Amjad Ali

List of Publications by Year
in descending order

19 papers	216 citations	1163117 8 h-index	1058476 14 g-index
19 all docs	19 docs citations	19 times ranked	115 citing authors

#	Article	IF	Citations
1	A Parallel, Reconstructed Discontinuous Galerkin Method for the Compressible Flows on Arbitrary Grids. Communications in Computational Physics, 2011, 9, 363-389.	1.7	53
2	Impact of Lorentz force on the pulsatile flow of a non-Newtonian Casson fluid in a constricted channel using Darcy's law: a numerical study. Scientific Reports, 2020, 10, 10629.	3.3	27
3	Pulsating flow of a micropolar-Casson fluid through a constricted channel influenced by a magnetic field and Darcian porous medium: A numerical study. Results in Physics, 2020, 19, 103544.	4.1	20
4	DG-FEM based simulation of laminar convection in an annulus withÂtriangular fins of different heights. International Journal of Thermal Sciences, 2013, 72, 125-146.	4.9	16
5	An Outlook of High Performance Computing Infrastructures for Scientific Computing. Advances in Computers, 2013, 91, 87-118.	1.6	15
6	Non-Newtonian Casson pulsatile fluid flow influenced by Lorentz force in a porous channel with multiple constrictions: A numerical study. Korea Australia Rheology Journal, 2021, 33, 79-90.	1.7	12
7	The pulsatile flow of thermally developed non-Newtonian Casson fluid in a channel with constricted walls. AIP Advances, 2021, 11, 025324.	1.3	11
8	Theoretical analysis of two-layer fluids with continuity of stresses at interface and slip at the walls of an inclined channel. Ain Shams Engineering Journal, 2021, 12, 761-774.	6.1	10
9	Cu and Cu-SWCNT Nanoparticles' Suspension in Pulsatile Casson Fluid Flow via Darcy–Forchheimer Porous Channel with Compliant Walls: A Prospective Model for Blood Flow in Stenosed Arteries. International Journal of Molecular Sciences, 2021, 22, 6494.	4.1	10
10	Enhanced index for water body delineation and area calculation using Google Earth Engine: a case study of the Manchar Lake. Journal of Water and Climate Change, 2022, 13, 557-573.	2.9	10
11	Thermally developed unsteady viscous nanofluid flow due to permeable channel with orthogonal motion of walls using Beavers-Joseph slip condition. AEJ - Alexandria Engineering Journal, 2021, 60, 2335-2345.	6.4	6
12	Impact of Lorentz Force in Thermally Developed Pulsatile Micropolar Fluid Flow in a Constricted Channel. Energies, 2021, 14, 2173.	3.1	6
13	Numerical Investigation of MHD Pulsatile Flow of Micropolar Fluid in a Channel with Symmetrically Constricted Walls. Mathematics, 2021, 9, 1000.	2.2	5
14	Numerical investigation of thermally developed MHD flow with pulsation in a channel with multiple constrictions. AIP Advances, 2021, 11, .	1.3	5
15	Numerical Simulation of the Thermally Developed Pulsatile Flow of a Hybrid Nanofluid in a Constricted Channel. Energies, 2021, 14, 2410.	3.1	4
16	Diamond-Shaped Extended Fins for Heat Transfer Enhancement in a Double-Pipe Heat Exchanger: An Innovative Design. Applied Sciences (Switzerland), 2021, 11, 5954.	2.5	4
17	On parallel performance of an implicit discontinuous Galerkin compressible flow solver based on different linear solvers. , 2011, , .		1
18	Benchmarking of a distributed-memory, high-order discontinuous finite element flow solver on a shared-memory parallel architecture. AIP Advances, 2020, 10, .	1.3	1

#	Article	IF	Citations
19	An efficient parallel scheme based on the nodal discontinuous Galerkin method for fluid flow simulations. AIP Advances, 2021, 11, 065031.	1.3	0