List of Publications by Year
in descending order

32 papers	**751** citations	686830 **13** h-index	525886 **27** g-index
33 all docs	**33** docs citations	**33** times ranked	**380** citing authors

#	Article	IF	Citations
1	Interpolatory Projection Methods for Parameterized Model Reduction. SIAM Journal of Scientific Computing, 2011, 33, 2489-2518.	1.3	146
2	Interpolatory projection methods for structure-preserving model reduction. Systems and Control Letters, 2009, 58, 225-232.	1.3	103
3	Structure-preserving tangential interpolation for model reduction of port-Hamiltonian systems. Automatica, 2012, 48, 1963-1974.	3.0	87
4	Linear port-Hamiltonian descriptor systems. Mathematics of Control, Signals, and Systems, 2018, 30, 1.	1.4	71
5	Model reduction for systems with inhomogeneous initial conditions. Systems and Control Letters, 2017, 99, 99-106.	1.3	35
6	Convergence of the Iterative Rational Krylov Algorithm. Systems and Control Letters, 2012, 61, 688-691.	1.3	33
7	Data-driven structured realization. Linear Algebra and Its Applications, 2018, 537, 250-286.	0.4	32
8	Interpolatory weighted- model reduction. Automatica, 2013, 49, 1275-1280.	3.0	29
9	Inexact solves in interpolatory model reduction. Linear Algebra and Its Applications, 2012, 436, 2916-2943.	0.4	21
10	Near-optimal frequency-weighted interpolatory model reduction. Systems and Control Letters, 2015, 78, 8-18.	1.3	21
11	Chapter 7: Model Reduction by Rational Interpolation. , 2017, , 297-334.		21
12	Contragredient transformations applied to the optimal projection equations. Linear Algebra and Its Applications, 1993, 188-189, 665-676.	0.4	20
13	Methods for computing lower bounds to eigenvalues of self-adjoint operators. Numerische Mathematik, 1995, 72, 143-172.	0.9	17
14	Nonlinear Parametric Inversion Using Interpolatory Model Reduction. SIAM Journal of Scientific Computing, 2015, 37, B495-B517.	1.3	15
15	An Extension of Aronszajn's Rule: Slicing the Spectrum for Intermediate Problems. SIAM Journal on Numerical Analysis, 1987, 24, 828-843.	1.1	14
16	Localization Criteria and Containment for Rayleigh Quotient Iteration. SIAM Journal on Matrix Analysis and Applications, 1989, 10, 80-93.	0.7	13
17	Comparison of the adjoint and adjoint-free 4dVar assimilation of the hydrographic and velocity observations in the Adriatic Sea. Ocean Modelling, 2016, 97, 129-140.	1.0	11
18	Schur complements and the Weinstein-Aronszajn theory for modified matrix eigenvalue problems. Linear Algebra and Its Applications, 1988, 108, 37-61.	0.4	9

#	Article	IF	Citations
19	A hybrid approach to generating search subspaces in dynamically constrained 4-dimensional data assimilation. Ocean Modelling, 2017, 117, 41-51.	1.0	9
20	Mapping parameters across system boundaries: parameterized model reduction with low rank variability in dynamics. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 19-22.	0.2	8
21	Damping optimization of parameter dependent mechanical systems by rational interpolation. Advances in Computational Mathematics, 2018, 44, 1797-1820.	0.8	8
22	Data-Driven Balancing of Linear Dynamical Systems. SIAM Journal of Scientific Computing, 2022, 44, A554-A582.	1.3	7
23	A Structure-preserving Model Reduction Algorithm for Dynamical Systems with Nonlinear Frequency Dependence. IFAC-PapersOnLine, 2016, 49, 56-61.	0.5	5
24	Structure-Preserving Interpolatory Model Reduction for Port-Hamiltonian Differential-Algebraic Systems. , 2022, , 235-254.		5
25	Convergence rates for intermediate problems. Manuscripta Mathematica, 1987, 59, 209-227.	0.3	3
26	Sampling-free model reduction of systems with low-rank parameterization. Advances in Computational Mathematics, 2020, 46, 1.	0.8	2
27	Interpolatory Methods for $\mathcal{H}_{\infty}$ Model Reduction of Multi-Input/Multi-Output Systems. Modeling, Simulation and Applications, 2017, , 349-365.	1.3	2
28	Convergence of Essential Spectra for Intermediate Hamiltonians. SIAM Journal on Mathematical Analysis, 1985, 16, 492-499.	0.9	1
29	Location of essential spectrum of intermediate Hamiltonians restricted to symmetry subspaces. Journal of Mathematical Physics, 1988, 29, 2236-2240.	0.5	1
30	Improved convergence rates for intermediate problems. Mathematics of Computation, 1992, 59, 77-95.	1.1	1
31	Constrained Substructure Approach to Optimal Strain Energy Analysis. Journal of Vibration and Acoustics, Transactions of the ASME, 2001, 123, 340-346.	1.0	1
32	Revisiting IRKA: Connections with Pole Placement and Backward Stability. Vietnam Journal of Mathematics, 2020, 48, 963-985.	0.4	0