

Sufian Munawar

List of Publications by Year in descending order

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papers

738
citations

567281

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47
all docs

47
docs citations

47
times ranked

339
citing authors

#	ARTICLE	IF	CITATIONS
1	Steady flow and heat transfer of a Sisko fluid in annular pipe. International Journal of Heat and Mass Transfer, 2010, 53, 1290-1297.	4.8	64
2	Three-dimensional squeezing flow in a rotating channel of lower stretching porous wall. Computers and Mathematics With Applications, 2012, 64, 1575-1586.	2.7	64
3	Entropy generation in the Blasius flow under thermal radiation. Physica Scripta, 2012, 85, 035008.	2.5	42
4	Entropy generation in hydrodynamic slip flow over a vertical plate with convective boundary. Journal of Mechanical Science and Technology, 2012, 26, 2977-2984.	1.5	42
5	Thermal analysis of double diffusive electrokinetic thermally radiated TiO ₂ -Ag/blood stream triggered by synthetic cilia under buoyancy forces and activation energy. Physica Scripta, 2021, 96, 095218.	2.5	35
6	Entropy analysis in ciliary transport of radiated hybrid nanofluid in presence of electromagnetohydrodynamics and activation energy. Case Studies in Thermal Engineering, 2021, 28, 101665.	5.7	35
7	Mixed Convection of Hybrid Nanofluid in an Inclined Enclosure with a Circular Center Heater under Inclined Magnetic Field. Coatings, 2021, 11, 506.	2.6	31
8	Mixed convective cilia triggered stream of magneto ternary nanofluid through elastic electroosmotic pump: A comparative entropic analysis. Journal of Molecular Liquids, 2022, 352, 118662.	4.9	31
9	Thermal analysis of the flow over an oscillatory stretching cylinder. Physica Scripta, 2012, 86, 065401.	2.5	30
10	Entropy analysis in cilia driven pumping flow of hyperbolic tangent fluid with magnetic field effects. Fluid Dynamics Research, 2020, 52, 025503.	1.3	26
11	Unsteady flow of viscous fluid over the vacillate stretching cylinder. International Journal for Numerical Methods in Fluids, 2012, 70, 671-681.	1.6	22
12	Entropy Analysis of an MHD Synthetic Cilia Assisted Transport in a Microchannel Enclosure with Velocity and Thermal Slippage Effects. Coatings, 2020, 10, 414.	2.6	22
13	Second Law Analysis of Ciliary Pumping Transport in an Inclined Channel Coated with Carreau Fluid under a Magnetic Field. Coatings, 2020, 10, 240.	2.6	22
14	Significance of Synthetic Cilia and Arrhenius Energy on Double Diffusive Stream of Radiated Hybrid Nanofluid in Microfluidic Pump under Ohmic Heating: An Entropic Analysis. Coatings, 2021, 11, 1292.	2.6	20
15	EFFECTS OF SLIP ON FLOW BETWEEN TWO STRETCHABLE DISKS USING OPTIMAL HOMOTOPY ANALYSIS METHOD. Canadian Journal of Applied Sciences, 0, 1, 50-67.	1.0	19
16	Significance of Slippage and Electric Field in Mucociliary Transport of Biomagnetic Fluid. Lubricants, 2021, 9, 48.	2.9	18
17	Entropy generation in thermally radiated hybrid nanofluid through an electroosmotic pump with ohmic heating: Case of synthetic cilia regulated stream. Science Progress, 2021, 104, 003685042110259.	1.9	17
18	Entropy Production in Electroosmotic Cilia Facilitated Stream of Thermally Radiated Nanofluid with Ohmic Heating. Micromachines, 2021, 12, 1004.	2.9	15

#	ARTICLE	IF	CITATIONS
19	Comments to: "Homotopy analysis method for solving the MHD flow over a non-linear stretching sheet (Commun. Nonlinear Sci. Numer. Simul. 14 (2009) 2653-2663)", Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 4233-4240.	3.3	13
20	Slip effects on entropy generation in MHD flow over a stretching surface in the presence of thermal radiation. International Journal of Exergy, 2013, 13, 1.	0.4	13
21	Lubricating hot stretching membrane with a thin hybrid nanofluid squeezed film under oscillatory compression. European Physical Journal Plus, 2021, 136, 1.	2.6	13
22	Thermal analysis of an Eyring-Powell fluid flow-through a constricted channel. Thermal Science, 2020, 24, 1207-1216.	1.1	13
23	Entropy generation minimization E.G.M. analysis of free convective hybrid nanofluid flow in a corrugated triangular annulus with a central triangular heater. Chinese Journal of Physics, 2022, 75, 38-54.	3.9	13
24	Thermal Case Study of Cilia Actuated Transport of Radiated Blood-Based Ternary Nanofluid under the Action of Tilted Magnetic Field. Coatings, 2022, 12, 873.	2.6	12
25	Entropy Analysis of Mixed Convective Magnetohydrodynamic Flow of a Viscoelastic Fluid over a Stretching Sheet. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 451-459.	1.5	11
26	A mathematical analysis of MHD blood flow of Eyring-Powell fluid through a constricted artery. International Journal of Biomathematics, 2016, 09, 1650027.	2.9	11
27	Time-dependent stagnation-point flow over rotating disk impinging oncoming flow. Applied Mathematics and Mechanics (English Edition), 2013, 34, 85-96.	3.6	10
28	Swirling Flow Over an Oscillatory Stretchable Disk. Journal of Mechanics, 2014, 30, 339-347.	1.4	10
29	Entropy production in the flow over a swirling stretchable cylinder. Thermophysics and Aeromechanics, 2016, 23, 435-444.	0.5	10
30	Entropy analysis in moving wavy surface boundary-layer. Thermal Science, 2019, 23, 233-241.	1.1	10
31	Impact of partial slip and lateral walls on peristaltic transport of a couple stress fluid in a rectangular duct. Science Progress, 2021, 104, 003685042110136.	1.9	8
32	Cilia beating modulated radiating ternary nanofluids flow in a corrugated asymmetric channel with electromagnetohydrodynamic and momentum slip. Heat Transfer, 2022, 51, 7462-7486.	3.0	8
33	Slip effect on the magnetohydrodynamics channel flow in the presence of the across mass transfer phenomenon. Journal of Applied Mechanics and Technical Physics, 2017, 58, 54-62.	0.5	6
34	Cooling of a Hot Stretching Surface in the Presence of Across Mass Transfer Phenomenon in a Channel Flow. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2014, 69, 34-42.	1.5	4
35	Entropy generation minimisation in a moving porous pipe under magnetic field effect. International Journal of Exergy, 2018, 26, 418.	0.4	4
36	Comment on "Analysing flow and heat transfer of a viscoelastic fluid over a semi-infinite horizontal moving flat plate, IJNL, 43 (2008) 772-776", International Journal of Non-Linear Mechanics, 2011, 46, 1280-1282.	2.6	3

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37	Unsteady Flow and Heat Transfer in a Composite Porous Annulus with Time-Dependent Injection. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 657-664.	1.5	3
38	Entropy generation minimisation in a moving porous pipe under magnetic field effect. International Journal of Exergy, 2018, 26, 418.	0.4	3
39	Impact of surface texture on entropy generation in nanofluid. Thermal Science, 2021, 25, 1171-1180.	1.1	2
40	Swirling Flow in a Permeable Tube at Slowly Expanding and Contracting Wall. Mathematical Problems in Engineering, 2017, 2017, 1-8.	1.1	1
41	Unsteady Boundary-Layer Flow over Jerked Plate Moving in a Free Stream of Viscoelastic Fluid. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	0
42	Unsteady local non-similar boundary-layer flow over a long slim cylinder. International Journal of Physical Sciences, 2011, 6, .	0.4	0
43	TIME-DEPENDENT FLOW IN A COMPOSITE CHANNEL WITH HEAT TRANSFER. Journal of Porous Media, 2013, 16, 749-756.	1.9	0
44	EFFECT OF THE SHEAR STRESS JUMP CONDITION AT A POROUS/CLEAR INTERFACE REGION ON THE MHD FLOW OVER A PERMEABLE CYLINDER. Journal of Porous Media, 2017, 20, 665-670.	1.9	0
45	New Degree-Based Topological Indices of Toroidal Polyhex Graph by Means of M-Polynomial. Journal of Mathematics, 2022, 2022, 1-5.	1.0	0