

Lothar Reichel

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

255
papers

4,467
citations

33
h-index

55
g-index

272
ext. papers

5,135
ext. citations

1.9
avg, IF

5.96
L-index

#	Paper	IF	Citations
255	Tikhonov regularization and the L-curve for large discrete ill-posed problems. <i>Journal of Computational and Applied Mathematics</i> , 2000 , 123, 423-446	2.4	300
254	Krylov-subspace methods for the Sylvester equation. <i>Linear Algebra and Its Applications</i> , 1992 , 172, 283-313	1.3	140
253	Augmented Implicitly Restarted Lanczos Bidiagonalization Methods. <i>SIAM Journal of Scientific Computing</i> , 2005 , 27, 19-42	2.6	138
252	Application of ADI Iterative Methods to the Restoration of Noisy Images. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1996 , 17, 165-186	1.5	125
251	Old and new parameter choice rules for discrete ill-posed problems. <i>Numerical Algorithms</i> , 2013 , 63, 65-87	2.1	116
250	Eigenvalues and pseudo-eigenvalues of Toeplitz matrices. <i>Linear Algebra and Its Applications</i> , 1992 , 162-164, 153-185	0.9	112
249	A Hybrid GMRES Algorithm for Nonsymmetric Linear Systems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1992 , 13, 796-825	1.5	98
248	Error Estimates and Evaluation of Matrix Functions via the Faber Transform. <i>SIAM Journal on Numerical Analysis</i> , 2009 , 47, 3849-3883	2.4	95
247	Tridiagonal Toeplitz matrices: properties and novel applications. <i>Numerical Linear Algebra With Applications</i> , 2013 , 20, 302-326	1.6	94
246	Tikhonov Regularization of Large Linear Problems. <i>BIT Numerical Mathematics</i> , 2003 , 43, 263-283	1.7	91
245	Adaptively Preconditioned GMRES Algorithms. <i>SIAM Journal of Scientific Computing</i> , 1998 , 20, 243-269	2.6	77
244	Estimation of the L-Curve via Lanczos Bidiagonalization. <i>BIT Numerical Mathematics</i> , 1999 , 39, 603-619	1.7	73
243	Newton interpolation at Leja points. <i>BIT Numerical Mathematics</i> , 1990 , 30, 332-346	1.7	72
242	On the regularizing properties of the GMRES method. <i>Numerische Mathematik</i> , 2002 , 91, 605-625	2.2	67
241	Computation of Gauss-Kronrod quadrature rules. <i>Mathematics of Computation</i> , 2000 , 69, 1035-1053	1.6	65
240	A Newton basis GMRES implementation. <i>IMA Journal of Numerical Analysis</i> , 1994 , 14, 563-581	1.8	59
239	A divide and conquer method for unitary and orthogonal eigenproblems. <i>Numerische Mathematik</i> , 1990 , 57, 695-718	2.2	53

238	A new Tikhonov regularization method. <i>Numerical Algorithms</i> , 2012 , 59, 433-445	2.1	52
237	GMRES-type methods for inconsistent systems. <i>Linear Algebra and Its Applications</i> , 2000 , 316, 157-169	0.9	51
236	Fractional Tikhonov regularization for linear discrete ill-posed problems. <i>BIT Numerical Mathematics</i> , 2011 , 51, 197-215	1.7	50
235	GMRES, L-Curves, and Discrete Ill-Posed Problems. <i>BIT Numerical Mathematics</i> , 2002 , 42, 44-65	1.7	48
234	Discrete least squares approximation by trigonometric polynomials. <i>Mathematics of Computation</i> , 1991 , 57, 273-273	1.6	46
233	IRBL: An Implicitly Restarted Block-Lanczos Method for Large-Scale Hermitian Eigenproblems. <i>SIAM Journal of Scientific Computing</i> , 2003 , 24, 1650-1677	2.6	45
232	Breakdown-free GMRES for Singular Systems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2005 , 26, 1001-1021	1.5	43
231	Tikhonov regularization based on generalized Krylov subspace methods. <i>Applied Numerical Mathematics</i> , 2012 , 62, 1215-1228	2.5	41
230	L-Curve and Curvature Bounds for Tikhonov Regularization. <i>Numerical Algorithms</i> , 2004 , 35, 301-314	2.1	40
229	A new L-curve for ill-posed problems. <i>Journal of Computational and Applied Mathematics</i> , 2008 , 219, 493-508	2.0	39
228	Iterative methods for the computation of a few eigenvalues of a large symmetric matrix. <i>BIT Numerical Mathematics</i> , 1996 , 36, 400-421	1.7	38
227	Arnoldi-Tikhonov regularization methods. <i>Journal of Computational and Applied Mathematics</i> , 2009 , 226, 92-102	2.4	37
226	Invertible smoothing preconditioners for linear discrete ill-posed problems. <i>Applied Numerical Mathematics</i> , 2005 , 54, 135-149	2.5	36
225	Chebyshev-Vandermonde systems. <i>Mathematics of Computation</i> , 1991 , 57, 703-703	1.6	36
224	A fast method for solving certain integral equations of the first kind with application to conformal mapping. <i>Journal of Computational and Applied Mathematics</i> , 1986 , 14, 125-142	2.4	36
223	Restarted block Lanczos bidiagonalization methods. <i>Numerical Algorithms</i> , 2007 , 43, 251-272	2.1	34
222	An iterative method for Tikhonov regularization with a general linear regularization operator. <i>Journal of Integral Equations and Applications</i> , 2010 , 22,	1.2	32
221	Implementations of range restricted iterative methods for linear discrete ill-posed problems. <i>Linear Algebra and Its Applications</i> , 2012 , 436, 3974-3990	0.9	31

220	A Generalized Krylov Subspace Method for ℓ_p - ℓ_q Minimization. <i>SIAM Journal of Scientific Computing</i> , 2015 , 37, S30-S50	2.6	30
219	Block Gauss and Anti-Gauss Quadrature with Application to Networks. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2013 , 34, 1655-1684	1.5	29
218	A generalized ADI iterative method. <i>Numerische Mathematik</i> , 1993 , 66, 215-233	2.2	28
217	Algorithm 686: FORTRAN subroutines for updating the QR decomposition. <i>ACM Transactions on Mathematical Software</i> , 1990 , 16, 369-377	2.3	28
216	Regularization parameter determination for discrete ill-posed problems. <i>Journal of Computational and Applied Mathematics</i> , 2015 , 273, 132-149	2.4	27
215	Large-scale Tikhonov regularization via reduction by orthogonal projection. <i>Linear Algebra and Its Applications</i> , 2012 , 436, 2845-2865	0.9	27
214	Tikhonov Regularization with a Solution Constraint. <i>SIAM Journal of Scientific Computing</i> , 2004 , 26, 224-230		27
213	A new zero-finder for Tikhonov regularization. <i>BIT Numerical Mathematics</i> , 2008 , 48, 627-643	1.7	26
212	Square regularization matrices for large linear discrete ill-posed problems. <i>Numerical Linear Algebra With Applications</i> , 2012 , 19, 896-913	1.6	25
211	A fast minimal residual algorithm for shifted unitary matrices. <i>Numerical Linear Algebra With Applications</i> , 1994 , 1, 555-570	1.6	25
210	Fast QR Decomposition of Vandermonde-Like Matrices and Polynomial Least Squares Approximation. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1991 , 12, 552-564	1.5	25
209	Network Analysis via Partial Spectral Factorization and Gauss Quadrature. <i>SIAM Journal of Scientific Computing</i> , 2013 , 35, A2046-A2068	2.6	24
208	Error estimates for large-scale ill-posed problems. <i>Numerical Algorithms</i> , 2009 , 51, 341-361	2.1	24
207	The extended Krylov subspace method and orthogonal Laurent polynomials. <i>Linear Algebra and Its Applications</i> , 2009 , 431, 441-458	0.9	24
206	Recursion relations for the extended Krylov subspace method. <i>Linear Algebra and Its Applications</i> , 2011 , 434, 1716-1732	0.9	24
205	GCV for Tikhonov regularization by partial SVD. <i>BIT Numerical Mathematics</i> , 2017 , 57, 1019-1039	1.7	23
204	On the solution of large Sylvester-observer equations. <i>Numerical Linear Algebra With Applications</i> , 2001 , 8, 435-451	1.6	23
203	Modulus-based iterative methods for constrained Tikhonov regularization. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 319, 1-13	2.4	22

202	A truncated projected SVD method for linear discrete ill-posed problems. <i>Numerical Algorithms</i> , 2007 , 43, 197-213	2.1	22
201	Orthogonal projection regularization operators. <i>Numerical Algorithms</i> , 2007 , 44, 99-114	2.1	22
200	Iterative methods for ill-posed problems and semiconvergent sequences. <i>Journal of Computational and Applied Mathematics</i> , 2006 , 193, 157-167	2.4	22
199	Algorithm 827. <i>ACM Transactions on Mathematical Software</i> , 2003 , 29, 337-348	2.3	22
198	An implementation of a divide and conquer algorithm for the unitary eigen problem. <i>ACM Transactions on Mathematical Software</i> , 1992 , 18, 292-307	2.3	22
197	An adaptive Chebyshev iterative method for nonsymmetric linear systems based on modified moments. <i>Numerische Mathematik</i> , 1994 , 67, 21-40	2.2	21
196	Newton Interpolation in Fejer and Chebyshev Points. <i>Mathematics of Computation</i> , 1989 , 53, 265	1.6	21
195	GCV for Tikhonov regularization via global Golub-Rahan decomposition. <i>Numerical Linear Algebra With Applications</i> , 2016 , 23, 467-484	1.6	21
194	Majorization-minimization generalized Krylov subspace methods for (ℓ_p) (ℓ_q) optimization applied to image restoration. <i>BIT Numerical Mathematics</i> , 2017 , 57, 351-378	1.7	20
193	Iterated Tikhonov regularization with a general penalty term. <i>Numerical Linear Algebra With Applications</i> , 2017 , 24, e2089	1.6	20
192	Simplified GSVD computations for the solution of linear discrete ill-posed problems. <i>Journal of Computational and Applied Mathematics</i> , 2014 , 255, 15-27	2.4	20
191	Algorithms for range restricted iterative methods for linear discrete ill-posed problems. <i>Numerical Algorithms</i> , 2012 , 59, 325-331	2.1	20
190	An extrapolated TSVD method for linear discrete ill-posed problems with Kronecker structure. <i>Linear Algebra and Its Applications</i> , 2011 , 434, 1677-1688	0.9	20
189	Incomplete partial fractions for parallel evaluation of rational matrix functions. <i>Journal of Computational and Applied Mathematics</i> , 1995 , 59, 349-380	2.4	20
188	Decomposition methods for large linear discrete ill-posed problems. <i>Journal of Computational and Applied Mathematics</i> , 2007 , 198, 332-343	2.4	19
187	Gram Polynomials and the Kummer Function. <i>Journal of Approximation Theory</i> , 1998 , 94, 128-143	0.9	18
186	Square smoothing regularization matrices with accurate boundary conditions. <i>Journal of Computational and Applied Mathematics</i> , 2014 , 272, 334-349	2.4	17
185	On the generation of Krylov subspace bases. <i>Applied Numerical Mathematics</i> , 2012 , 62, 1171-1186	2.5	17

184	Matrices, moments, and rational quadrature. <i>Linear Algebra and Its Applications</i> , 2008 , 429, 2540-2554	0.9	17
183	Constructing a Unitary Hessenberg Matrix from Spectral Data 1991 , 385-395		17
182	Fractional Tikhonov regularization with a nonlinear penalty term. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 324, 142-154	2.4	16
181	Bounding matrix functionals via partial global block Lanczos decomposition. <i>Applied Numerical Mathematics</i> , 2015 , 94, 127-139	2.5	16
180	Parameter determination for Tikhonov regularization problems in general form. <i>Journal of Computational and Applied Mathematics</i> , 2018 , 343, 12-25	2.4	16
179	Regularization matrices determined by matrix nearness problems. <i>Linear Algebra and Its Applications</i> , 2016 , 502, 41-57	0.9	15
178	Discrete ill-posed least-squares problems with a solution norm constraint. <i>Linear Algebra and Its Applications</i> , 2012 , 436, 3801-3818	0.9	15
177	Cascadic Multiresolution Methods for Image Deblurring. <i>SIAM Journal on Imaging Sciences</i> , 2008 , 1, 51-74.	1.9	15
176	Augmented GMRES-type methods. <i>Numerical Linear Algebra With Applications</i> , 2007 , 14, 337-350	1.6	15
175	Szegő-Obatto quadrature rules. <i>Journal of Computational and Applied Mathematics</i> , 2007 , 200, 116-126	2.4	15
174	A global Lanczos method for image restoration. <i>Journal of Computational and Applied Mathematics</i> , 2016 , 300, 233-244	2.4	14
173	Inverse problems for regularization matrices. <i>Numerical Algorithms</i> , 2012 , 60, 531-544	2.1	14
172	Cascadic multilevel methods for ill-posed problems. <i>Journal of Computational and Applied Mathematics</i> , 2010 , 233, 1314-1325	2.4	14
171	A regularizing Lanczos iteration method for underdetermined linear systems. <i>Journal of Computational and Applied Mathematics</i> , 2000 , 115, 101-120	2.4	14
170	Solution methods for linear discrete ill-posed problems for color image restoration. <i>BIT Numerical Mathematics</i> , 2018 , 58, 555-576	1.7	13
169	Generalized averaged Gauss quadrature rules for the approximation of matrix functionals. <i>BIT Numerical Mathematics</i> , 2016 , 56, 1045-1067	1.7	13
168	Computation of a Few Small Eigenvalues of a Large Matrix with Application to Liquid Crystal Modeling. <i>Journal of Computational Physics</i> , 1998 , 146, 203-226	4.1	13
167	An iterative method for linear discrete ill-posed problems with box constraints. <i>Journal of Computational and Applied Mathematics</i> , 2007 , 198, 505-520	2.4	13

166	An $(\ell^2\text{-}\ell^q)$ Regularization Method for Large Discrete Ill-Posed Problems. <i>Journal of Scientific Computing</i> , 2019 , 78, 1526-1549	2.3	13
165	Rescaling the GSVD with application to ill-posed problems. <i>Numerical Algorithms</i> , 2015 , 68, 531-545	2.1	12
164	Fractional regularization matrices for linear discrete ill-posed problems. <i>Journal of Engineering Mathematics</i> , 2015 , 93, 113-129	1.2	12
163	Iterative Tikhonov regularization of tensor equations based on the Arnoldi process and some of its generalizations. <i>Applied Numerical Mathematics</i> , 2020 , 151, 425-447	2.5	12
162	A modified truncated singular value decomposition method for discrete ill-posed problems. <i>Numerical Linear Algebra With Applications</i> , 2014 , 21, 813-822	1.6	12
161	Quadrature Rules Based on the Arnoldi Process. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2005 , 26, 765-781	1.5	12
160	Lanczos-Based Exponential Filtering for Discrete Ill-Posed Problems. <i>Numerical Algorithms</i> , 2002 , 29, 45-65	2.1	12
159	Symmetric Gauss-Łobatto and Modified Anti-Gauss Rules. <i>BIT Numerical Mathematics</i> , 2003 , 43, 541-554	1.7	12
158	Enriched Krylov subspace methods for ill-posed problems. <i>Linear Algebra and Its Applications</i> , 2003 , 362, 257-273	0.9	12
157	Computable error bounds and estimates for the conjugate gradient method. <i>Numerical Algorithms</i> , 2000 , 25, 75-88	2.1	12
156	Iterative exponential filtering for large discrete ill-posed problems. <i>Numerische Mathematik</i> , 1999 , 83, 535-556	2.2	12
155	Analysis of directed networks via the matrix exponential. <i>Journal of Computational and Applied Mathematics</i> , 2019 , 355, 182-192	2.4	11
154	Arnoldi methods for image deblurring with anti-reflective boundary conditions. <i>Applied Mathematics and Computation</i> , 2015 , 253, 135-150	2.7	11
153	Wavelet-based multilevel methods for linear ill-posed problems. <i>BIT Numerical Mathematics</i> , 2011 , 51, 669-694	1.7	11
152	The structured distance to normality of banded Toeplitz matrices. <i>BIT Numerical Mathematics</i> , 2009 , 49, 629-640	1.7	11
151	A generalized LSQR algorithm. <i>Numerical Linear Algebra With Applications</i> , 2008 , 15, 643-660	1.6	11
150	On the Evaluation of Polynomial Coefficients. <i>Numerical Algorithms</i> , 2003 , 33, 153-161	2.1	11
149	Continuation methods for the computation of zeros of Szegő polynomials. <i>Linear Algebra and Its Applications</i> , 1996 , 249, 125-155	0.9	11

148	An adaptive Richardson iteration method for indefinite linear systems. <i>Numerical Algorithms</i> , 1996 , 12, 125-149	2.1	11
147	On polynomial approximation in the complex plane with application to conformal mapping. <i>Mathematics of Computation</i> , 1985 , 44, 425-425	1.6	11
146	On the computation of a truncated SVD of a large linear discrete ill-posed problem. <i>Numerical Algorithms</i> , 2017 , 75, 359-380	2.1	10
145	Iterative Solution Methods for Large Linear Discrete Ill-Posed Problems 1999 , 313-367		10
144	Construction of polynomials that are orthogonal with respect to a discrete bilinear form. <i>Advances in Computational Mathematics</i> , 1993 , 1, 241-258	1.6	10
143	Numerical methods for analytic continuation and mesh generation. <i>Constructive Approximation</i> , 1986 , 2, 23-39	1.6	10
142	Generalized singular value decomposition with iterated Tikhonov regularization. <i>Journal of Computational and Applied Mathematics</i> , 2020 , 373, 112276	2.4	10
141	Golub-Rahan bidiagonalization for ill-conditioned tensor equations with applications. <i>Numerical Algorithms</i> , 2020 , 84, 1535-1563	2.1	9
140	Some matrix nearness problems suggested by Tikhonov regularization. <i>Linear Algebra and Its Applications</i> , 2016 , 502, 366-386	0.9	9
139	Application of denoising methods to regularization of ill-posed problems. <i>Numerical Algorithms</i> , 2014 , 66, 761-777	2.1	9
138	FGMRES for linear discrete ill-posed problems. <i>Applied Numerical Mathematics</i> , 2014 , 75, 175-187	2.5	9
137	The structure of matrices in rational Gauss quadrature. <i>Mathematics of Computation</i> , 2013 , 82, 2035-2060	0.6	9
136	The structured distance to normality of Toeplitz matrices with application to preconditioning. <i>Numerical Linear Algebra With Applications</i> , 2011 , 18, 429-447	1.6	9
135	Vector extrapolation enhanced TSVD for linear discrete ill-posed problems. <i>Numerical Algorithms</i> , 2009 , 51, 195-208	2.1	9
134	Polynomial zero finders based on Szegő polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2001 , 127, 1-16	2.4	9
133	An iterative method with error estimators. <i>Journal of Computational and Applied Mathematics</i> , 2001 , 127, 93-119	2.4	9
132	On the determination of boundary collocation points for solving some problems for the Laplace operator. <i>Journal of Computational and Applied Mathematics</i> , 1984 , 11, 175-196	2.4	9
131	New block quadrature rules for the approximation of matrix functions. <i>Linear Algebra and Its Applications</i> , 2016 , 502, 299-326	0.9	8

130	Global Golub-Kahan bidiagonalization applied to large discrete ill-posed problems. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 322, 46-56	2.4	8
129	A Golub-Kahan-Type Reduction Method for Matrix Pairs. <i>Journal of Scientific Computing</i> , 2015 , 65, 767-789	2.3	8
128	An β - q minimization method with cross-validation for the restoration of impulse noise contaminated images. <i>Journal of Computational and Applied Mathematics</i> , 2020 , 375, 112824	2.4	8
127	Simplified anti-Gauss quadrature rules with applications in linear algebra. <i>Numerical Algorithms</i> , 2018 , 77, 577-602	2.1	8
126	Projected nonstationary iterated Tikhonov regularization. <i>BIT Numerical Mathematics</i> , 2016 , 56, 467-487	1.7	8
125	On the choice of subspace for large-scale Tikhonov regularization problems in general form. <i>Numerical Algorithms</i> , 2019 , 81, 33-55	2.1	8
124	Analysis of directed networks via partial singular value decomposition and Gauss quadrature. <i>Linear Algebra and Its Applications</i> , 2014 , 456, 93-121	0.9	8
123	An augmented LSQR method. <i>Numerical Algorithms</i> , 2013 , 64, 263-293	2.1	8
122	A generalized global Arnoldi method for ill-posed matrix equations. <i>Journal of Computational and Applied Mathematics</i> , 2012 , 236, 2078-2089	2.4	8
121	Cascadic multilevel methods for fast nonsymmetric blur- and noise-removal. <i>Applied Numerical Mathematics</i> , 2010 , 60, 378-396	2.5	8
120	Noise-reducing cascadic multilevel methods for linear discrete ill-posed problems. <i>Numerical Algorithms</i> , 2010 , 53, 1-22	2.1	8
119	The Arnoldi Process and GMRES for Nearly Symmetric Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2008 , 30, 102-120	1.5	8
118	Greedy Tikhonov regularization for large linear ill-posed problems. <i>International Journal of Computer Mathematics</i> , 2007 , 84, 1151-1166	1.2	8
117	An iterative Lavrentiev regularization method. <i>BIT Numerical Mathematics</i> , 2006 , 46, 589-606	1.7	8
116	On the construction of Szegő polynomials. <i>Journal of Computational and Applied Mathematics</i> , 1993 , 46, 241-254	2.4	8
115	On polynomial approximation in the uniform norm by the discrete least squares method. <i>BIT Numerical Mathematics</i> , 1986 , 26, 349-368	1.7	8
114	A method for preconditioning matrices arising from linear integral equations for elliptic boundary value problems. <i>Computing (Vienna/New York)</i> , 1986 , 37, 125-136	2.2	8
113	Polynomials by Conformal Mapping for the Richardson Iteration Method for Complex Linear Systems. <i>SIAM Journal on Numerical Analysis</i> , 1988 , 25, 1359-1368	2.4	8

112	Applications of Anti-Gauss Quadrature Rules in Linear Algebra 1999 , 41-56		8
111	Arnoldi decomposition, GMRES, and preconditioning for linear discrete ill-posed problems. <i>Applied Numerical Mathematics</i> , 2019 , 142, 102-121	2.5	7
110	Tikhonov regularization via flexible Arnoldi reduction. <i>BIT Numerical Mathematics</i> , 2015 , 55, 1145-1168	1.7	7
109	Truncated generalized averaged Gauss quadrature rules. <i>Journal of Computational and Applied Mathematics</i> , 2016 , 308, 408-418	2.4	7
108	Rational Gauss Quadrature. <i>SIAM Journal on Numerical Analysis</i> , 2014 , 52, 832-851	2.4	7
107	On the reduction of Tikhonov minimization problems and the construction of regularization matrices. <i>Numerical Algorithms</i> , 2012 , 60, 683-696	2.1	7
106	An L-ribbon for large underdetermined linear discrete ill-posed problems. <i>Numerical Algorithms</i> , 2000 , 25, 89-107	2.1	7
105	An analogue for Szegő polynomials of the Clenshaw algorithm. <i>Journal of Computational and Applied Mathematics</i> , 1993 , 46, 211-216	2.4	7
104	Regularization matrices for discrete ill-posed problems in several space dimensions. <i>Numerical Linear Algebra With Applications</i> , 2018 , 25, e2163	1.6	6
103	On the Lanczos and Golub-Kahan reduction methods applied to discrete ill-posed problems. <i>Numerical Linear Algebra With Applications</i> , 2016 , 23, 187-204	1.6	6
102	A new framework for multi-parameter regularization. <i>BIT Numerical Mathematics</i> , 2016 , 56, 919-949	1.7	6
101	Internality of generalized averaged Gaussian quadrature rules and truncated variants for modified Chebyshev measures of the second kind. <i>Journal of Computational and Applied Mathematics</i> , 2019 , 345, 70-85	2.4	6
100	Generalized averaged Szegő quadrature rules. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 311, 645-654	2.4	6
99	Alternating Krylov subspace image restoration methods. <i>Journal of Computational and Applied Mathematics</i> , 2012 , 236, 2049-2062	2.4	6
98	Recurrence relations for orthogonal rational functions. <i>Numerische Mathematik</i> , 2013 , 123, 629-642	2.2	6
97	Subspace-restricted singular value decompositions for linear discrete ill-posed problems. <i>Journal of Computational and Applied Mathematics</i> , 2010 , 235, 1053-1064	2.4	6
96	An interior-point method for large constrained discrete ill-posed problems. <i>Journal of Computational and Applied Mathematics</i> , 2010 , 233, 1288-1297	2.4	6
95	The restarted QR-algorithm for eigenvalue computation of structured matrices. <i>Journal of Computational and Applied Mathematics</i> , 2002 , 149, 415-422	2.4	6

94	On the selection of poles in the single-input pole placement problem. <i>Linear Algebra and Its Applications</i> , 1999 , 302-303, 331-345	0.9	6
93	Determination Of Pisarenko Frequency Estimates As Eigenvalues Of An Orthogonal Matrix 1988 ,		6
92	The extended global Lanczos method for matrix function approximation. <i>Electronic Transactions on Numerical Analysis</i> , 50 , 144-163		6
91	Modulus-based iterative methods for constrained ℓ_1 minimization. <i>Inverse Problems</i> , 2020 , 36, 084001	2.3	6
90	Eigenvector sensitivity under general and structured perturbations of tridiagonal Toeplitz-type matrices. <i>Numerical Linear Algebra With Applications</i> , 2019 , 26, e2232	1.6	5
89	Generalized anti-Gauss quadrature rules. <i>Journal of Computational and Applied Mathematics</i> , 2015 , 284, 235-243	2.4	5
88	Adaptive cross approximation for ill-posed problems. <i>Journal of Computational and Applied Mathematics</i> , 2016 , 303, 206-217	2.4	5
87	Numerical aspects of the nonstationary modified linearized Bregman algorithm. <i>Applied Mathematics and Computation</i> , 2018 , 337, 386-398	2.7	5
86	Generalized circulant Strang-type preconditioners. <i>Numerical Linear Algebra With Applications</i> , 2012 , 19, 3-17	1.6	5
85	Extensions of the Justen-Bamlau blind deconvolution method. <i>Advances in Computational Mathematics</i> , 2013 , 39, 465-491	1.6	5
84	Image Denoising via Residual Kurtosis Minimization. <i>Numerical Mathematics</i> , 2015 , 8, 406-424	1.5	5
83	Fast computation of convolution operations via low-rank approximation. <i>Applied Numerical Mathematics</i> , 2014 , 75, 136-153	2.5	5
82	A hybrid multilevel-active set method for large box-constrained linear discrete ill-posed problems. <i>Calcolo</i> , 2011 , 48, 89-105	1.5	5
81	Application of a block modified Chebyshev algorithm to the iterative solution of symmetric linear systems with multiple right hand side vectors. <i>Numerische Mathematik</i> , 1994 , 68, 3-16	2.2	5
80	Internality of generalized averaged Gaussian quadrature rules and truncated variants for measures induced by Chebyshev polynomials. <i>Applied Numerical Mathematics</i> , 2019 , 142, 190-205	2.5	4
79	Vector extrapolation applied to truncated singular value decomposition and truncated iteration. <i>Journal of Engineering Mathematics</i> , 2015 , 93, 99-112	1.2	4
78	A rational Arnoldi process with applications. <i>Numerical Linear Algebra With Applications</i> , 2016 , 23, 1007-1022	1.2	4
77	On the choice of solution subspace for nonstationary iterated Tikhonov regularization. <i>Numerical Algorithms</i> , 2016 , 72, 1043-1063	2.1	4

76	Generalized block anti-Gauss quadrature rules. <i>Numerische Mathematik</i> , 2019 , 143, 605-648	2.2	4
75	The structure of iterative methods for symmetric linear discrete ill-posed problems. <i>BIT Numerical Mathematics</i> , 2014 , 54, 129-145	1.7	4
74	Projected Tikhonov Regularization of Large-Scale Discrete Ill-Posed Problems. <i>Journal of Scientific Computing</i> , 2013 , 56, 471-493	2.3	4
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