Satya P Jammy

List of Publications by Year
in descending order

8 papers	**106** citations	1684188 **5** h-index

1588992 **8** g-index	

8 all docs	**8** docs citations	**8** times ranked	**80** citing authors

#	Article	IF	Citations
1	OpenSBLI: A framework for the automated derivation and parallel execution of finite difference solvers on a range of computer architectures. Journal of Computational Science, 2017, 18, 12-23.	2.9	41
2	Shock-wave/boundary-layer interactions in the automatic source-code generation framework OpenSBLI. Computers and Fluids, 2018, 173, 17-21.	2.5	18
3	OpenSBLI: Automated code-generation for heterogeneous computing architectures applied to compressible fluid dynamics on structured grids. Computer Physics Communications, 2021, 267, 108063.	7.5	14
4	An error indicator for finite difference methods using spectral techniques with application to aerofoil simulation. Computers and Fluids, 2018, 168, 67-72.	2.5	12
5	Block-structured compressible Navier–Stokes solution using the OPS high-level abstraction. International Journal of Computational Fluid Dynamics, 2016, 30, 450-454.	1.2	9
6	Conjugate Heat-Transfer Analysis for Hypersonic Flow over Finite Thickness Flat Plate. Journal of Aerospace Engineering, 2013, 26, 708-714.	1.4	4
7	Boundary conditions and vortex wandering. Journal of Fluid Mechanics, 2014, 747, 350-368.	3.4	4
8	Performance evaluation of explicit finite difference algorithms with varying amounts of computational and memory intensity. Journal of Computational Science, 2019, 36, 100565.	2.9	4