Cristina Tablino-Possio

List of Publications by Year
in descending order

30 papers	283 citations	1307594 7 h-index	940533 16 g-index
30 all docs	30 docs citations	30 times ranked	140 citing authors

#	Article	IF	Citations
1	Spectral analysis of the finite element matrices approximating 2D linearly elastic structures and multigrid proposals. Numerical Linear Algebra With Applications, 2022, 29, .	1.6	1
2	Fine spectral estimates with applications to the optimally fast solution of large FDE linear systems. BIT Numerical Mathematics, 2022, 62, 1417-1431.	2.0	5
3	Spectral analysis of Pk Finite Element matrices in the case of Friedrichsâ€“Keller triangulations via Generalized Locally Toeplitz technology. Numerical Linear Algebra With Applications, 2020, 27, e2302.	1.6	2
4	Multigrid for

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 k

 Finite Element Matrices Using a (Block) Toeplitz Symbol Approach. Mathematics, 2020, 8, 5. | 2.2 | 6 |
5	Optimal preconditioning for image deblurring with Anti-Reflective boundary conditions. Linear Algebra and Its Applications, 2016, 502, 159-185.	0.9	8
6	Quasi-optimal preconditioners for finite element approximations of diffusion dominated convection-diffusion equations on (nearly) equilateral triangle meshes. Numerical Linear Algebra With Applications, 2015, 22, 123-144.	1.6	2
7	Two-Grid Methods for Hermitian positive definite linear systems connected with an order relation. Calcolo, 2014, 51, 261-285.	1.1	6
8	A note on algebraic multigrid methods for the discrete weighted Laplacian. Computers and Mathematics With Applications, 2010, 60, 1290-1298.	2.7	3
9	Preconditioned Hermitian and Skew-Hermitian Splitting Method for Finite Element Approximations of Convection-Diffusion Equations. SIAM Journal on Matrix Analysis and Applications, 2010, 31, 997-1018.	1.4	6
10	V-cycle Optimal Convergence for DCT-III Matrices. , 2010, , 377-396.		1
11	Preconditioning strategies for non-Hermitian Toeplitz linear systems. Numerical Linear Algebra With Applications, 2005, 12, 211-220.	1.6	16
12	Two-grid methods for banded linear systems from DCT III algebra. Numerical Linear Algebra With Applications, 2005, 12, 241-249.	1.6	6
13	Numerical behaviour of multigrid methods for symmetric Sinc-Galerkin systems. Numerical Linear Algebra With Applications, 2005, 12, 261-269.	1.6	6
14	Preconditioned HSS methods for the solution of non-Hermitian positive definite linear systems and applications to the discrete convection-diffusion equation. Numerische Mathematik, 2005, 99, 441-484.	1.9	69
15	Multigrid Methods for Multilevel Circulant Matrices. SIAM Journal of Scientific Computing, 2004, 26, 55-85.	2.8	34
16	Preconditioning Strategies for Hermitian Indefinite Toeplitz Linear Systems. SIAM Journal of Scientific Computing, 2004, 25, 1633-1654.	2.8	8
17	Analysis of preconditioning strategies for collocation linear systems. Linear Algebra and Its Applications, 2003, 369, 41-75.	0.9	18
18	Superlinear Preconditioners for Finite Differences Linear Systems. SIAM Journal on Matrix Analysis and Applications, 2003, 25, 152-164.	1.4	7

#	Article	IF	Citations
19	Application of multigrid techniques to image restoration problems. , 2002, , .		1
20	Finite Element Matrix Sequences: the Case of Rectangular Domains. Numerical Algorithms, 2001, 28, 309-327.	1.9	6
21	Preliminary Remarks on Multigrid Methods for Circulant Matrices. Lecture Notes in Computer Science, 2001, , 152-159.	1.3	2
22	Constructive techniques for approximating collocation linear systems. Numerical Algorithms, 2000, 25, 323-339.	1.9	0
23	Spectral and structural analysis of high precision finite difference matrices for elliptic operators. Linear Algebra and Its Applications, 1999, 293, 85-131.	0.9	39
24	Analytical Analysis of the Gavrilov--Guckenheimer Bifurcation Unfolding in the Case of a Proportional-Integral Controlled CSTR. SIAM Journal on Applied Mathematics, 1999, 59, 1716-1744.	1.8	3
25	An Example of How Nonlinear Dynamics Tools Can be Successfully Applied to A Chemical System. Fractals, 1997, 05, 531-547.	3.7	3
26	A non-ideal CSTR: A high codimension bifurcation analysis. Chemical Engineering Science, 1996, 51, 3151-3156.	3.8	11
27	THE INFLUENCE OF HOPF BIFURCATION DEGENERACIES ON THE DYNAMIC BEHAVIOR OF A NON-IDEAL PI CONTROLLED CSTR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1996, 06, 1255-1266.	1.7	2
28	An example of type III intermittency in chemical engineering. Chemical Engineering Science, 1994, 49, 131-137.	3.8	3
29	Different scenarios in a controlled tubular reactor with a countercurrent coolant. Chaos, Solitons and Fractals, 1993, 3, 537-549.	5.1	6
30	Multigrid preconditioners for symmetric Sinc systems. ANZIAM Journal, 0, 45, 857.	0.0	3