

Eric C Cyr

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

340
citations

933447

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1199594

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g-index

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docs citations

14
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181
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamically consistent physics-informed neural networks for hyperbolic systems. <i>Journal of Computational Physics</i> , 2022, 449, 110754.	3.8	49
2	A physics-informed operator regression framework for extracting data-driven continuum models. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 373, 113500.	6.6	43
3	Enabling Scalable Multifluid Plasma Simulations Through Block Preconditioning. <i>Lecture Notes in Computational Science and Engineering</i> , 2020, , 231-244.	0.3	0
4	Scalable Preconditioners for Structure Preserving Discretizations of Maxwell Equations in First Order Form. <i>SIAM Journal of Scientific Computing</i> , 2018, 40, B723-B742.	2.8	8
5	Block Preconditioners for Stable Mixed Nodal and Edge finite element Representations of Incompressible Resistive MHD. <i>SIAM Journal of Scientific Computing</i> , 2016, 38, B1009-B1031.	2.8	31
6	Teko: A Block Preconditioning Capability with Concrete Example Applications in Navier–Stokes and MHD. <i>SIAM Journal of Scientific Computing</i> , 2016, 38, S307-S331.	2.8	14
7	Monolithic Multigrid Methods for Two-Dimensional Resistive Magnetohydrodynamics. <i>SIAM Journal of Scientific Computing</i> , 2016, 38, B1-B24.	2.8	33
8	Enhancing Least-Squares Finite Element Methods Through a Quantity-of-Interest. <i>SIAM Journal on Numerical Analysis</i> , 2014, 52, 3085-3105.	2.3	10
9	A Block Preconditioner for an Exact Penalty Formulation for Stationary MHD. <i>SIAM Journal of Scientific Computing</i> , 2014, 36, B930-B951.	2.8	30
10	A New Approximate Block Factorization Preconditioner for Two-Dimensional Incompressible (Reduced) Resistive MHD. <i>SIAM Journal of Scientific Computing</i> , 2013, 35, B701-B730.	2.8	48
11	Goal-Oriented Adaptivity and Multilevel Preconditioning for the Poisson-Boltzmann Equation. <i>Journal of Scientific Computing</i> , 2012, 52, 202-225.	2.3	10
12	Stabilization and scalable block preconditioning for the Navier–Stokes equations. <i>Journal of Computational Physics</i> , 2012, 231, 345-363.	3.8	25
13	A first-order system least-squares finite element method for the Poisson–Boltzmann equation. <i>Journal of Computational Chemistry</i> , 2010, 31, 1625-1635.	3.3	30
14	Monolithic Multigrid Methods for Magnetohydrodynamics. <i>SIAM Journal of Scientific Computing</i> , 0, , S70-S91.	2.8	9