Ali Ashrafizadeh

List of Publications by Year
in descending order

14 papers	89 citations	1684188 5 h-index	1474206 9 g-index
14 all docs	14 docs citations	14 times ranked	64 citing authors

#	Article	IF	Citations
1	Super-resolution of low-fidelity flow solutions via generative adversarial networks. Simulation, 2022, 98, 645-663.	1.8	3
2	A numerical study on the fluid compressibility effects in strongly coupled fluid–solid interaction problems. Engineering With Computers, 2021, 37, 1205-1217.	6.1	1
3	A numerical study on thermal ablation of brain tumor with intraoperative focused ultrasound. Journal of Thermal Biology, 2019, 83, 119-133.	2.5	14
4	Flow Confinement Effects on the Wake Structure behind a Pitching Airfoil: A Numerical Study Using an Immersed Boundary Method. Journal of Bionic Engineering, 2017, 14, 88-98.	5.0	3
5	An extended iterative direct-forcing immersed boundary method in thermo-fluid problems with Dirichlet or Neumann boundary conditions. Journal of Central South University, 2017, 24, 137-154.	3.0	6
6	A Patient-Specific Three-Dimensional Hemodynamic Model of the Circle of Willis. Cardiovascular Engineering and Technology, 2017, 8, 495-504.	1.6	3
7	On the numerical solution of generalized convection heat transfer problems via the method of proper closure equations – part I: Description of the method. Numerical Heat Transfer; Part A: Applications, 2016, 70, 187-203.	2.1	4
8	On the numerical solution of generalized convection heat transfer problems via the method of proper closure equations – part II: Application to test problems. Numerical Heat Transfer; Part A: Applications, 2016, 70, 204-222.	2.1	19
9	A coupled element-based finite-volume method for the solution of incompressible Navier-Stokes equations. Numerical Heat Transfer, Part B: Fundamentals, 2016, 69, 447-472.	0.9	8
10	Numerical Simulation of the Wake Structure and Thrust/Lift Generation of a Pitching Airfoil at Low Reynolds number via an Immersed Boundary Method. Journal of Aerospace Technology and Management, 2015, 7, 334-350.	0.3	4
11	Inverse shape design via a new physical-based iterative solution strategy. Inverse Problems in Science and Engineering, 2015, 23, 1138-1162.	1.2	14
12	Implementation of a GPU-based CFD Code. , 2014, , .		4
13	A Novel Hybrid Computational Method for Multi-Stage Axial Flow Turbine Performance Prediction. Arabian Journal for Science and Engineering, 2014, 39, 5193-5206.	1.1	1
14	An Alternative Strategy for the Solution of Heat and Incompressible Fluid Flow Problems via the Finite Volume Method. Numerical Heat Transfer; Part A: Applications, 2012, 62, 393-411.	2.1	5