M M Rahman

List of Publications by Year
in descending order

29 papers	442 citations	759233 12 h-index	713466 21 g-index
29 all docs	29 docs citations	29 times ranked	121 citing authors

#	Article	IF	Citations
1	MODIFIED SIMPLE FORMULATION ON A COLLOCATED GRID WITH AN ASSESSMENT OF THE SIMPLIFIED QUICK SCHEME. Numerical Heat Transfer, Part B: Fundamentals, 1996, 30, 291-314.	0.9	66
2	An artificial compressibility method for viscous incompressible and low Mach number flows. International Journal for Numerical Methods in Engineering, 2008, 75, 1320-1340.	2.8	49
3	Improved Low-Reynolds-Number One-Equation Turbulence Model. AIAA Journal, 2011, 49, 735-747.	2.6	37
4	A DUAL-DISSIPATION SCHEME FOR PRESSURE-VELOCITY COUPLING. Numerical Heat Transfer, Part B: Fundamentals, 2002, 42, 231-242.	0.9	33
5	A PRESSURE-CORRECTION METHOD FOR SOLVING FLUID FLOW PROBLEMS ON A COLLOCATED GRID. Numerical Heat Transfer, Part B: Fundamentals, 1997, 32, 63-84.	0.9	27
6	An explicit algebraic Reynolds stress model in turbulence. International Journal for Numerical Methods in Fluids, 2006, 52, 1135-1157.	1.6	25
7	An eddy viscosity model with near-wall modifications. International Journal for Numerical Methods in Fluids, 2005, 49, 975-997.	1.6	22
8	An eddy viscosity model with elliptic relaxation approach. International Journal of Heat and Fluid Flow, 2009, 30, 319-330.	2.4	22
9	Wall-distance-free formulation for SST k-ω model. European Journal of Mechanics, B/Fluids, 2019, 75, 71-82.	2.5	19
10	Compromising with corrector step of SIMPLE Algorithm. Mathematics and Computers in Simulation, 2021, 188, 135-163.	4.4	18
11	RAS one-equation turbulence model with non-singular eddy-viscosity coefficient. International Journal of Computational Fluid Dynamics, 2016, 30, 89-106.	1.2	15
12	Near-wall turbulence modelling with enhanced dissipation. International Journal for Numerical Methods in Fluids, 2003, 42, 979-997.	1.6	14
13	A simplified $v2$–f model for near-wall turbulence. International Journal for Numerical Methods in Fluids, 2007, 54, 1387-1406.	1.6	13
14	Introducing compressibility with SIMPLE algorithm. Mathematics and Computers in Simulation, 2021, 180, 328-353.	4.4	10
15	Predicting transition with algebraic intermittency function. Physics of Fluids, 2022, 34, .	4.0	10
16	Reinforced lubrication of vegetable oils with nano-particle additives in broaching. Journal of Manufacturing Processes, 2021, 70, 518-528.	5.9	9
17	Numerical verification for a new type of UV disinfection reactor. Ain Shams Engineering Journal, 2020, 11, 1191-1200.	6.1	8
18	Consistently formulated eddy-viscosity coefficient for k-equation model. Journal of Turbulence, 2018, 19, 959-994.	1.4	8

#	Article	IF	Citations
19	Near-wall turbulence modelling with elliptic relaxation approach. Progress in Computational Fluid Dynamics, 2008, 8, 258.	0.2	7
20	Low Reynolds number k-? model for near-wall flow. International Journal for Numerical Methods in Fluids, 2005, 47, 325-338.	1.6	6
21	Exploring SIMPLE algorithm for all speeds. Ain Shams Engineering Journal, 2023, 14, 101854.	6.1	5
22	Large eddy simulation of round impinging jet with one-equation subgrid scale model. International Journal of Heat and Mass Transfer, 2018, 116, 1250-1259.	4.8	4
23	Avoiding under-relaxations in SIMPLE algorithm. Numerical Heat Transfer, Part B: Fundamentals, 2020, 78, 310-329.	0.9	4
24	A simplified one-equation elliptic-relaxation model. AIP Conference Proceedings, 2019, , .	0.4	3
25	Developing code-friendly variant of V2F turbulence model. Computers and Fluids, 2020, 196, 104346.	2.5	3
26	Introducing Consistently Formulated Eddy-Viscosity Coefficient with Spalartâ€"Allmaras Model. AIAA Journal, 2020, 58, 2764-2769.	2.6	3
27	Assessment of Shear Stress Transport Model with Its Variant for Heat Transfer Problems. Journal of Thermophysics and Heat Transfer, 2020, 34, 640-649.	1.6	1
28	Formatting Elliptic Model From SST k-ω Closure. International Journal of Computational Fluid Dynamics, 2021, 35, 289-303.	1.2	1
29	Combined lubrication of surface texturing and copper covering for broaching tool. International Journal of Advanced Manufacturing Technology, 2022, 119, 3617-3629.	3.0	0