlinear Analysis: Modelling and Control</i> , 2007 , 12, 191-201	1.3	3
24	Lattice Boltzmann Simulation of MHD Rayleigh-Bénard Convection in Porous Media. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 9527-9547	2.5	3
23	Natural Convection Flow over a Vertical Permeable Circular Cone with Uniform Surface Heat Flux in Temperature-Dependent Viscosity with Three-Fold Solutions within the Boundary Layer. <i>Computation</i> , 2022 , 10, 60	2.2	3
22	Natural convection of non-Newtonian shear-thinning fluid flow inside a skewed cavity 2019,		2
21	Lattice Boltzmann simulation of Non-Newtonian power-law fluid flows in a bifurcated channel 2018 ,		2
20	Natural convection from a vertical plate embedded in a stratified medium with uniform heat source. <i>Desalination and Water Treatment</i> , 2012 , 44, 7-14		2
19	RADIATION EFFECT ON FREE CONVECTION LAMINAR FLOW FROM AN ISOTHERMAL SPHERE. <i>Chemical Engineering Communications</i> , 2011 , 198, 1483-1496	2.2	2
18	Non-Newtonian Natural Convection Flow along a Horizontal Circular Cylinder with Uniform Surface Heat Flux. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 194928	1.2	2
17	Laminar Blood Flow through a Model of Arterial Stenosis with Oscillating Wall. <i>International Journal of Fluid Mechanics Research</i> , 2014 , 41, 417-429	4.3	2
16	Vaccine efficacy and SARS-CoV-2 control in California and U.S. during the session 2020-2026: A modeling study. <i>Infectious Disease Modelling</i> , 2022 , 7, 62-81	15.7	2
15	Natural convection flow in porous enclosure with localized heating from below with heat flux 2016,		2
14	Natural convection flow of Cu-H ₂ O nanofluid along a vertical wavy surface with uniform heat flux 2016,		1
13	Numerical simulation of Bingham fluid flows in a lid-driven skewed cavity 2018,		1

12	Non-Newtonian shear thinning effect on natural convection flow over an isothermal elliptical cylinder 2019 ,		1
11	LES of additive and non-additive pulsatile flows in a model arterial stenosis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2010 , 13, 105-20	2.1	1
10	Multiple-relaxation-time lattice Boltzmann simulation of free convection and irreversibility of nanofluid with variable thermophysical properties. <i>Physica Scripta</i> , 2021 , 96, 125031	2.6	1
9	Numerical simulation of natural convection of dusty nanofluids within a curve-shaped enclosure. <i>AIP Advances</i> , 2020 , 10, 105304	1.5	1
8	Unsteady RANS simulation of wind flow around a building shape obstacle. <i>Building Simulation</i> , 2022 , 15, 291	3.9	1
7	Large-eddy simulation of airflow and heat transfer in a general ward of hospital 2016 ,		1
6	Natural convection of non-Newtonian fluid along a vertical thin cylinder using modified power-law model 2016 ,		1
5	Carreau ferrofluid flow with inclined magnetic field in an enclosure having heated cylinder. <i>Physica Scripta</i> , 2021 , 96, 105007	2.6	1
4	Study of mixed convection flow of power-law fluids in a skewed lid-driven cavity. <i>Heat Transfer</i> , 2021 , 50, 6328-6357	3.1	0
3	Double-diffusive natural convection of non-Newtonian nanofluid considering thermal dispersion of nanoparticles in a vertical wavy enclosure. <i>AIP Advances</i> , 2021 , 11, 095219	1.5	0
2	Non-Newtonian Effect on Mixed Convection Flow Over an Elliptical Cylinder with Uniform Heat Flux. <i>International Journal of Applied and Computational Mathematics</i> , 2022 , 8, 1	1.3	0
1	Chaotic phenomena of natural convection for water in a V-shaped enclosure. <i>International Journal of Thermal Sciences</i> , 2022 , 176, 107526	4.1	0