

Lennard Kamenski

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

191
citations

1307594

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1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

136
citing authors

#	ARTICLE	IF	CITATIONS
1	A geometric discretization and a simple implementation for variational mesh generation and adaptation. <i>Journal of Computational Physics</i> , 2015, 301, 322-337.	3.8	38
2	A new anisotropic mesh adaptation method based upon hierarchical a posteriori error estimates. <i>Journal of Computational Physics</i> , 2010, 229, 2179-2198.	3.8	35
3	Conditioning of finite element equations with arbitrary anisotropic meshes. <i>Mathematics of Computation</i> , 2014, 83, 2187-2211.	2.1	31
4	On the mesh nonsingularity of the moving mesh PDE method. <i>Mathematics of Computation</i> , 2018, 87, 1887-1911.	2.1	31
5	How a Nonconvergent Recovered Hessian Works in Mesh Adaptation. <i>SIAM Journal on Numerical Analysis</i> , 2014, 52, 1692-1708.	2.3	15
6	Stability of Explicit One-Step Methods for P1-Finite Element Approximation of Linear Diffusion Equations on Anisotropic Meshes. <i>SIAM Journal on Numerical Analysis</i> , 2016, 54, 1612-1634.	2.3	7
7	Tetrahedral mesh improvement using moving mesh smoothing, lazy searching flips, and ARBF surface reconstruction. <i>CAD Computer Aided Design</i> , 2018, 103, 2-13.	2.7	7
8	Tetrahedral Mesh Improvement Using Moving Mesh Smoothing and Lazy Searching Flips. <i>Procedia Engineering</i> , 2016, 163, 302-314.	1.2	6
9	Why Do We Need Voronoi Cells and Delaunay Meshes?. <i>Lecture Notes in Computational Science and Engineering</i> , 2019, , 45-60.	0.3	6
10	A study on using hierarchical basis error estimates in anisotropic mesh adaptation for the finite element method. <i>Engineering With Computers</i> , 2012, 28, 451-460.	6.1	4
11	Why Do We Need Voronoi Cells and Delaunay Meshes? Essential Properties of the Voronoi Finite Volume Method. <i>Computational Mathematics and Mathematical Physics</i> , 2019, 59, 1930-1944.	0.8	4
12	Conditioning of implicit Runge-Kutta integration for finite element approximation of linear diffusion equations on anisotropic meshes. <i>Journal of Computational and Applied Mathematics</i> , 2021, 387, 112497.	2.0	4
13	A Study on Using Hierarchical Basis Error Estimates in Anisotropic Mesh Adaptation for the Finite Element Method. , 2010, , 297-314.		1
14	Sharp Bounds on the Smallest Eigenvalue of Finite Element Equations with Arbitrary Meshes without Regularity Assumptions. <i>SIAM Journal on Numerical Analysis</i> , 2021, 59, 983-997.	2.3	0