Juan Manuel PeÃ±a

List of Publications by Year
in descending order

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193 papers	3,142 citations	201674 27 h-index	223800 46 g-index
197 all docs	197 docs citations	197 times ranked	553 citing authors

#	Article	IF	Citations
1	Total positivity and Neville elimination. Linear Algebra and Its Applications, 1992, 165, 25-44.	0.9	186
2	Local Decomposition of Refinable Spaces and Wavelets. Applied and Computational Harmonic Analysis, 1996, 3, 127-153.	2.2	168
3	Shape preserving alternatives to the rational BÃ©zier model. Computer Aided Geometric Design, 2001, 18, 37-60.	1.2	130
4	Totally positive bases for shape preserving curve design and optimality of B-splines. Computer Aided Geometric Design, 1994, 11, 633-654.	1.2	117
5	A matricial description of Neville elimination with applications to total positivity. Linear Algebra and Its Applications, 1994, 202, 33-53.	0.9	95
6	A Class of P-Matrices with Applications to the Localization of the Eigenvalues of a Real Matrix. SIAM Journal on Matrix Analysis and Applications, 2001, 22, 1027-1037.	1.4	91
7	Shape preserving representations for trigonometric polynomial curves. Computer Aided Geometric Design, 1997, 14, 5-11.	1.2	79
8	On Factorizations of Totally Positive Matrices. , 1996, , 109-130.		78
9	Critical Length for Design Purposes and Extended Chebyshev Spaces. Constructive Approximation, 2003, 20, 55-71.	3.0	71
10	Total Positivity, QR Factorization, and Neville Elimination. SIAM Journal on Matrix Analysis and Applications, 1993, 14, 1132-1140.	1.4	66
11	Progressive iterative approximation and bases with the fastest convergence rates. Computer Aided Geometric Design, 2007, 24, 10-18.	1.2	55
12	Error bounds for linear complementarity problems for B-matrices. Applied Mathematics Letters, 2009, 22, 1071-1075.	2.7	55
13	A shape preserving representation with an evaluation algorithm of linear complexity. Computer Aided Geometric Design, 2003, 20, 1-10.	1.2	50
14	A comparison of error bounds for linear complementarity problems of H-matrices. Linear Algebra and Its Applications, 2010, 433, 956-964.	0.9	45
15	On an alternative to Gerschgorin circles and ovals of Cassini. Numerische Mathematik, 2003, 95, 337-345.	1.9	44
16	B-splines and optimal stability. Mathematics of Computation, 1997, 66, 1555-1561.	2.1	39
17	Strictly Totally Positive Systems. Journal of Approximation Theory, 1998, 92, 411-441.	0.8	38
18	On the Multivariate Horner Scheme. SIAM Journal on Numerical Analysis, 2000, 37, 1186-1197.	2.3	38

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19	Optimally Stable Multivariate Bases. Advances in Computational Mathematics, 2004, 20, 149-159.	1.6	38
20	Error bounds for linear complementarity problems of Nekrasov matrices. Numerical Algorithms, 2014, 67, 655-667.	1.9	37
21	A general class of Bernstein-like bases. Computers and Mathematics With Applications, 2007, 53, 1686-1703.	2.7	36
22	Corner cutting algorithms associated with optimal shape preserving representations. Computer Aided Geometric Design, 1999, 16, 883-906.	1.2	35
23	Factorizations of Cauchy-Vandermonde matrices. Linear Algebra and Its Applications, 1998, 284, 229-237.	0.9	33
24	A basis of C-BÃ©zier splines with optimal properties. Computer Aided Geometric Design, 2002, 19, 291-295.	1.2	33
25	Error bounds for linear complementarity problems involving <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msup><mml:mrow><mml:mi>B</mml:mi></mml:mrow><mml:mrow><mml:mi>S</mml:mi></mml:mrow></mml:msup></mml:math> matrices. Applied Mathematics Letters, 2012, 25, 1379-1383.	2.7	33
26	Accurate Computations with Collocation Matrices of q-Bernstein Polynomials. SIAM Journal on Matrix Analysis and Applications, 2015, 36, 880-893.	1.4	32
27	B-Nekrasov matrices and error bounds for linear complementarity problems. Numerical Algorithms, 2016, 72, 435-445.	1.9	31
28	Backward error analysis of Neville elimination. Applied Numerical Mathematics, 1997, 23, 193-204.	2.1	30
29	On the optimal stability of bases of univariate functions. Numerische Mathematik, 2002, 91, 305-318.	1.9	30
30	Convexity of rational curves and total positivity. Journal of Computational and Applied Mathematics, 1996, 71, 365-382.	2.0	29
31	M-matrices whose inverses are totally positive. Linear Algebra and Its Applications, 1995, 221, 189-193.	0.9	28
32	Characterizations and stable tests for the Routhâ€“Hurwitz conditions and for total positivity. Linear Algebra and Its Applications, 2004, 393, 319-332.	0.9	28
33	Error analysis of corner cutting algorithms. Numerical Algorithms, 1999, 22, 41-52.	1.9	27
34	Conditioning and accurate computations with Pascal matrices. Journal of Computational and Applied Mathematics, 2013, 252, 21-26.	2.0	25
35	Error bounds for the linear complementarity problem with a Î£-SDD matrix. Linear Algebra and Its Applications, 2013, 438, 1339-1346.	0.9	24
36	Least supported bases and local linear independence. Numerische Mathematik, 1994, 67, 289-301.	1.9	23

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37	Accurate computations with collocation matrices of rational bases. Applied Mathematics and Computation, 2013, 219, 4354-4364.	2.2	23
38	On nonsingular sign regular matrices. Linear Algebra and Its Applications, 2003, 359, 91-100.	0.9	22
39	Scaled pivoting in Gauss and Neville elimination for totally positive systems. Applied Numerical Mathematics, 1993, 13, 345-355.	2.1	21
40	Accurate bidiagonal decomposition of totally positive Cauchyâ€“Vandermonde matrices and applications. Linear Algebra and Its Applications, 2017, 517, 63-84.	0.9	21
41	Fast algorithms of BjÃ¶rck-Pereyra type for solving Cauchy-Vandermonde linear systems. Applied Numerical Mathematics, 1998, 26, 343-352.	2.1	20
42	Monotonicity preservation on triangles. Mathematics of Computation, 1999, 69, 1505-1520.	2.1	19
43	Almost strict total positivity and a class of Hurwitz polynomials. Journal of Approximation Theory, 2005, 132, 212-223.	0.8	19
44	Characterizations and Decompositions of Almost Strictly Positive Matrices. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 1-8.	1.4	19
45	On the generalized Ball bases. Advances in Computational Mathematics, 2006, 24, 263-280.	1.6	18
46	Optimal bases for a class of mixed spaces and their associated spline spaces. Computers and Mathematics With Applications, 2010, 59, 1509-1523.	2.7	18
47	Accurate computations of matrices with bidiagonal decomposition using methods for totally positive matrices. Numerical Linear Algebra With Applications, 2013, 20, 413-424.	1.6	18
48	On Transforming a Tchebycheff System into a Strictly Totally Positive System. Journal of Approximation Theory, 1995, 81, 274-295.	0.8	17
49	On the progressive iteration approximation property and alternative iterations. Computer Aided Geometric Design, 2011, 28, 523-526.	1.2	17
50	Optimal stability of the Lagrange formula and conditioning of the Newton formula. Journal of Approximation Theory, 2019, 238, 52-66.	0.8	17
51	On the Multivariate Horner Scheme II: Running Error Analysis. Computing (Vienna/New York), 2000, 65, 313-322.	4.8	16
52	Numerical evaluation of the pth derivative of Jacobi series. Applied Numerical Mathematics, 2002, 43, 335-357.	2.1	16
53	On the characterization of almost strictly sign regular matrices. Journal of Computational and Applied Mathematics, 2015, 275, 480-488.	2.0	16
54	Linear convexity conditions for rectangular and triangular Bernstein-BÃ©zier surfaces. Computer Aided Geometric Design, 1997, 15, 27-38.	1.2	15

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55	Sign regular matrices and Neville elimination. Linear Algebra and Its Applications, 2007, 421, 53-62.	0.9	15
56	Eigenvalue Localization Refinements for Matrices Related to Positivity. SIAM Journal on Matrix Analysis and Applications, 2011, 32, 771-784.	1.4	15
57	Fast and accurate algorithms for Jacobiâ€“Stirling matrices. Applied Mathematics and Computation, 2014, 236, 253-259.	2.2	15
58	Minimal non-cc-groups. Communications in Algebra, 1988, 16, 1231-1242.	0.6	14
59	Generalized convexity preserving transformations. Computer Aided Geometric Design, 1996, 13, 179-197.	1.2	14
60	Linear conditions for positive determinants. Linear Algebra and Its Applications, 1999, 292, 39-59.	0.9	14
61	Exclusion and Inclusion Intervals for the Real Eigenvalues of Positive Matrices. SIAM Journal on Matrix Analysis and Applications, 2005, 26, 908-917.	1.4	14
62	On the Critical Lengths of Cycloidal Spaces. Constructive Approximation, 2014, 39, 573-583.	3.0	14
63	Locally inner automorphisms of CC-groups. Journal of Algebra, 1991, 141, 382-398.	0.7	13
64	Backward stability of a pivoting strategy for sign-regular linear systems. BIT Numerical Mathematics, 1997, 37, 910-924.	2.0	13
65	A Corner Cutting Algorithm for Evaluating Rational BÃ©zier Surfaces and the Optimal Stability of the Basis. SIAM Journal of Scientific Computing, 2007, 29, 1668-1682.	2.8	13
66	Are rational BÃ©zier surfaces monotonicity preserving?. Computer Aided Geometric Design, 2007, 24, 303-306.	1.2	13
67	Running Relative Error for the Evaluation of Polynomials. SIAM Journal of Scientific Computing, 2009, 31, 3905-3921.	2.8	13
68	Diagonal dominance, Schur complements and some classes of H-matrices and P-matrices. Advances in Computational Mathematics, 2011, 35, 357-373.	1.6	13
69	Quadratic-Cycloidal Curves. Advances in Computational Mathematics, 2004, 20, 161-175.	1.6	12
70	Shape preservation regions for six-dimensional spaces. Advances in Computational Mathematics, 2007, 26, 121-136.	1.6	12
71	A stable test for strict sign regularity. Mathematics of Computation, 2008, 77, 2155-2171.	2.1	12
72	Richardson method and totally nonnegative linear systems. Linear Algebra and Its Applications, 2010, 433, 2010-2017.	0.9	12

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73	Optimal Conditioning of Bernstein Collocation Matrices. SIAM Journal on Matrix Analysis and Applications, 2010, 31, 990-996.	1.4	12
74	Accurate computations with LupaÅŸ matrices. Applied Mathematics and Computation, 2017, 303, 171-177.	2.2	12
75	Accurate Algorithms for Bessel Matrices. Journal of Scientific Computing, 2019, 80, 1264-1278.	2.3	12
76	Accurate computations with Laguerre matrices. Numerical Linear Algebra With Applications, 2019, 26, e2217.	1.6	12
77	Some classes of nonsingular matrices and applications. Linear Algebra and Its Applications, 2013, 438, 1936-1945.	0.9	11
78	Tensor-product monotonicity preservation. Advances in Computational Mathematics, 1998, 9, 353-362.	1.6	10
79	Pivoting strategies leading to diagonal dominance by rows. Numerische Mathematik, 1998, 81, 293-304.	1.9	10
80	A note on the optimal stability of bases of univariate functions. Numerische Mathematik, 2006, 103, 151-154.	1.9	10
81	Three term recurrence for the evaluation of multivariate orthogonal polynomials. Journal of Approximation Theory, 2010, 162, 407-420.	0.8	10
82	Growth factors of pivoting strategies associated with Neville elimination. Journal of Computational and Applied Mathematics, 2011, 235, 1755-1762.	2.0	10
83	B $$_pi ^R$$ Ï€ R -matrices and error bounds for linear complementarity problems. Calcolo, 2017, 54, 813-822.	1.1	10
84	Accurate computations with collocation matrices of a general class of bases. Numerical Linear Algebra With Applications, 2018, 25, e2184.	1.6	10
85	Matrices with Sign Consistency of a Given Order. SIAM Journal on Matrix Analysis and Applications, 1995, 16, 1100-1106.	1.4	9
86	Pivoting strategies leading to small bounds of the errors for certain linear systems. IMA Journal of Numerical Analysis, 1996, 16, 141-153.	2.9	9
87	Representing circles with five control points. Computer Aided Geometric Design, 2003, 20, 501-511.	1.2	9
88	Evaluation algorithms for multivariate polynomials in Bernsteinâ€“BÃ©zier form. Journal of Approximation Theory, 2006, 143, 44-61.	0.8	9
89	Convexity preserving scattered data interpolation using Powellâ€“Sabin elements. Computer Aided Geometric Design, 2009, 26, 779-796.	1.2	9
90	Progressive iteration approximation and the geometric algorithm. CAD Computer Aided Design, 2012, 44, 143-145.	2.7	9

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91	SVD update methods for large matrices and applications. Linear Algebra and Its Applications, 2019, 561, 41-62.	0.9	9
92	On the asymptotic optimality of error bounds for some linear complementarity problems. Numerical Algorithms, 2019, 80, 521-532.	1.9	9
93	Geometric Properties and Algorithms for Rational q-BÃ©zier Curves and Surfaces. Mathematics, 2020, 8, 541.	2.2	9
94	CC-groups with periodic central factor. Manuscripta Mathematica, 1990, 69, 93-105.	0.6	8
95	Locally graded minimal non CC-groups arep-groups. Archiv Der Mathematik, 1991, 57, 209-211.	0.5	8
96	Characterizations of the Optimal Descartes' Rules of Signs. Mathematische Nachrichten, 1998, 189, 33-48.	0.8	8
97	Basis conversions among univariate polynomial representations. Comptes Rendus Mathematique, 2004, 339, 293-298.	0.3	8
98	Corner cutting systems. Computer Aided Geometric Design, 2005, 22, 81-97.	1.2	8
99	Error analysis of efficient evaluation algorithms for tensor product surfaces. Journal of Computational and Applied Mathematics, 2008, 219, 156-169.	2.0	8
100	Minimal sets alternative to minimal GerÅ¡gorin sets. Applied Numerical Mathematics, 2010, 60, 442-451.	2.1	8
101	Characterizations of Jacobi sign regular matrices. Linear Algebra and Its Applications, 2012, 436, 381-388.	0.9	8
102	Critical lengths of cycloidal spaces are zeros of Bessel functions. Calcolo, 2017, 54, 1521-1531.	1.1	8
103	Groups in which every proper subgroup is ?ernikov-by-nilpotent or nilpotent-by-?ernikov. Archiv Der Mathematik, 1988, 51, 193-197.	0.5	7
104	Scaled Pivots and Scaled Partial Pivoting Strategies. SIAM Journal on Numerical Analysis, 2003, 41, 1022-1031.	2.3	7
105	A collection of examples where Neville elimination outperforms Gaussian elimination. Applied Mathematics and Computation, 2010, 216, 2525-2533.	2.2	7
106	Eventually SDD matrices and eigenvalue localization. Applied Mathematics and Computation, 2015, 252, 535-540.	2.2	7
107	Infinity norm bounds for the inverse of Nekrasov matrices using scaling matrices. Applied Mathematics and Computation, 2019, 358, 119-127.	2.2	7
108	Central orderings for the Newton interpolation formula. BIT Numerical Mathematics, 2019, 59, 371-386.	2.0	7

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109	Knot Insertion and Totally Positive Systems. Journal of Approximation Theory, 2000, 104, 45-76.	0.8	6
110	A linear complexity algorithm for the Bernstein basis. , 0, , .		6
111	A stable test to check if a matrix is a nonsingular M-matrix. Mathematics of Computation, 2004, 73, 1385-1393.	2.1	6
112	Running Error Analysis of Evaluation Algorithms for Bivariate Polynomials in Barycentric Bernstein Form. Computing (Vienna/New York), 2006, 77, 97-111.	4.8	6
113	Algorithm 960. ACM Transactions on Mathematical Software, 2016, 42, 1-19.	2.9	6
114	Combined matrices of almost strictly sign regular matrices. Journal of Computational and Applied Mathematics, 2019, 354, 144-151.	2.0	6
115	Evaluation and subdivision algorithms for general classes of totally positive rational bases. Computer Aided Geometric Design, 2020, 81, 101900.	1.2	6
116	On the schur and singular value decompositions of oscillatory matrices. Linear Algebra and Its Applications, 1997, 261, 307-315.	0.9	5
117	Sign Regular Matrices of Order Two. Linear and Multilinear Algebra, 2002, 50, 91-97.	1.0	5
118	On Zero-Preserving Linear Transformations. Journal of Mathematical Analysis and Applications, 2002, 266, 237-258.	1.0	5
119	Evaluation of the derivative of a polynomial in Bernstein form. Applied Mathematics and Computation, 2005, 167, 125-142.	2.2	5
120	Iterative refinement for Neville elimination. International Journal of Computer Mathematics, 2009, 86, 341-353.	1.8	5
121	Interpolation on cycloidal spaces. Journal of Approximation Theory, 2014, 187, 18-29.	0.8	5
122	Almost strictly totally negative matrices: An algorithmic characterization. Journal of Computational and Applied Mathematics, 2015, 275, 238-246.	2.0	5
123	Accurate evaluation of BÃ©zier curves and surfaces and the Bernstein-Fourier algorithm. Applied Mathematics and Computation, 2015, 271, 113-122.	2.2	5
124	Accurate and fast computations with positive extended Schoenmakersâ€“Coffey matrices. Numerical Linear Algebra With Applications, 2016, 23, 1023-1031.	1.6	5
125	Accurate bidiagonal decomposition of collocation matrices of weighted Ï• â€transformed systems. Numerical Linear Algebra With Applications, 2020, 27, e2295.	1.6	5
126	Monotonicity preserving representations of curves and surfaces. Applied Mathematics and Nonlinear Sciences, 2016, 1, 517-528.	1.6	5

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127	Nilpotent-by-ÄŒernikov CC-groups. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1992, 53, 120-130.	0.3	4
128	A Marsden Type Identity for Periodic Trigonometric Splines. Journal of Approximation Theory, 1993, 75, 248-265.	0.8	4
129	Development of block and partitioned Neville elimination. Comptes Rendus Mathematique, 1999, 329, 1091-1096.	0.5	4
130	Determinantal criteria for total positivity. Linear Algebra and Its Applications, 2001, 332-334, 131-137.	0.9	4
131	Simultaneous backward stability of Gauss and Gauss-Jordan elimination. Numerical Linear Algebra With Applications, 2003, 10, 317-321.	1.6	4
132	On Descartes' rules of signs and their exactness. Mathematische Nachrichten, 2005, 278, 1706-1713.	0.8	4
133	Refining Gerschgorin disks through new criteria for nonsingularity. Numerical Linear Algebra With Applications, 2007, 14, 665-671.	1.6	4
134	Growth factor and expected growth factor of some pivoting strategies. Journal of Computational and Applied Mathematics, 2007, 202, 292-303.	2.0	4
135	Decompositions of strictly sign regular matrices. Linear Algebra and Its Applications, 2008, 429, 1071-1081.	0.9	4
136	Eigenvalue bounds for some classes of Pâ€matrices. Numerical Linear Algebra With Applications, 2009, 16, 871-882.	1.6	4
137	Positive symmetric matrices with exactly one positive eigenvalue. Linear Algebra and Its Applications, 2009, 430, 1566-1573.	0.9	4
138	Running error for the evaluation of rational BÃ©zier surfaces. Journal of Computational and Applied Mathematics, 2010, 233, 1685-1696.	2.0	4
139	On the evaluation of rational triangular BÃ©zier surfaces and the optimal stability of the basis. Advances in Computational Mathematics, 2013, 38, 701-721.	1.6	4
140	Eigenvalue localization and pivoting strategies for Gaussian elimination. Applied Mathematics and Computation, 2013, 219, 7725-7729.	2.2	4
141	On the extension of some total positivity inequalities. Linear Algebra and Its Applications, 2014, 448, 153-167.	0.9	4
142	Greville abscissae of totally positive bases. Computer Aided Geometric Design, 2016, 48, 60-74.	1.2	4
143	QR decomposition of almost strictly sign regular matrices. Journal of Computational and Applied Mathematics, 2017, 318, 646-657.	2.0	4
144	BÏ€R-tensors. Linear Algebra and Its Applications, 2019, 581, 247-259.	0.9	4

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145	Optimal interval length for the collocation of the Newton interpolation basis. Numerical Algorithms, 2019, 82, 895-908.	1.9	4
146	Accurate computations with Gram and Wronskian matrices of geometric and Poisson bases. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2022, 116, .	1.2	4
147	On the Relationship Between Graphs and Totally Positive Matrices. SIAM Journal on Matrix Analysis and Applications, 1998, 19, 369-377.	1.4	3
148	Monotonicity preservation of some polynomial and rational representations. , 0, , .		3
149	Efficient polynomial reduction. Advances in Computational Mathematics, 2007, 26, 323-336.	1.6	3
150	Strict Diagonal Dominance and Optimal Bounds for the Skeel Condition Number. SIAM Journal on Numerical Analysis, 2007, 45, 1107-1108.	2.3	3
151	Monotonicity preserving representations of non-polynomial surfaces. Journal of Computational and Applied Mathematics, 2010, 233, 2161-2169.	2.0	3
152	A Comparison of Different Progressive Iteration Approximation Methods. Lecture Notes in Computer Science, 2010, , 136-152.	1.3	3
153	Running error for the evaluation of rational BÃ©zier surfaces through a robust algorithm. Journal of Computational and Applied Mathematics, 2011, 235, 1781-1789.	2.0	3
154	Almost strictly sign regular matrices and Neville elimination with two-determinant pivoting. Applied Mathematics and Computation, 2016, 289, 426-434.	2.2	3
155	Comparing pivoting strategies for almost strictly sign regular matrices. Journal of Computational and Applied Mathematics, 2019, 354, 96-102.	2.0	3
156	Accurate bidiagonal decomposition and computations with generalized Pascal matrices. Journal of Computational and Applied Mathematics, 2021, 391, 113443.	2.0	3
157	On Some Zero-Increasing Operators. Acta Mathematica Hungarica, 2002, 94, 173-198.	0.5	3
158	Accurate computations with matrices related to bases {tieÎ»t}. Advances in Computational Mathematics, 2022, 48, .	1.6	3
159	A Note on a Paper by P. Amodio and F. Mazzia. BIT Numerical Mathematics, 2001, 41, 640-643.	2.0	2
160	Roundoff errors for polynomial evaluation by a family of formulae. Computing (Vienna/New York), 2008, 82, 199-215.	4.8	2
161	Computation of the eigenvalues of convexity preserving matrices. Applied Mathematics Letters, 2009, 22, 470-474.	2.7	2
162	Richardsonâ€™s iterative method for surface interpolation. BIT Numerical Mathematics, 2013, 53, 385.	2.0	2

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163	Accurate and efficient $$extit{LDU}$$ LDU decomposition of almost diagonally dominant Z-matrices. BIT Numerical Mathematics, 2014, 54, 343-356.	2.0	2
164	An optimal test for almost strict total positivity. Linear Algebra and Its Applications, 2014, 448, 274-284.	0.9	2
165	Backward stability with almost strictly sign regular matrices. Journal of Computational and Applied Mathematics, 2017, 322, 71-80.	2.0	2
166	Error bounds for linear complementarity problems of $$B_{pi }^R$$-matrices. Computational and Applied Mathematics, 2021, 40, 1.	2.2	2
167	Refinable functions with general dilation and a stable test for generalized Routh-Hurwitz conditions. Communications on Pure and Applied Analysis, 2007, 6, 809-818.	0.8	2
168	Loewner matrix ordering in estimation of the smallest singular value. Electronic Journal of Linear Algebra, 0, 22, .	0.6	2
169	The work of Mariano Gasca. Advances in Computational Mathematics, 2007, 26, 1-8.	1.6	1
170	Hierarchical open Leontief models. Linear Algebra and Its Applications, 2008, 428, 2549-2559.	0.9	1
171	Sign consistent linear programming problems. Optimization, 2009, 58, 935-946.	1.7	1
172	Neville elimination: an efficient algorithm with application to chemistry. Journal of Mathematical Chemistry, 2010, 48, 3-20.	1.5	1
173	Required nonzero patterns for nonsingular sign regular matrices. Linear Algebra and Its Applications, 2010, 432, 1990-1994.	0.9	1
174	Eigenvalue localization and Neville elimination. Applied Mathematics and Computation, 2014, 242, 340-345.	2.2	1
175	Corner cutting evaluation algorithms for general rational curves. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2015, 109, 117-123.	1.2	1
176	Spline approximation, Kronecker products and multilinear forms. Numerical Linear Algebra With Applications, 2016, 23, 535-557.	1.6	1
177	Accurate inverses of Nekrasov Z-matrices. Linear Algebra and Its Applications, 2019, 574, 46-59.	0.9	1
178	Stability properties of disk polynomials. Numerical Algorithms, 2021, 87, 119-135.	1.9	1
179	High relative accuracy with matrices of qâ€integers. Numerical Linear Algebra With Applications, 2021, 28, e2383.	1.6	1
180	On C-tensor and its application to eigenvalue localization. Linear and Multilinear Algebra, 0, , 1-18.	1.0	1

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181	Eigenvalue Localization for Totally Positive Matrices. Lecture Notes in Control and Information Sciences, 2009, , 123-130.	1.0	1
182	Accurate and efficient computations with Wronskian matrices of Bernstein and related bases. Numerical Linear Algebra With Applications, 2022, 29, .	1.6	1
183	On the foundation of bases of spline spaces. Journal of Computational and Applied Mathematics, 2000, 119, 377-390.	2.0	0
184	Error analysis for the evaluation of rational Bezier curves. , 0, , .		0
185	Restricted Systems. Advances in Computational Mathematics, 2003, 18, 79-90.	1.6	0
186	Recent advances in shape preserving representations. , 0, , .		0
187	Preface: numerical and applied linear algebra. Advances in Computational Mathematics, 2011, 35, 99-102.	1.6	0
188	Simultaneous triangularization of commuting matrices for the solution of polynomial equations. Central European Journal of Mathematics, 2012, 10, 277-291.	0.7	0
189	A note on matrices with maximal growth factor for Neville elimination. Journal of Computational and Applied Mathematics, 2012, 236, 2971-2974.	2.0	0
190	Similarity to totally positive matrices and accurate computations. Linear Algebra and Its Applications, 2016, 491, 317-327.	0.9	0
191	Algorithmic characterization of pentadiagonal ASSR matrices. International Journal of Computer Mathematics, 2020, 97, 431-443.	1.8	0
192	Accurate determinants of some classes of matrices. Linear Algebra and Its Applications, 2021, 630, 1-14.	0.9	0
193	Rank of Linear and Quadratic Combinations of Matrices. Electronic Journal of Linear Algebra, 2020, 36, 169-176.	0.6	0