Lennard Kamenski

List of Publications by Year
in descending order

14 papers	191 citations	1307594 7 h-index	1125743 13 g-index
15 all docs	15 docs citations	15 times ranked	136 citing authors

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