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	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
2	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
3	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
4	The pulsatile flow of thermally developed non-Newtonian Casson fluid in a channel with constricted walls. AIP Advances, 2021, 11, 025324.	1.3	11
5	Numerical Simulation of the Thermally Developed Pulsatile Flow of a Hybrid Nanofluid in a Constricted Channel. Energies, 2021, 14, 2410.	3.1	4
6	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
7	Impact of Lorentz Force in Thermally Developed Pulsatile Micropolar Fluid Flow in a Constricted Channel. Energies, 2021, 14, 2173.	3.1	6
8	Numerical Investigation of MHD Pulsatile Flow of Micropolar Fluid in a Channel with Symmetrically Constricted Walls. Mathematics, 2021, 9, 1000.	2.2	5
9	Numerical investigation of thermally developed MHD flow with pulsation in a channel with multiple constrictions. AIP Advances, 2021, 11, .	1.3	5
10	An efficient parallel scheme based on the nodal discontinuous Galerkin method for fluid flow simulations. AIP Advances, 2021, 11, 065031.	1.3	0
11	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
12	Cu and Cu-SWCNT Nanoparticlesâ€™ Suspension in Pulsatile Casson Fluid Flow via Darcyâ€"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
13	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
14	Impact of Lorentz force on the pulsatile flow of a non-Newtonian Casson fluid in a constricted channel using Darcyâ€™s law: a numerical study. Scientific Reports, 2020, 10, 10629.	3.3	27
15	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
16	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
17	An Outlook of High Performance Computing Infrastructures for Scientific Computing. Advances in Computers, 2013, 91, 87-118.	1.6	15
18	On parallel performance of an implicit discontinuous Galerkin compressible flow solver based on different linear solvers. , 2011, , .		1

#	Article	IF	Citations
19	A Parallel, Reconstructed Discontinuous Galerkin Method for the Compressible Flows on Arbitrary Grids. Communications in Computational Physics, 2011, 9, 363-389.	1.7	53