

Michela Redivo-Zaglia

List of Publications by Year in descending order

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52
papers

876
citations

471061

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27
g-index

56
all docs

56
docs citations

56
times ranked

328
citing authors

#	ARTICLE	IF	CITATIONS
1	Shanks and Anderson-type acceleration techniques for systems of nonlinear equations. IMA Journal of Numerical Analysis, 2022, 42, 3058-3093.	1.5	4
2	Extrapolation and prediction of sequences in a vector space. Journal of Computational and Applied Mathematics, 2022, 409, 114164.	1.1	2
3	The Legacy of Peter Wynn. Mathematics, 2021, 9, 1240.	1.1	4
4	A Survey of Shanks's™ Extrapolation Methods and Their Applications. Computational Mathematics and Mathematical Physics, 2021, 61, 699-718.	0.2	2
5	Some unusual results on extrapolation methods. Numerical Algorithms, 2020, 84, 1241-1264.	1.1	0
6	Extrapolation methods for fixed-point multilinear PageRank computations. Numerical Linear Algebra With Applications, 2020, 27, e2280.	0.9	14
7	The Works of Peter Wynn. , 2020, , 85-168.		0
8	Commentaries and Further Developments. , 2020, , 169-215.		0
9	The genesis and early developments of Aitken's™ process, Shanks's™ transformation, the $\hat{\mu}$ -algorithm, and related fixed point methods. Numerical Algorithms, 2019, 80, 11-133.	1.1	25
10	Extrapolation methods for the numerical solution of nonlinear Fredholm integral equations. Journal of Integral Equations and Applications, 2019, 31, .	0.2	10
11	Zeros of quadratic quasi-orthogonal order 2 polynomials. Applied Numerical Mathematics, 2019, 135, 143-145.	1.2	4
12	Shanks Sequence Transformations and Anderson Acceleration. SIAM Review, 2018, 60, 646-669.	4.2	38
13	The simplified topological $\hat{\mu}$ -algorithms: software and applications. Numerical Algorithms, 2017, 74, 1237-1260.	1.1	14
14	Shanks function transformations in a vector space. Applied Numerical Mathematics, 2017, 116, 57-63.	1.2	3
15	New representations of Padé, Padé-type, and partial Padé approximants. Journal of Computational and Applied Mathematics, 2015, 284, 69-77.	1.1	25
16	Convergence acceleration of Kaczmarz's™ method. Journal of Engineering Mathematics, 2015, 93, 3-19.	0.6	15
17	The Simplified Topological $\hat{\mu}$ -Algorithms for Accelerating Sequences in a Vector Space. SIAM Journal of Scientific Computing, 2014, 36, A2227-A2247.	1.3	21
18	Padé-type rational and barycentric interpolation. Numerische Mathematik, 2013, 125, 89-113.	0.9	12

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19	Multistep ρ -algorithm, Shanks's transformation, and the Lotka-Volterra system by Hirota's method. <i>Mathematics of Computation</i> , 2012, 81, 1527-1549.	1.1	17
20	smt: a Matlab toolbox for structured matrices. <i>Numerical Algorithms</i> , 2012, 59, 639-659.	1.1	13
21	A rational Arnoldi approach for ill-conditioned linear systems. <i>Journal of Computational and Applied Mathematics</i> , 2012, 236, 2063-2077.	1.1	6
22	Extensions of Drummond's process for convergence acceleration. <i>Applied Numerical Mathematics</i> , 2010, 60, 1231-1241.	1.2	5
23	Extended procedures for extrapolation to the limit. <i>Journal of Computational and Applied Mathematics</i> , 2010, 235, 631-645.	1.1	3
24	A review of vector convergence acceleration methods, with applications to linear algebra problems. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 1631-1639.	1.0	5
25	Rational extrapolation for the PageRank vector. <i>Mathematics of Computation</i> , 2008, 77, 1585-1598.	1.1	26
26	Generalizations of Aitken's process for accelerating the convergence of sequences. <i>Computational and Applied Mathematics</i> , 2007, 26, .	1.3	13
27	The PageRank Vector: Properties, Computation, Approximation, and Acceleration. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2006, 28, 551-575.	0.7	47
28	Extrapolation methods for PageRank computations. <i>Comptes Rendus Mathematique</i> , 2005, 340, 393-397.	0.1	31
29	New vector sequence transformations. <i>Linear Algebra and Its Applications</i> , 2004, 389, 189-213.	0.4	7
30	Quasi-orthogonality with applications to some families of classical orthogonal polynomials. <i>Applied Numerical Mathematics</i> , 2004, 48, 157-168.	1.2	60
31	Pseudo-Schur complements and their properties. <i>Applied Numerical Mathematics</i> , 2004, 50, 511-519.	1.2	9
32	Multi-parameter regularization techniques for ill-conditioned linear systems. <i>Numerische Mathematik</i> , 2003, 94, 203-228.	0.9	76
33	A Schur complement approach to a general extrapolation algorithm. <i>Linear Algebra and Its Applications</i> , 2003, 368, 279-301.	0.4	19
34	A review of formal orthogonality in Lanczos-based methods. <i>Journal of Computational and Applied Mathematics</i> , 2002, 140, 81-98.	1.1	8
35	Block Projection Methods for Linear Systems. <i>Numerical Algorithms</i> , 2002, 29, 33-43.	1.1	3
36	The matrix and polynomial approaches to Lanczos-type algorithms. <i>Journal of Computational and Applied Mathematics</i> , 2000, 123, 241-260.	1.1	7

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37	Variations on Lanczos' tridiagonalization process. <i>Calcolo</i> , 2000, 37, 159-179.	0.6	2
38	Transpose-free Lanczos-type algorithms for nonsymmetric linear systems. <i>Numerical Algorithms</i> , 1998, 17, 67-103.	1.1	15
39	A look-ahead strategy for the implementation of some old and new extrapolation methods. <i>Numerical Algorithms</i> , 1996, 11, 35-55.	1.1	4
40	Vector and matrix sequence transformations based on biorthogonality. <i>Applied Numerical Mathematics</i> , 1996, 21, 353-373.	1.2	16
41	Look-ahead in Bi-CGSTAB and other product methods for linear systems. <i>BIT Numerical Mathematics</i> , 1995, 35, 169-201.	1.0	29
42	Extrapolation methods. <i>Applied Numerical Mathematics</i> , 1994, 15, 123-131.	1.2	29
43	Treatment of near-breakdown in the CGS algorithm. <i>Numerical Algorithms</i> , 1994, 7, 33-73.	1.1	29
44	On the kernel of sequence transformations. <i>Applied Numerical Mathematics</i> , 1994, 16, 239-244.	1.2	10
45	A general extrapolation procedure revisited. <i>Advances in Computational Mathematics</i> , 1994, 2, 461-477.	0.8	23
46	The Reverse Bordering Method. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1994, 15, 922-937.	0.7	8
47	Addendum to "Avoiding breakdown and near-breakdown in Lanczos type algorithms". <i>Numerical Algorithms</i> , 1992, 2, 133-136.	1.1	20
48	Construction of extrapolation processes. <i>Applied Numerical Mathematics</i> , 1991, 8, 11-23.	1.2	13
49	A new presentation of orthogonal polynomials with applications to their computation. <i>Numerical Algorithms</i> , 1991, 1, 207-221.	1.1	30
50	Avoiding breakdown and near-breakdown in Lanczos type algorithms. <i>Numerical Algorithms</i> , 1991, 1, 261-284.	1.1	77
51	Matrix Shanks Transformations. <i>Electronic Journal of Linear Algebra</i> , 0, 35, 248-265.	0.6	2
52	Shifted and extrapolated power methods for tensor $S^{\ell,p}$ -eigenpairs. <i>Electronic Transactions on Numerical Analysis</i> , 0, 53, 1-27.	0.0	15