

Hengbin An

List of Publications by Year in descending order

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12
papers

176
citations

1478505

6
h-index

1372567

10
g-index

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all docs

12
docs citations

12
times ranked

159
citing authors

#	ARTICLE	IF	CITATIONS
1	Shear Decoupled Parallel Scalable Preconditioners for Nonlinear Thermo-Mechanical Coupled Contact Applications. <i>Journal of Scientific Computing</i> , 2022, 90, 1.	2.3	1
2	A class of domain decomposition based nonlinear explicit-implicit iteration algorithms for solving diffusion equations with discontinuous coefficient. <i>Journal of Computational and Applied Mathematics</i> , 2021, 386, 113232.	2.0	3
3	A filter in constructing the preconditioner for solving linear equation systems of radiation diffusion problems. <i>Applied Mathematics and Computation</i> , 2021, 399, 126010.	2.2	0
4	Setup-AMG: an adaptive-setup-based parallel AMG solver for sequence of sparse linear systems. <i>CCF Transactions on High Performance Computing</i> , 2020, 2, 98-110.	1.7	1
5	A local character based method for solving linear systems of radiation diffusion problems. <i>Journal of Computational Physics</i> , 2020, 407, 109218.	3.8	1
6	A challenging dam structural analysis: large-scale implicit thermo-mechanical coupled contact simulation on Tianhe-II. <i>Computational Mechanics</i> , 2019, 63, 99-119.	4.0	12
7	Operator-based preconditioning for the 2-D 3-T energy equations in radiation hydrodynamics simulations. <i>Journal of Computational Physics</i> , 2019, 385, 51-74.	3.8	7
8	Anderson acceleration and application to the three-temperature energy equations. <i>Journal of Computational Physics</i> , 2017, 347, 1-19.	3.8	34
9	An adaptive AMG preconditioning strategy for solving large-scale sparse linear systems. <i>Scientia Sinica Informationis</i> , 2016, 46, 1411-1420.	0.4	7
10	The preconditioned Jacobian-free Newton-Krylov methods for nonequilibrium radiation diffusion equations. <i>Journal of Computational and Applied Mathematics</i> , 2014, 255, 60-73.	2.0	8
11	On linearization and preconditioning for radiation diffusion coupled to material thermal conduction equations. <i>Journal of Computational Physics</i> , 2013, 236, 28-40.	3.8	8
12	JASMIN: a parallel software infrastructure for scientific computing. <i>Frontiers of Computer Science</i> , 2010, 4, 480-488.	0.6	94