

Andrew

List of Publications by Year in descending order

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17
papers

227
citations

1040056

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996975

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all docs

17
docs citations

17
times ranked

140
citing authors

#	ARTICLE	IF	CITATIONS
1	SIMSOPT: A flexible framework for stellarator optimization. <i>Journal of Open Source Software</i> , 2021, 6, 3525.	4.6	39
2	Nanolubrication by ionic liquids: molecular dynamics simulations reveal an anomalous effective rheology. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23226-23235.	2.8	34
3	Discontinuous Galerkin methods on graphics processing units for nonlinear hyperbolic conservation laws. <i>International Journal for Numerical Methods in Fluids</i> , 2014, 76, 982-1003.	1.6	29
4	A state redistribution algorithm for finite volume schemes on cut cell meshes. <i>Journal of Computational Physics</i> , 2021, 428, 109820.	3.8	18
5	Precise stellarator quasi-symmetry can be achieved with electromagnetic coils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2202084119.	7.1	18
6	Single-stage gradient-based stellarator coil design: Optimization for near-axis quasi-symmetry. <i>Journal of Computational Physics</i> , 2022, 459, 111147.	3.8	16
7	Single-stage gradient-based stellarator coil design: stochastic optimization. <i>Nuclear Fusion</i> , 2022, 62, 076034.	3.5	14
8	Analysis of slope limiters on unstructured triangular meshes. <i>Journal of Computational Physics</i> , 2018, 374, 1-26.	3.8	12
9	Face coloring in unstructured CFD codes. <i>Parallel Computing</i> , 2017, 63, 17-37.	2.1	9
10	A Two-Dimensional Stabilized Discontinuous Galerkin Method on Curvilinear Embedded Boundary Grids. <i>SIAM Journal of Scientific Computing</i> , 2022, 44, A389-A415.	2.8	8
11	Direct computation of magnetic surfaces in Boozer coordinates and coil optimization for quasisymmetry. <i>Journal of Plasma Physics</i> , 2022, 88, .	2.1	8
12	A Moment Limiter for the Discontinuous Galerkin Method on Unstructured Triangular Meshes. <i>SIAM Journal of Scientific Computing</i> , 2019, 41, A508-A537.	2.8	7
13	Adaptive mesh refinement on graphics processing units for applications in gas dynamics. <i>Journal of Computational Physics</i> , 2019, 381, 67-90.	3.8	6
14	A moment limiter for the discontinuous Galerkin method on unstructured tetrahedral meshes. <i>Journal of Computational Physics</i> , 2020, 404, 109106.	3.8	5
15	On the optimal CFL number of SSP methods for hyperbolic problems. <i>Applied Numerical Mathematics</i> , 2019, 135, 165-172.	2.1	4
16	An h-Adaptive Implementation of the Discontinuous Galerkin Method for Nonlinear Hyperbolic Conservation Laws on Unstructured Meshes for Graphics Processing Units. , 2016, , 435-445.		0
17	Axisymmetric Simulations of Nonlinear Sound Propagation in a Trumpet. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018, , 229-238.	0.2	0