Juan Manuel PeÃ±a

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	Accurate and efficient computations with Wronskian matrices of Bernstein and related bases. Numerical Linear Algebra With Applications, 2022, 29, .	1.6	1
2	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
3	Accurate computations with matrices related to bases {tieî»t}. Advances in Computational Mathematics, 2022, 48, .	1.6	3
4	Stability properties of disk polynomials. Numerical Algorithms, 2021, 87, 119-135.	1.9	1
5	Error bounds for linear complementarity problems of $$B_{pi }^R$$-matrices. Computational and Applied Mathematics, 2021, 40, 1.	2.2	2
6	High relative accuracy with matrices of <i>q</i>â€integers. Numerical Linear Algebra With Applications, 2021, 28, e2383.	1.6	1
7	Accurate bidiagonal decomposition and computations with generalized Pascal matrices. Journal of Computational and Applied Mathematics, 2021, 391, 113443.	2.0	3
8	Accurate determinants of some classes of matrices. Linear Algebra and Its Applications, 2021, 630, 1-14.	0.9	0
9	Algorithmic characterization of pentadiagonal ASSR matrices. International Journal of Computer Mathematics, 2020, 97, 431-443.	1.8	0
10	Evaluation and subdivision algorithms for general classes of totally positive rational bases. Computer Aided Geometric Design, 2020, 81, 101900.	1.2	6
11	Accurate bidiagonal decomposition of collocation matrices of weighted Ï• â€transformed systems. Numerical Linear Algebra With Applications, 2020, 27, e2295.	1.6	5
12	Geometric Properties and Algorithms for Rational q-BÃ©zier Curves and Surfaces. Mathematics, 2020, 8, 541.	2.2	9
13	Rank of Linear and Quadratic Combinations of Matrices. Electronic Journal of Linear Algebra, 2020, 36, 169-176.	0.6	0
14	BÏ€R-tensors. Linear Algebra and Its Applications, 2019, 581, 247-259.	0.9	4
15	Accurate Algorithms for Bessel Matrices. Journal of Scientific Computing, 2019, 80, 1264-1278.	2.3	12
16	Infinity norm bounds for the inverse of Nekrasov matrices using scaling matrices. Applied Mathematics and Computation, 2019, 358, 119-127.	2.2	7
17	Accurate inverses of Nekrasov Z-matrices. Linear Algebra and Its Applications, 2019, 574, 46-59.	0.9	1
18	Central orderings for the Newton interpolation formula. BIT Numerical Mathematics, 2019, 59, 371-386.	2.0	7

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19	Optimal interval length for the collocation of the Newton interpolation basis. Numerical Algorithms, 2019, 82, 895-908.	1.9	4
20	Combined matrices of almost strictly sign regular matrices. Journal of Computational and Applied Mathematics, 2019, 354, 144-151.	2.0	6
21	SVD update methods for large matrices and applications. Linear Algebra and Its Applications, 2019, 561, 41-62.	0.9	9
22	Accurate computations with Laguerre matrices. Numerical Linear Algebra With Applications, 2019, 26, e2217.	1.6	12
23	Optimal stability of the Lagrange formula and conditioning of the Newton formula. Journal of Approximation Theory, 2019, 238, 52-66.	0.8	17
24	Comparing pivoting strategies for almost strictly sign regular matrices. Journal of Computational and Applied Mathematics, 2019, 354, 96-102.	2.0	3
25	On the asymptotic optimality of error bounds for some linear complementarity problems. Numerical Algorithms, 2019, 80, 521-532.	1.9	9
26	Accurate computations with collocation matrices of a general class of bases. Numerical Linear Algebra With Applications, 2018, 25, e2184.	1.6	10
27	QR decomposition of almost strictly sign regular matrices. Journal of Computational and Applied Mathematics, 2017, 318, 646-657.	2.0	4
28	Accurate computations with LupaÅŸ matrices. Applied Mathematics and Computation, 2017, 303, 171-177.	2.2	12
29	Backward stability with almost strictly sign regular matrices. Journal of Computational and Applied Mathematics, 2017, 322, 71-80.	2.0	2
30	Accurate bidiagonal decomposition of totally positive Cauchyâ€"Vandermonde matrices and applications. Linear Algebra and Its Applications, 2017, 517, 63-84.	0.9	21
31	Critical lengths of cycloidal spaces are zeros of Bessel functions. Calcolo, 2017, 54, 1521-1531.	1.1	8
32	B $$_pi ^R$$ Ï€ R -matrices and error bounds for linear complementarity problems. Calcolo, 2017, 54, 813-822.	1.1	10
33	Similarity to totally positive matrices and accurate computations. Linear Algebra and Its Applications, 2016, 491, 317-327.	0.9	0
34	Almost strictly sign regular matrices and Neville elimination with two-determinant pivoting. Applied Mathematics and Computation, 2016, 289, 426-434.	2.2	3
35	Greville abscissae of totally positive bases. Computer Aided Geometric Design, 2016, 48, 60-74.	1.2	4
36	Accurate and fast computations with positive extended Schoenmakersâ€"Coffey matrices. Numerical Linear Algebra With Applications, 2016, 23, 1023-1031.	1.6	5

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37	Algorithm 960. ACM Transactions on Mathematical Software, 2016, 42, 1-19.	2.9	6
38	Spline approximation, Kronecker products and multilinear forms. Numerical Linear Algebra With Applications, 2016, 23, 535-557.	1.6	1
39	B-Nekrasov matrices and error bounds for linear complementarity problems. Numerical Algorithms, 2016, 72, 435-445.	1.9	31
40	Monotonicity preserving representations of curves and surfaces. Applied Mathematics and Nonlinear Sciences, 2016, 1, 517-528.	1.6	5
41	Accurate Computations with Collocation Matrices of q-Bernstein Polynomials. SIAM Journal on Matrix Analysis and Applications, 2015, 36, 880-893.	1.4	32
42	Almost strictly totally negative matrices: An algorithmic characterization. Journal of Computational and Applied Mathematics, 2015, 275, 238-246.	2.0	5
43	Eventually SDD matrices and eigenvalue localization. Applied Mathematics and Computation, 2015, 252, 535-540.	2.2	7
44	Accurate evaluation of BÃ©zier curves and surfaces and the Bernstein-Fourier algorithm. Applied Mathematics and Computation, 2015, 271, 113-122.	2.2	5
45	On the characterization of almost strictly sign regular matrices. Journal of Computational and Applied Mathematics, 2015, 275, 480-488.	2.0	16
46	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
47	Fast and accurate algorithms for Jacobiâ€"Stirling matrices. Applied Mathematics and Computation, 2014, 236, 253-259.	2.2	15
48	On the Critical Lengths of Cycloidal Spaces. Constructive Approximation, 2014, 39, 573-583.	3.0	14
49	Accurate and efficient $$\textit{LDU}$$ LDU decomposition of almost diagonally dominant Z-matrices. BIT Numerical Mathematics, 2014, 54, 343-356.	2.0	2
50	Error bounds for linear complementarity problems of Nekrasov matrices. Numerical Algorithms, 2014, 67, 655-667.	1.9	37
51	On the extension of some total positivity inequalities. Linear Algebra and Its Applications, 2014, 448, 153-167.	0.9	4
52	Interpolation on cycloidal spaces. Journal of Approximation Theory, 2014, 187, 18-29.	0.8	5
53	Eigenvalue localization and Neville elimination. Applied Mathematics and Computation, 2014, 242, 340-345.	2.2	1
54	An optimal test for almost strict total positivity. Linear Algebra and Its Applications, 2014, 448, 274-284.	0.9	2

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55	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
56	Some classes of nonsingular matrices and applications. Linear Algebra and Its Applications, 2013, 438, 1936-1945.	0.9	11
57	Richardson's iterative method for surface interpolation. BIT Numerical Mathematics, 2013, 53, 385.	2.0	2
58	On the evaluation of rational triangular Bézier surfaces and the optimal stability of the basis. Advances in Computational Mathematics, 2013, 38, 701-721.	1.6	4
59	Conditioning and accurate computations with Pascal matrices. Journal of Computational and Applied Mathematics, 2013, 252, 21-26.	2.0	25
60	Eigenvalue localization and pivoting strategies for Gaussian elimination. Applied Mathematics and Computation, 2013, 219, 7725-7729.	2.2	4
61	Accurate computations with collocation matrices of rational bases. Applied Mathematics and Computation, 2013, 219, 4354-4364.	2.2	23
62	Error bounds for the linear complementarity problem with a Σ-SDD matrix. Linear Algebra and Its Applications, 2013, 438, 1339-1346.	0.9	24
63	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 Applied Mathematics Letters, 2012, 25, 1379-1383.	2.7	33
64	Simultaneous triangularization of commuting matrices for the solution of polynomial equations. Central European Journal of Mathematics, 2012, 10, 277-291.	0.7	0
65	Progressive iteration approximation and the geometric algorithm. CAD Computer Aided Design, 2012, 44, 143-145.	2.7	9
66	A note on matrices with maximal growth factor for Neville elimination. Journal of Computational and Applied Mathematics, 2012, 236, 2971-2974.	2.0	0
67	Characterizations of Jacobi sign regular matrices. Linear Algebra and Its Applications, 2012, 436, 381-388.	0.9	8
68	Eigenvalue Localization Refinements for Matrices Related to Positivity. SIAM Journal on Matrix Analysis and Applications, 2011, 32, 771-784.	1.4	15
69	On the progressive iteration approximation property and alternative iterations. Computer Aided Geometric Design, 2011, 28, 523-526.	1.2	17
70	Diagonal dominance, Schur complements and some classes of H-matrices and P-matrices. Advances in Computational Mathematics, 2011, 35, 357-373.	1.6	13
71	Preface: numerical and applied linear algebra. Advances in Computational Mathematics, 2011, 35, 99-102.	1.6	0
72	Running error for the evaluation of rational Bézier surfaces through a robust algorithm. Journal of Computational and Applied Mathematics, 2011, 235, 1781-1789.	2.0	3

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73	Growth factors of pivoting strategies associated with Neville elimination. Journal of Computational and Applied Mathematics, 2011, 235, 1755-1762.	2.0	10
74	Three term recurrence for the evaluation of multivariate orthogonal polynomials. Journal of Approximation Theory, 2010, 162, 407-420.	0.8	10
75	Neville elimination: an efficient algorithm with application to chemistry. Journal of Mathematical Chemistry, 2010, 48, 3-20.	1.5	1
76	Required nonzero patterns for nonsingular sign regular matrices. Linear Algebra and Its Applications, 2010, 432, 1990-1994.	0.9	1
77	A comparison of error bounds for linear complementarity problems of H-matrices. Linear Algebra and Its Applications, 2010, 433, 956-964.	0.9	45
78	Richardson method and totally nonnegative linear systems. Linear Algebra and Its Applications, 2010, 433, 2010-2017.	0.9	12
79	A collection of examples where Neville elimination outperforms Gaussian elimination. Applied Mathematics and Computation, 2010, 216, 2525-2533.	2.2	7
80	Minimal sets alternative to minimal Geršgorin sets. Applied Numerical Mathematics, 2010, 60, 442-451.	2.1	8
81	Running error for the evaluation of rational Bézier surfaces. Journal of Computational and Applied Mathematics, 2010, 233, 1685-1696.	2.0	4
82	Monotonicity preserving representations of non-polynomial surfaces. Journal of Computational and Applied Mathematics, 2010, 233, 2161-2169.	2.0	3
83	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
84	A Comparison of Different Progressive Iteration Approximation Methods. Lecture Notes in Computer Science, 2010, , 136-152.	1.3	3
85	Optimal Conditioning of Bernstein Collocation Matrices. SIAM Journal on Matrix Analysis and Applications, 2010, 31, 990-996.	1.4	12
86	Iterative refinement for Neville elimination. International Journal of Computer Mathematics, 2009, 86, 341-353.	1.8	5
87	Eigenvalue bounds for some classes of P-matrices. Numerical Linear Algebra With Applications, 2009, 16, 871-882.	1.6	4
88	Positive symmetric matrices with exactly one positive eigenvalue. Linear Algebra and Its Applications, 2009, 430, 1566-1573.	0.9	4
89	Computation of the eigenvalues of convexity preserving matrices. Applied Mathematics Letters, 2009, 22, 470-474.	2.7	2
90	Error bounds for linear complementarity problems for B-matrices. Applied Mathematics Letters, 2009, 22, 1071-1075.	2.7	55

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91	Convexity preserving scattered data interpolation using Powell–Sabin elements. Computer Aided Geometric Design, 2009, 26, 779-796.	1.2	9
92	Sign consistent linear programming problems. Optimization, 2009, 58, 935-946.	1.7	1
93	Running Relative Error for the Evaluation of Polynomials. SIAM Journal of Scientific Computing, 2009, 31, 3905-3921.	2.8	13
94	Eigenvalue Localization for Totally Positive Matrices. Lecture Notes in Control and Information Sciences, 2009, , 123-130.	1.0	1
95	Roundoff errors for polynomial evaluation by a family of formulae. Computing (Vienna/New York), 2008, 82, 199-215.	4.8	2
96	Decompositions of strictly sign regular matrices. Linear Algebra and Its Applications, 2008, 429, 1071-1081.	0.9	4
97	Hierarchical open Leontief models. Linear Algebra and Its Applications, 2008, 428, 2549-2559.	0.9	1
98	Error analysis of efficient evaluation algorithms for tensor product surfaces. Journal of Computational and Applied Mathematics, 2008, 219, 156-169.	2.0	8
99	A stable test for strict sign regularity. Mathematics of Computation, 2008, 77, 2155-2171.	2.1	12
100	A Corner Cutting Algorithm for Evaluating Rational Bézier Surfaces and the Optimal Stability of the Basis. SIAM Journal of Scientific Computing, 2007, 29, 1668-1682.	2.8	13
101	Efficient polynomial reduction. Advances in Computational Mathematics, 2007, 26, 323-336.	1.6	3
102	Strict Diagonal Dominance and Optimal Bounds for the Skeel Condition Number. SIAM Journal on Numerical Analysis, 2007, 45, 1107-1108.	2.3	3
103	Refining Gerschgorin disks through new criteria for nonsingularity. Numerical Linear Algebra With Applications, 2007, 14, 665-671.	1.6	4
104	Progressive iterative approximation and bases with the fastest convergence rates. Computer Aided Geometric Design, 2007, 24, 10-18.	1.2	55
105	Are rational Bézier surfaces monotonicity preserving?. Computer Aided Geometric Design, 2007, 24, 303-306.	1.2	13
106	Growth factor and expected growth factor of some pivoting strategies. Journal of Computational and Applied Mathematics, 2007, 202, 292-303.	2.0	4
107	A general class of Bernstein-like bases. Computers and Mathematics With Applications, 2007, 53, 1686-1703.	2.7	36
108	Sign regular matrices and Neville elimination. Linear Algebra and Its Applications, 2007, 421, 53-62.	0.9	15

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109	Shape preservation regions for six-dimensional spaces. Advances in Computational Mathematics, 2007, 26, 121-136.	1.6	12
110	The work of Mariano Gasca. Advances in Computational Mathematics, 2007, 26, 1-8.	1.6	1
111	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
112	Characterizations and Decompositions of Almost Strictly Positive Matrices. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 1-8.	1.4	19
113	Evaluation algorithms for multivariate polynomials in Bernstein–Bézier form. Journal of Approximation Theory, 2006, 143, 44-61.	0.8	9
114	Running Error Analysis of Evaluation Algorithms for Bivariate Polynomials in Barycentric Bernstein Form. Computing (Vienna/New York), 2006, 77, 97-111.	4.8	6
115	On the generalized Ball bases. Advances in Computational Mathematics, 2006, 24, 263-280.	1.6	18
116	A note on the optimal stability of bases of univariate functions. Numerische Mathematik, 2006, 103, 151-154.	1.9	10
117	Almost strict total positivity and a class of Hurwitz polynomials. Journal of Approximation Theory, 2005, 132, 212-223.	0.8	19
118	Corner cutting systems. Computer Aided Geometric Design, 2005, 22, 81-97.	1.2	8
119	Evaluation of the derivative of a polynomial in Bernstein form. Applied Mathematics and Computation, 2005, 167, 125-142.	2.2	5
120	On Descartes' rules of signs and their exactness. Mathematische Nachrichten, 2005, 278, 1706-1713.	0.8	4
121	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
122	A stable test to check if a matrix is a nonsingular M-matrix. Mathematics of Computation, 2004, 73, 1385-1393.	2.1	6
123	Quadratic-Cycloidal Curves. Advances in Computational Mathematics, 2004, 20, 161-175.	1.6	12
124	Optimally Stable Multivariate Bases. Advances in Computational Mathematics, 2004, 20, 149-159.	1.6	38
125	Characterizations and stable tests for the Routh–Hurwitz conditions and for total positivity. Linear Algebra and Its Applications, 2004, 393, 319-332.	0.9	28
126	Basis conversions among univariate polynomial representations. Comptes Rendus Mathematique, 2004, 339, 293-298.	0.3	8

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127	Restricted Systems. Advances in Computational Mathematics, 2003, 18, 79-90.	1.6	0
128	On an alternative to Gerschgorin circles and ovals of Cassini. Numerische Mathematik, 2003, 95, 337-345.	1.9	44
129	Critical Length for Design Purposes and Extended Chebyshev Spaces. Constructive Approximation, 2003, 20, 55-71.	3.0	71
130	Simultaneous backward stability of Gauss and Gauss-Jordan elimination. Numerical Linear Algebra With Applications, 2003, 10, 317-321.	1.6	4
131	Representing circles with five control points. Computer Aided Geometric Design, 2003, 20, 501-511.	1.2	9
132	On nonsingular sign regular matrices. Linear Algebra and Its Applications, 2003, 359, 91-100.	0.9	22
133	A shape preserving representation with an evaluation algorithm of linear complexity. Computer Aided Geometric Design, 2003, 20, 1-10.	1.2	50
134	Scaled Pivots and Scaled Partial Pivoting Strategies. SIAM Journal on Numerical Analysis, 2003, 41, 1022-1031.	2.3	7
135	Sign Regular Matrices of Order Two. Linear and Multilinear Algebra, 2002, 50, 91-97.	1.0	5
136	On Zero-Preserving Linear Transformations. Journal of Mathematical Analysis and Applications, 2002, 266, 237-258.	1.0	5
137	On the optimal stability of bases of univariate functions. Numerische Mathematik, 2002, 91, 305-318.	1.9	30
138	A basis of C-BÃ©zier splines with optimal properties. Computer Aided Geometric Design, 2002, 19, 291-295.	1.2	33
139	Numerical evaluation of the pth derivative of Jacobi series. Applied Numerical Mathematics, 2002, 43, 335-357.	2.1	16
140	On Some Zero-Increasing Operators. Acta Mathematica Hungarica, 2002, 94, 173-198.	0.5	3
141	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
142	Shape preserving alternatives to the rational BÃ©zier model. Computer Aided Geometric Design, 2001, 18, 37-60.	1.2	130
143	Determinantal criteria for total positivity. Linear Algebra and Its Applications, 2001, 332-334, 131-137.	0.9	4
144	A Note on a Paper by P. Amodio and F. Mazzia. BIT Numerical Mathematics, 2001, 41, 640-643.	2.0	2

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145	Knot Insertion and Totally Positive Systems. Journal of Approximation Theory, 2000, 104, 45-76.	0.8	6
146	On the foundation of bases of spline spaces. Journal of Computational and Applied Mathematics, 2000, 119, 377-390.	2.0	0
147	On the Multivariate Horner Scheme II: Running Error Analysis. Computing (Vienna/New York), 2000, 65, 313-322.	4.8	16
148	On the Multivariate Horner Scheme. SIAM Journal on Numerical Analysis, 2000, 37, 1186-1197.	2.3	38
149	Monotonicity preservation on triangles. Mathematics of Computation, 1999, 69, 1505-1520.	2.1	19
150	Linear conditions for positive determinants. Linear Algebra and Its Applications, 1999, 292, 39-59.	0.9	14
151	Development of block and partitioned Neville elimination. Comptes Rendus Mathematique, 1999, 329, 1091-1096.	0.5	4
152	Corner cutting algorithms associated with optimal shape preserving representations. Computer Aided Geometric Design, 1999, 16, 883-906.	1.2	35
153	Error analysis of corner cutting algorithms. Numerical Algorithms, 1999, 22, 41-52.	1.9	27
154	Tensor-product monotonicity preservation. Advances in Computational Mathematics, 1998, 9, 353-362.	1.6	10
155	Strictly Totally Positive Systems. Journal of Approximation Theory, 1998, 92, 411-441.	0.8	38
156	Characterizations of the Optimal Descartes' Rules of Signs. Mathematische Nachrichten, 1998, 189, 33-48.	0.8	8
157	Pivoting strategies leading to diagonal dominance by rows. Numerische Mathematik, 1998, 81, 293-304.	1.9	10
158	Factorizations of Cauchy-Vandermonde matrices. Linear Algebra and Its Applications, 1998, 284, 229-237.	0.9	33
159	Fast algorithms of Björck-Pereyra type for solving Cauchy-Vandermonde linear systems. Applied Numerical Mathematics, 1998, 26, 343-352.	2.1	20
160	On the Relationship Between Graphs and Totally Positive Matrices. SIAM Journal on Matrix Analysis and Applications, 1998, 19, 369-377.	1.4	3
161	B-splines and optimal stability. Mathematics of Computation, 1997, 66, 1555-1561.	2.1	39
162	Backward stability of a pivoting strategy for sign-regular linear systems. BIT Numerical Mathematics, 1997, 37, 910-924.	2.0	13

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163	Shape preserving representations for trigonometric polynomial curves. Computer Aided Geometric Design, 1997, 14, 5-11.	1.2	79
164	Linear convexity conditions for rectangular and triangular Bernstein-BÃ©zier surfaces. Computer Aided Geometric Design, 1997, 15, 27-38.	1.2	15
165	Backward error analysis of Neville elimination. Applied Numerical Mathematics, 1997, 23, 193-204.	2.1	30
166	On the schur and singular value decompositions of oscillatory matrices. Linear Algebra and Its Applications, 1997, 261, 307-315.	0.9	5
167	On Factorizations of Totally Positive Matrices. , 1996, , 109-130.		78
168	Local Decomposition of Refinable Spaces and Wavelets. Applied and Computational Harmonic Analysis, 1996, 3, 127-153.	2.2	168
169	Generalized convexity preserving transformations. Computer Aided Geometric Design, 1996, 13, 179-197.	1.2	14
170	Convexity of rational curves and total positivity. Journal of Computational and Applied Mathematics, 1996, 71, 365-382.	2.0	29
171	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
172	On Transforming a Tchebycheff System into a Strictly Totally Positive System. Journal of Approximation Theory, 1995, 81, 274-295.	0.8	17
173	M-matrices whose inverses are totally positive. Linear Algebra and Its Applications, 1995, 221, 189-193.	0.9	28
174	Matrices with Sign Consistency of a Given Order. SIAM Journal on Matrix Analysis and Applications, 1995, 16, 1100-1106.	1.4	9
175	Least supported bases and local linear independence. Numerische Mathematik, 1994, 67, 289-301.	1.9	23
176	Totally positive bases for shape preserving curve design and optimality of B-splines. Computer Aided Geometric Design, 1994, 11, 633-654.	1.2	117
177	A matricial description of Neville elimination with applications to total positivity. Linear Algebra and Its Applications, 1994, 202, 33-53.	0.9	95
178	A Marsden Type Identity for Periodic Trigonometric Splines. Journal of Approximation Theory, 1993, 75, 248-265.	0.8	4
179	Scaled pivoting in Gauss and Neville elimination for totally positive systems. Applied Numerical Mathematics, 1993, 13, 345-355.	2.1	21
180	Total Positivity, QR Factorization, and Neville Elimination. SIAM Journal on Matrix Analysis and Applications, 1993, 14, 1132-1140.	1.4	66

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181	Nilpotent-by-ÄŒernikov CC-groups. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1992, 53, 120-130.	0.3	4
182	Total positivity and Neville elimination. Linear Algebra and Its Applications, 1992, 165, 25-44.	0.9	186
183	Locally inner automorphisms of CC-groups. Journal of Algebra, 1991, 141, 382-398.	0.7	13
184	Locally graded minimal non CC-groups arep-groups. Archiv Der Mathematik, 1991, 57, 209-211.	0.5	8
185	CC-groups with periodic central factor. Manuscripta Mathematica, 1990, 69, 93-105.	0.6	8
186	Groups in which every proper subgroup is ?ernikov-by-nilpotent or nilpotent-by-?ernikov. Archiv Der Mathematik, 1988, 51, 193-197.	0.5	7
187	Minimal non-cc-groups. Communications in Algebra, 1988, 16, 1231-1242.	0.6	14
188	Error analysis for the evaluation of rational Bezier curves. , 0, , .		0
189	Monotonicity preservation of some polynomial and rational representations. , 0, , .		3
190	A linear complexity algorithm for the Bernstein basis. , 0, , .		6
191	Recent advances in shape preserving representations. , 0, , .		0
192	On C-tensor and its application to eigenvalue localization. Linear and Multilinear Algebra, 0, , 1-18.	1.0	1
193	Loewner matrix ordering in estimation of the smallest singular value. Electronic Journal of Linear Algebra, 0, 22, .	0.6	2