

Kathrin Smetana

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9214195/publications.pdf>

Version: 2024-02-01

13
papers

173
citations

1307594

7
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

104
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable and Efficient Petrov–Galerkin Methods for a Kinetic Fokker–Planck Equation. <i>SIAM Journal on Numerical Analysis</i> , 2022, 60, 157-179.	2.3	1
2	Optimal Local Approximation Spaces for Parabolic Problems. <i>Multiscale Modeling and Simulation</i> , 2022, 20, 551-582.	1.6	8
3	Randomized residual–based error estimators for the proper generalized decomposition approximation of parametrized problems. <i>International Journal for Numerical Methods in Engineering</i> , 2020, 121, 5153-5177.	2.8	5
4	Static Condensation Optimal Port/Interface Reduction and Error Estimation for Structural Health Monitoring. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2020, , 1-24.	0.2	1
5	Randomized Residual-Based Error Estimators for Parametrized Equations. <i>SIAM Journal of Scientific Computing</i> , 2019, 41, A900-A926.	2.8	14
6	(Parametrized) First Order Transport Equations: Realization of Optimally Stable Petrov–Galerkin Methods. <i>SIAM Journal of Scientific Computing</i> , 2019, 41, A592-A621.	2.8	22
7	Randomized Local Model Order Reduction. <i>SIAM Journal of Scientific Computing</i> , 2018, 40, A2120-A2151.	2.8	32
8	Hierarchical model reduction of nonlinear partial differential equations based on the adaptive empirical projection method and reduced basis techniques. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2017, 51, 641-677.	1.9	8
9	Approximation of skewed interfaces with tensor-based model reduction procedures: Application to the reduced basis hierarchical model reduction approach. <i>Journal of Computational Physics</i> , 2016, 321, 1185-1205.	3.8	1
10	Optimal Local Approximation Spaces for Component-Based Static Condensation Procedures. <i>SIAM Journal of Scientific Computing</i> , 2016, 38, A3318-A3356.	2.8	43
11	A new certification framework for the port reduced static condensation reduced basis element method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 283, 352-383.	6.6	19
12	Unsaturated subsurface flow with surface water and nonlinear in- and outflow conditions. <i>Mathematical Models and Methods in Applied Sciences</i> , 2014, 24, 901-936.	3.3	13
13	A Dimensional Reduction Approach Based on the Application of Reduced Basis Methods in the Framework of Hierarchical Model Reduction. <i>SIAM Journal of Scientific Computing</i> , 2014, 36, A714-A736.	2.8	6