

Christian Kreuzer

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,077
citations

840585

11
h-index

752573

20
g-index

21
all docs

21
docs citations

21
times ranked

378
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasi-Optimal Convergence Rate for an Adaptive Finite Element Method. SIAM Journal on Numerical Analysis, 2008, 46, 2524-2550.	1.1	363
2	Theory of adaptive finite element methods: An introduction. , 2009, , 409-542.		128
3	Linear Convergence of an Adaptive Finite Element Method for the p -Laplacian Equation. SIAM Journal on Numerical Analysis, 2008, 46, 614-638.	1.1	110
4	A BASIC CONVERGENCE RESULT FOR CONFORMING ADAPTIVE FINITE ELEMENTS. Mathematical Models and Methods in Applied Sciences, 2008, 18, 707-737.	1.7	105
5	Convergent adaptive finite elements for the nonlinear Laplacian. Numerische Mathematik, 2002, 92, 743-770.	0.9	71
6	Optimality of an adaptive finite element method for the p -Laplacian equation. IMA Journal of Numerical Analysis, 2012, 32, 484-510.	1.5	62
7	Finite Element Approximation of Steady Flows of Incompressible Fluids with Implicit Power-Law-Like Rheology. SIAM Journal on Numerical Analysis, 2013, 51, 984-1015.	1.1	46
8	Primer of Adaptive Finite Element Methods. Lecture Notes in Mathematics, 2011, , 125-225.	0.1	38
9	Decay rates of adaptive finite elements with $\mathbb{D}\tilde{\eta}$ marking. Numerische Mathematik, 2011, 117, 679-716.	0.9	35
10	Instance Optimality of the Adaptive Maximum Strategy. Foundations of Computational Mathematics, 2016, 16, 33-68.	1.5	25
11	The L^2 -Projection and Quasi-Optimality of Galerkin Methods for Parabolic Equations. SIAM Journal on Numerical Analysis, 2016, 54, 317-340.	1.1	23
12	Adaptive finite element approximation of steady flows of incompressible fluids with implicit power-law-like rheology. ESAIM: Mathematical Modelling and Numerical Analysis, 2016, 50, 1333-1369.	0.8	16
13	Reliable and efficient a posteriori error estimates for finite element approximations of the parabolic p -Laplacian. Calcolo, 2013, 50, 79-110.	0.6	10
14	Quasi-Optimal and Pressure Robust Discretizations of the Stokes Equations by Moment- and Divergence-Preserving Operators. Computational Methods in Applied Mathematics, 2021, 21, 423-443.	0.4	10
15	Convex hull property and maximum principle for finite element minimisers of general convex functionals. Numerische Mathematik, 2013, 124, 685-700.	0.9	9
16	Instance optimal Crouzeix-Raviart adaptive finite element methods for the Poisson and Stokes problems. IMA Journal of Numerical Analysis, 2016, 36, 593-617.	1.5	6
17	A note on why enforcing discrete maximum principles by a simple a posteriori cutoff is a good idea. Numerical Methods for Partial Differential Equations, 2014, 30, 994-1002.	2.0	5
18	Quasi-best approximation in optimization with PDE constraints. Inverse Problems, 2020, 36, 014004.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Oscillation in a posteriori error estimation. <i>Numerische Mathematik</i> , 2021, 148, 43-78.	0.9	5
20	Analysis of an adaptive Uzawa finite element method for the nonlinear Stokes problem. <i>Mathematics of Computation</i> , 2012, 81, 21-55.	1.1	3
21	On the Threshold Condition for Dörfler Marking. <i>Computational Methods in Applied Mathematics</i> , 2021, 21, 557-567.	0.4	2