

Andrew

List of Publications by Year in descending order

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1040056

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docs citations

17
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140
citing authors

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