Saifon Chaturantabut

List of Publications by Year
in descending order

11 papers	1,669 citations	1478280 6 h-index	1372474 10 g-index
11 all docs	11 docs citations	11 times ranked	1049 citing authors

#	Article	IF	Citations
1	Nonlinear Model Reduction via Discrete Empirical Interpolation. SIAM Journal of Scientific Computing, 2010, 32, 2737-2764.	1.3	1,275
2	A State Space Error Estimate for POD-DEIM Nonlinear Model Reduction. SIAM Journal on Numerical Analysis, 2012, 50, 46-63.	1.1	133
3	Application of POD and DEIM on dimension reduction of non-linear miscible viscous fingering in porous media. Mathematical and Computer Modelling of Dynamical Systems, 2011, 17, 337-353.	1.4	87
4	Discrete Empirical Interpolation for nonlinear model reduction. , 2009, , .		78
5	Morphologically accurate reduced order modeling of spiking neurons. Journal of Computational Neuroscience, 2010, 28, 477-494.	0.6	55
6	Temporal localized nonlinear model reduction with a priori error estimate. Applied Numerical Mathematics, 2017, 119, 225-238.	1.2	19
7	Nonlinear Parametric Inversion Using Interpolatory Model Reduction. SIAM Journal of Scientific Computing, 2015, 37, B495-B517.	1.3	15
8	Parametric Nonlinear Model Reduction Using K-Means Clustering for Miscible Flow Simulation. Journal of Applied Mathematics, 2020, 2020, 1-12.	0.4	2
9	An Application of a Modified Gappy Proper Orthogonal Decomposition on Complexity Reduction of Allen-Cahn Equation. Algorithms, 2020, 13, 148.	1.2	2
10	A Missing Data Reconstruction Method Using an Accelerated Least-Squares Approximation with Randomized SVD. Algorithms, 2022, 15, 190.	1.2	2
11	Dimension reduction for systems with parametrized boundaries for Fisher's equation. AIP Conference Proceedings, 2016, , .	0.3	1