Bedrich Sousedik

List of Publications by Year
in descending order

23	425	1040056 9	794594 19
papers	citations	h-index	g-index

26	26	26	171
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of adaptive ANOVA and reduced basis methods to the stochastic Stokes-Brinkman problem. Computational Geosciences, 2021, 25, 1191-1213.	2.4	2
2	On adaptive BDDC for the flow in heterogeneous porous media. , 2019, 64, 309-334.		2
3	A Low-Rank Solver for the Navier--Stokes Equations with Uncertain Viscosity. SIAM-ASA Journal on Uncertainty Quantification, 2019, 7, 1275-1300.	2.0	8
4	A posteriori error estimates and adaptive mesh refinement for the Stokesâ€“Brinkman problem. Mathematics and Computers in Simulation, 2019, 166, 266-282.	4.4	6
5	Inexact Methods for Symmetric Stochastic Eigenvalue Problems. SIAM-ASA Journal on Uncertainty Quantification, 2018, 6, 1744-1776.	2.0	3
6	Inverse Subspace Iteration for Spectral Stochastic Finite Element Methods. SIAM-ASA Journal on Uncertainty Quantification, 2016, 4, 163-189.	2.0	9
7	Stochastic Galerkin methods for the steady-state Navierâ€“Stokes equations. Journal of Computational Physics, 2016, 316, 435-452.	3.8	19
8	BDDC for mixedâ€hybrid formulation of flow in porous media with combined mesh dimensions. Numerical Linear Algebra With Applications, 2015, 22, 903-929.	1.6	8
9	TRUNCATED HIERARCHICAL PRECONDITIONING FOR THE STOCHASTIC GALERKIN FEM. , 2014, 4, 333-348.		18
10	Hierarchical Schur complement preconditioner for the stochastic Galerkin finite element methods. Numerical Linear Algebra With Applications, 2014, 21, 136-151.	1.6	31
11	Nested BDDC for a saddle-point problem. Numerische Mathematik, 2013, 125, 761-783.	1.9	7
12	Adaptive-Multilevel BDDC and its parallel implementation. Computing (Vienna/New York), 2013, 95, 1087-1119.	4.8	36
13	Adaptive BDDC in three dimensions. Mathematics and Computers in Simulation, 2012, 82, 1812-1831.	4.4	54
14	Application of the parallel BDDC preconditioner to the Stokes flow. Computers and Fluids, 2011, 46, 429-435.	2.5	24
15	On Adaptive-Multilevel BDDC. Lecture Notes in Computational Science and Engineering, 2011, , 39-50.	0.3	5
16	A Parallel Implementation of the BDDC Method for the Stokes Flow. , 2011, , 807-812.		0
17	Multispace and multilevel BDDC. Computing (Vienna/New York), 2008, 83, 55-85.	4.8	62
18	Adaptive selection of face coarse degrees of freedom in the BDDC and the FETI-DP iterative substructuring methods. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 1389-1399.	6.6	84

#	Article	IF	Citations
19	BDDC and FETI-DP under minimalist assumptions. Computing (Vienna/New York), 2007, 81, 269-280.	4.8	24
20	Adaptive Coarse Space Selection in the BDDC and the FETI-DP Iterative Substructuring Methods: Optimal Face Degrees of Freedom. , 2007, , 421-428.		5
21	Finite Element Mesh Adjusted to Singularities Applied to Axisymmetric and Plane Flow. , 2004, , 186-195.		0
22	A posteriori error estimates applied to flow in a channel with corners. Mathematics and Computers in Simulation, 2003, 61, 375-383.	4.4	11
23	Inexact and primal multilevel FETIâ€DP methods: a multilevel extension and interplay with BDDC. International Journal for Numerical Methods in Engineering, 0, , .	2.8	0