Linda Stals

List of Publications by Year
in descending order

14 papers	106 citations	1937685 4 h-index	1474206 9 g-index
14 all docs	14 docs citations	14 times ranked	90 citing authors

#	Article	IF	Citations
1	Parallel Computation of Flow in Heterogeneous Media Modelled by Mixed Finite Elements. Journal of Computational Physics, 2000, 164, 258-282.	3.8	41
2	Nonstationary iterated Tikhonov regularization for ill-posed problems in Banach spaces. Inverse Problems, 2012, 28, 104011.	2.0	23
3	Fault-Tolerant Grid-Based Solvers: Combining Concepts from Sparse Grids and MapReduce. Procedia Computer Science, 2013, 18, 130-139.	2.0	15
4	Smoothing large data sets using discrete thin plate splines. Computing and Visualization in Science, 2006, 9, 185-195.	1.2	9
5	A Mixed Finite Element Discretisation of Thin Plate Splines Based on Biorthogonal Systems. Journal of Scientific Computing, 2016, 67, 20-42.	2.3	4
6	Algorithm-based fault recovery of adaptively refined parallel multilevel grids. International Journal of High Performance Computing Applications, 2019, 33, 189-211.	3.7	3
7	Verifying convergence rates of discrete thin-plate splines in 3D.. ANZIAM Journal, 0, 46, 516.	0.0	3
8	A mixed finite element discretisation of thin-plate splines. ANZIAM Journal, 0, 52, 518.	0.0	3
9	Efficient Solution Techniques for a Finite Element Thin Plate Spline Formulation. Journal of Scientific Computing, 2015, 63, 374-409.	2.3	2
10	Stability Analysis of Time Stepping for Prolonged Plasma Fluid Simulations. SIAM Journal of Scientific Computing, 2009, 31, 961-986.	2.8	1
11	Preconditioners for Low Order Thin Plate Spline Approximations. Lecture Notes in Computational Science and Engineering, 2008, , 639-646.	0.3	1
12	Resiliency in numerical algorithm design for extreme scale simulations. International Journal of High Performance Computing Applications, 2022, 36, 251-285.	3.7	1
13	Applications of a finite element discretisation of thin plate splines. ANZIAM Journal, 0, 55, 210.	0.0	0
14	Adaptive discrete thin plate spline smoother. ANZIAM Journal, 0, 62, C45-C57.	0.0	0