Kunibert G Siebert

List of Publications by Year
in descending order

22 papers	1,879 citations	516710 16 h-index	752698 20 g-index
22 all docs	22 docs citations	22 times ranked	563 citing authors

#	Article	IF	Citations
1	Data Oscillation and Convergence of Adaptive FEM. SIAM Journal on Numerical Analysis, 2000, 38, 466-488.	2.3	377
2	Quasi-Optimal Convergence Rate for an Adaptive Finite Element Method. SIAM Journal on Numerical Analysis, 2008, 46, 2524-2550.	2.3	363
3	Convergence of Adaptive Finite Element Methods. SIAM Review, 2002, 44, 631-658.	9.5	292
4	Theory of adaptive finite element methods: An introduction. , 2009, , 409-542.		128
5	Local problems on stars: A posteriori error estimators, convergence, and performance. Mathematics of Computation, 2002, 72, 1067-1098.	2.1	108
6	A BASIC CONVERGENCE RESULT FOR CONFORMING ADAPTIVE FINITE ELEMENTS. Mathematical Models and Methods in Applied Sciences, 2008, 18, 707-737.	3.3	105
7	Pointwise a posteriori error control for elliptic obstacle problems. Numerische Mathematik, 2003, 95, 163-195.	1.9	83
8	An a posteriori error estimator for anisotropic refinement. Numerische Mathematik, 1996, 73, 373-398.	1.9	66
9	A Posteriori Error Analysis of Optimal Control Problems with Control Constraints. SIAM Journal on Control and Optimization, 2014, 52, 1832-1861.	2.1	59
10	Fully Localized A posteriori Error Estimators and Barrier Sets for Contact Problems. SIAM Journal on Numerical Analysis, 2005, 42, 2118-2135.	2.3	49
11	A convergence proof for adaptive finite elements without lower bound. IMA Journal of Numerical Analysis, 2011, 31, 947-970.	2.9	43
12	Pointwise a posteriori error estimates for monotone semi-linear equations. Numerische Mathematik, 2006, 104, 515-538.	1.9	39
13	A Unilaterally Constrained Quadratic Minimization with Adaptive Finite Elements. SIAM Journal on Optimization, 2007, 18, 260-289.	2.0	39
14	Decay rates of adaptive finite elements with Dörfler marking. Numerische Mathematik, 2011, 117, 679-716.	1.9	35
15	A posteriori estimators for the h – p version of the finite element method in 1D. Applied Numerical Mathematics, 2000, 35, 43-66.	2.1	26
16	DESIGN AND CONVERGENCE OF AFEM IN H(DIV). Mathematical Models and Methods in Applied Sciences, 2007, 17, 1849-1881.	3.3	26
17	Optimal grading of the newest vertex bisection and H^1-stability of the L_2-projection. IMA Journal of Numerical Analysis, 2016, 36, 1217-1241.	2.9	18
18	Convergence of Adaptive Finite Elements for Optimal Control Problems with Control Constraints. International Series of Numerical Mathematics, 2014, , 403-419.	1.1	8

#	Article	IF	Citations
19	Multiscale and Adaptivity: Modeling, Numerics and Applications. Lecture Notes in Mathematics, 2012, , .	0.2	7
20	A Posteriori Error Estimators for Control Constrained Optimal Control Problems. International Series of Numerical Mathematics, 2012, , 431-443.	1.1	7
21	Mathematically Founded Design of Adaptive Finite Element Software. Lecture Notes in Mathematics, 2011, , 227-309.	0.2	1
22	Basic convergence results for conforming adaptive finite elements. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1026001-1026002.	0.2	0