Sudip Kumar Garain

List of Publications by Year
in descending order

12	389	1163117 8	1199594 12
papers	citations	h-index	g-index

12	12	12	255
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An efficient class of WENO schemes with adaptive order for unstructured meshes. Journal of Computational Physics, 2020, 404, 109062.	3.8	45
2	Effects of Magnetic Field Loops on the Dynamics of Advective Accretion Flows and Jets around a Schwarzschild Black Hole. Astrophysical Journal, 2020, 888, 59.	4.5	4
3	Technologies for supporting high-order geodesic mesh frameworks for computational astrophysics and space sciences. Computational Astrophysics and Cosmology, 2020, 7, 1.	22.7	5
4	Efficient, divergence-free, high-order MHD on 3D spherical meshes with optimal geodesic meshing. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1283-1314.	4.4	13
5	Resilient computational applications using Coarray Fortran. Parallel Computing, 2019, 81, 58-67.	2.1	8
6	Computational electrodynamics in material media with constraint-preservation, multidimensional Riemann solvers and sub-cell resolution â€“ Part II, higher order FVTD schemes. Journal of Computational Physics, 2018, 354, 613-645.	3.8	22
7	Computational electrodynamics in material media with constraint-preservation, multidimensional Riemann solvers and sub-cell resolution â€“ Part I, second-order FVTD schemes. Journal of Computational Physics, 2017, 349, 604-635.	3.8	22
8	A high-order relativistic two-fluid electrodynamic scheme with consistent reconstruction of electromagnetic fields and a multidimensional Riemann solver for electromagnetism. Journal of Computational Physics, 2016, 318, 169-200.	3.8	40
9	An efficient class of WENO schemes with adaptive order. Journal of Computational Physics, 2016, 326, 780-804.	3.8	180
10	Riemann solvers and Alfven waves in black hole magnetospheres. Computational Astrophysics and Cosmology, 2016, 3, 5.	22.7	4
11	A two-dimensional Riemann solver with self-similar sub-structure â€“ Alternative formulation based on least squares projection. Journal of Computational Physics, 2016, 304, 138-161.	3.8	26
12	Comparing Coarray Fortran (CAF) with MPI for several structured mesh PDE applications. Journal of Computational Physics, 2015, 297, 237-253.	3.8	20