Rolf Stenberg

List of Publications by Year
in descending order

25 papers	1,261 citations	687363 13 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	756 citing authors

#	Article	IF	Citations
1	Error Analysis of Galerkin Least Squares Methods for the Elasticity Equations. SIAM Journal on Numerical Analysis, 1991, 28, 1680-1697.	2.3	235
2	On some techniques for approximating boundary conditions in the finite element method. Journal of Computational and Applied Mathematics, 1995, 63, 139-148.	2.0	235
3	A finite element method for domain decomposition with non-matching grids. ESAIM: Mathematical Modelling and Numerical Analysis, 2003, 37, 209-225.	1.9	166
4	Nitsche's method for general boundary conditions. Mathematics of Computation, 2009, 78, 1353-1374.	2.1	129
5	Postprocessing schemes for some mixed finite elements. ESAIM: Mathematical Modelling and Numerical Analysis, 1991, 25, 151-167.	1.9	113
6	Energy norm a posteriori error estimates for mixed finite element methods. Mathematics of Computation, 2006, 75, 1659-1674.	2.1	89
7	A unified framework for a posteriori error estimation for the Stokes problem. Numerische Mathematik, 2012, 122, 725-769.	1.9	54
8	H(div)-CONFORMING FINITE ELEMENTS FOR THE BRINKMAN PROBLEM. Mathematical Models and Methods in Applied Sciences, 2011, 21, 2227-2248.	3.3	53
9	Nonlinear Reynolds equation for hydrodynamic lubrication. Applied Mathematical Modelling, 2015, 39, 5299-5309.	4.2	32
10	Numerical computations with H(div)-finite elements for the Brinkman problem. Computational Geosciences, 2012, 16, 139-158.	2.4	29
11	The multi-level Monte Carlo finite element method for a stochastic Brinkman Problem. Numerische Mathematik, 2013, 125, 347-386.	1.9	27
12	Mixed and Stabilized Finite Element Methods for the Obstacle Problem. SIAM Journal on Numerical Analysis, 2017, 55, 2718-2744.	2.3	20
13	Galerkin least squares finite element method for the obstacle problem. Computer Methods in Applied Mechanics and Engineering, 2017, 313, 362-374.	6.6	16
14	On Nitsche's Method for Elastic Contact Problems. SIAM Journal of Scientific Computing, 2020, 42, B425-B446.	2.8	14
15	On the Error Analysis of Stabilized Finite Element Methods for the Stokes Problem. SIAM Journal on Numerical Analysis, 2015, 53, 2626-2633.	2.3	7
16	An improved a priori error analysis of Nitsche's method for Robin boundary conditions. Numerische Mathematik, 2018, 138, 1011-1026.	1.9	7
17	An adaptive finite element method for the inequality-constrained Reynolds equation. Computer Methods in Applied Mechanics and Engineering, 2018, 336, 156-170.	6.6	7
18	A Posteriori Estimates for Conforming Kirchhoff Plate Elements. SIAM Journal of Scientific Computing, 2018, 40, A1386-A1407.	2.8	7

#	Article	IF	Citations
19	On Finite Element Formulations for the Obstacle Problem â€" Mixed and Stabilised Methods. Computational Methods in Applied Mathematics, 2017, 17, 413-429.	0.8	6
20	Error analysis of Nitscheâ€™s mortar method. Numerische Mathematik, 2019, 142, 973-994.	1.9	4
21	A stabilised finite element method for the plate obstacle problem. BIT Numerical Mathematics, 2019, 59, 97-124.	2.0	4
22	Nitscheâ€™s method for unilateral contact problems. Portugaliae Mathematica, 2019, 75, 189-204.	0.4	2
23	A posteriori error analysis for the mixed Laplace eigenvalue problem: investigations for the BDMâ€element. Proceedings in Applied Mathematics and Mechanics, 2019, 19, e201900155.	0.2	2
24	Asymptotically Exact A Posteriori Error Analysis for the Mixed Laplace Eigenvalue Problem. Computational Methods in Applied Mathematics, 2020, 20, 215-225.	0.8	2
25	Nitsche's Method for Kirchhoff Plates. SIAM Journal of Scientific Computing, 2021, 43, A1651-A1670.	2.8	1