Robert Anderson

List of Publications by Year
in descending order

10 papers	**490** citations	1163117 **8** h-index	1372567 **10** g-index
10 all docs	**10** docs citations	**10** times ranked	**439** citing authors

#	ARTICLE	IF	CITATIONS
1	MFEM: A modular finite element methods library. Computers and Mathematics With Applications, 2021, 81, 42-74.	2.7	175
2	An arbitrary Lagrangian–Eulerian method with adaptive mesh refinement for the solution of the Euler equations. Journal of Computational Physics, 2004, 199, 598-617.	3.8	72
3	High-Order Multi-Material ALE Hydrodynamics. SIAM Journal of Scientific Computing, 2018, 40, B32-B58.	2.8	54
4	Advances in patch-based adaptive mesh refinement scalability. Journal of Parallel and Distributed Computing, 2016, 89, 65-84.	4.1	44
5	High-order local maximum principle preserving (MPP) discontinuous Galerkin finite element method for the transport equation. Journal of Computational Physics, 2017, 334, 102-124.	3.8	42
6	Space–time reduced order model for large-scale linear dynamical systems with application to Boltzmann transport problems. Journal of Computational Physics, 2021, 424, 109845.	3.8	36
7	Monotonicity in high–order curvilinear finite element arbitrary Lagrangian–Eulerian remap. International Journal for Numerical Methods in Fluids, 2015, 77, 249-273.	1.6	33
8	SNS: A Solution-Based Nonlinear Subspace Method for Time-Dependent Model Order Reduction. SIAM Journal of Scientific Computing, 2020, 42, A1116-A1146.	2.8	25
9	Multi-Material ALE with AMR for Modeling Hot Plasmas and Cold Fragmenting Materials. Plasma Science and Technology, 2015, 17, 117-128.	1.5	7
10	An AMR Capable Finite Element Diffusion Solver for ALE Hydrocodes. Plasma Science and Technology, 2015, 17, 109-116.	1.5	2