Adhemar Bultheel

List of Publications by Year
in descending order

207	2,551	279798	330143
papers	citations	23 h-index	37 g-index

226	226	226	874
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Zeros of quasi-paraorthogonal polynomials and positive quadrature. Journal of Computational and Applied Mathematics, 2022, 407, 114039.	2.0	2
2	Catalytic thermodynamic model for nanocluster adsorbates. Catalysis Today, 2021, 360, 157-164.	4.4	5
3	Magical Mathematical Formulas for Nanoboxes. Nanoscale Research Letters, 2021, 16, 39.	5.7	0
4	Coordination-Dependent Kinetics in the Catalysis of Gold Nanoclusters. ACS Catalysis, 2021, 11, 9073-9085.	11.2	8
5	Polyhedral Effects on the Mass Activity of Platinum Nanoclusters. Catalysts, 2020, 10, 1010.	3.5	0
6	Magic Mathematical Relationships for Nanoclusters. Nanoscale Research Letters, 2019, 14, 150.	5.7	24
7	Magic Mathematical Relationships for Nanoclustersâ€"Errata and Addendum. Nanoscale Research Letters, 2019, 14, 295.	5.7	1
8	Catalytic Thermodynamics of Nanocluster Adsorbates from Informational Statistical Mechanics. Catalysis Letters, 2018, 148, 1451-1461.	2.6	1
9	Topological modeling of 1-Pentagon carbon nanocones â€“ topological efficiency and magic sizes. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 291-302.	2.1	15
10	Properties of interpolatory quadrature with equidistant nodes on the unit circle. Numerical Algorithms, 2018, 77, 327-359.	1.9	1
11	Size, shape, and compositional effects on the orderâ€"disorder phase transitions in Auâ€"Cu and Ptâ€"M (M) Tj ETQq1 1 0.784314 rgB	2.8	7
12	Kinetic Monte Carlo approach to Schottky defects in noble metal nanoclusters. Journal of Mathematical Chemistry, 2017, 55, 34-49.	1.5	2
13	Dimensionality of hypercube clusters. Journal of Mathematical Chemistry, 2016, 54, 33-43.	1.5	8
14	Cooperative topological accumulation of vacancies in honeycomb lattices. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 353-362.	2.1	13
15	Topological indices for nanoclusters. Computational Materials Science, 2015, 99, 73-80.	3.0	3
16	Matrix methods for quadrature formulas on the unit circle. A survey. Journal of Computational and Applied Mathematics, 2015, 284, 78-100.	2.0	9
17	Foreword to the proceedings of the OrthoQuad 2014 conference. Journal of Computational and Applied Mathematics, 2015, 284, 1-9.	2.0	0
18	Holomorphic functions associated with indeterminate rational moment problems. Journal of Computational and Applied Mathematics, 2015, 284, 101-114.	2.0	0

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19	Informational thermodynamic model for nanostructures. Journal of Mathematical Chemistry, 2014, 52, 1563-1575.	1.5	8
20	Statistical properties of carbon nanostructures. Journal of Mathematical Chemistry, 2013, 51, 1211-1220.	1.5	10
21	Power law statistics of rippled graphene nanoflakes. Journal of Mathematical Chemistry, 2013, 51, 1221-1230.	1.5	1
22	Quadratures associated with pseudo-orthogonal rational functions on the real half line with poles in <mml:math altimg="si22.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb. Journal of Computational and Ap	2.0	2
23	Rational interpolation: II. Quadrature and convergence. Journal of Mathematical Analysis and Applications, 2013, 397, 124-141.	1.0	2
24	Rational interpolation: I. Least square convergence. Journal of Mathematical Analysis and Applications, 2012, 395, 455-464.	1.0	4
25	The existence and construction of rational Gauss-type quadrature rules. Applied Mathematics and Computation, 2012, 218, 10299-10320.	2.2	6
26	Statistical mechanics of two dimensional tilings. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2957-2963.	2.6	5
27	A generalized eigenvalue problem for quasi-orthogonal rational functions. Numerische Mathematik, 2011, 117, 463-506.	1.9	6
28	Natural solutions of rational Stieltjes moment problems. Journal of Mathematical Analysis and Applications, 2011, 377, 571-583.	1.0	2
29	On Gauss-type quadrature formulas with prescribed nodes anywhere on the real line. Calcolo, 2010, 47, 21-48.	1.1	16
30	Powellâ€“Sabin spline based multilevel preconditioners for the biharmonic equation. Applied Numerical Mathematics, 2010, 60, 527-530.	2.1	0
31	Growth properties of Nevanlinna matrices for rational moment problems. Journal of Approximation Theory, 2010, 162, 2184-2201.	0.8	2
32	Positive rational interpolatory quadrature formulas on the unit circle and the interval. Applied Numerical Mathematics, 2010, 60, 1286-1299.	2.1	4
33	Computation of rational SzegÅ‘â€“Lobatto quadrature formulas. Applied Numerical Mathematics, 2010, 60, 1251-1263.	2.1	7
34	Orthogonal Rational Functions with real coefficients and semiseparable matrices. Journal of Computational and Applied Mathematics, 2010, 233, 1192-1201.	2.0	3
35	Schurâ€“Nevanlinnaâ€“Potapov sequences of rational matrix functions. Journal of Computational and Applied Mathematics, 2010, 235, 927-949.	2.0	0
36	On the existence of para-orthogonal rational functions on the unit circle. Analysis (Germany), 2010, 30, .	0.4	2

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37	Rational quadrature formulas on the unit circle with prescribed nodes and maximal domain of validity. IMA Journal of Numerical Analysis, 2010, 30, 940-963.	2.9	7
38	Real and reciprocal space order parameters for porous arrays from image analysis. Journal of Materials Science, 2009, 44, 40-46.	3.7	7
39	A matricial computation of rational quadrature formulas on the unit circle. Numerical Algorithms, 2009, 52, 47-68.	1.9	11
40	Orthogonal rational functions with complex poles: The Favard theorem. Journal of Mathematical Analysis and Applications, 2009, 356, 764-768.	1.0	4
41	Orthogonal rational functions and rational modifications of a measure on the unit circle. Journal of Approximation Theory, 2009, 157, 1-18.	0.8	7
42	Normal mesh based geometrical image compression. Image and Vision Computing, 2009, 27, 459-468.	4.5	3
43	Computing rational Gaussâ€“Chebyshev quadrature formulas with complex poles: The algorithm. Advances in Engineering Software, 2009, 40, 707-717.	3.8	9
44	Quadrature formulas on the unit circle with prescribed nodes and maximal domain of validity. Journal of Computational and Applied Mathematics, 2009, 231, 948-963.	2.0	9
45	The Birth of Numerical Analysis. , 2009, , .		5
46	Stability analysis of biorthogonal multiwavelets whose duals are not in and its application to local semiorthogonal lifting. Applied Numerical Mathematics, 2008, 58, 1186-1211.	2.1	3
47	Order parameters from image analysis: a honeycomb example. Die Naturwissenschaften, 2008, 95, 1033-1040.	1.6	10
48	An indeterminate rational moment problem and CarathÃ©odory functions. Journal of Computational and Applied Mathematics, 2008, 219, 359-369.	2.0	6
49	Orthogonality Measures and Applications in Systems Theory in One and More Variables. Lecture Notes in Computer Science, 2008, , 243-250.	1.3	0
50	Algorithm 882. ACM Transactions on Mathematical Software, 2008, 35, 1-21.	2.9	17
51	Recurrence and asymptotics for orthonormal rational functions on an interval. IMA Journal of Numerical Analysis, 2008, 29, 1-23.	2.9	10
52	Solution of a multiple Nevanlinnaâ€“Pick problem for Schur functions via orthogonal rational functions. Analysis (Germany), 2008, 28, .	0.4	0
53	Rational SzegÅ‘ quadratures associated with Chebyshev weight functions. Mathematics of Computation, 2008, 78, 1031-1059.	2.1	15
54	SCHURâ€“NEVANLINNA SEQUENCES OF RATIONAL FUNCTIONS. Proceedings of the Edinburgh Mathematical Society, 2007, 50, 571-596.	0.3	4

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55	BPXâ€type Preconditioners for Second and Fourth Order Elliptic Problems on the Sphere. SIAM Journal on Numerical Analysis, 2007, 45, 206-222.	2.3	12
56	Rational Gauss-Chebyshev quadrature formulas for complex poles outside $[-1,1]$. Mathematics of Computation, 2007, 77, 967-984.	2.1	19
57	Modeling sphere-like manifolds with spherical Powellâ€“Sabin B-splines. Computer Aided Geometric Design, 2007, 24, 79-89.	1.2	4
58	Computing orthogonal rational functions with poles near the boundary. Computers and Mathematics With Applications, 2007, 53, 1421-1428.	2.7	4
59	An extended relation between orthogonal rational functions on the unit circle and the interval <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.co. Journal	1.0	11
60	Recent developments in the theory of the fractional Fourier and linear canonical transforms. Bulletin of the Belgian Mathematical Society - Simon Stevin, 2007, 13, .	0.2	48
61	A Nonlinear Contour Preserving Transform for Geometrical Image Compression. , 2007, , .		0
62	A quadrature formula based on Chebyshev rational functions. IMA Journal of Numerical Analysis, 2006, 26, 641-656.	2.9	6
63	<mml:math altimg="si15.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml	2.0	7
64	Adaptive splitting for stabilizing 1-D wavelet decompositions on irregular grids. Signal Processing, 2006, 86, 2447-2463.	3.7	5
65	A tangent subdivision scheme. ACM Transactions on Graphics, 2006, 25, 340-355.	7.2	4
66	A hierarchical basis preconditioner for the biharmonic equation on the sphere. IMA Journal of Numerical Analysis, 2006, 26, 563-583.	2.9	7
67	SURFACE COMPRESSION WITH HIERARCHICAL POWELLâ€“SABIN B-SPLINES. International Journal of Wavelets, Multiresolution and Information Processing, 2006, 04, 177-196.	1.3	10
68	Powell-Sabin Spline Prewavelets on the Hexagonal Lattice. , 2006, , 273-283.		0
69	On computing rational Gauss-Chebyshev quadrature formulas. Mathematics of Computation, 2005, 75, 307-327.	2.1	26
70	Orthogonal Laurent polynomials and quadrature formulas for unbounded intervals: II. Interpolatory rules. Applied Numerical Mathematics, 2005, 54, 39-63.	2.1	7
71	Positive interpolatory quadrature formulas and para-orthogonal polynomials. Journal of Computational and Applied Mathematics, 2005, 179, 97-119.	2.0	11
72	A weak-star convergence result for orthogonal rational functions. Journal of Computational and Applied Mathematics, 2005, 178, 453-464.	2.0	5

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73	Generalizations of orthogonal polynomials. Journal of Computational and Applied Mathematics, 2005, 179, 57-95.	2.0	9
74	Orthogonal rational functions on the real half line with poles in <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	2.0	10
75	The computation of orthogonal rational functions on an interval. Journal of Computational and Applied Mathematics, 2005, 179, 355-373.	2.0	6
76	Triadic Subdivision of Non Uniform Powell-Sabin Splines. , 2005, , 107-119.		0
77	Numerically robust transfer function modeling from noisy frequency domain data. IEEE Transactions on Automatic Control, 2005, 50, 1835-1839.	5.7	27
78	Normal offsets for digital image compression. , 2005, , .		0
79	POWELLâ€“SABIN SPLINE WAVELETS. International Journal of Wavelets, Multiresolution and Information Processing, 2004, 02, 23-42.	1.3	13
80	An interpolation algorithm for orthogonal rational functions. Journal of Computational and Applied Mathematics, 2004, 164-165, 749-762.	2.0	9
81	Orthogonal basis functions in discrete least-squares rational approximation. Journal of Computational and Applied Mathematics, 2004, 164-165, 175-194.	2.0	13
82	Modified Moments and Orthogonal Rational Functions. Applied Numerical Analysis and Computational Mathematics, 2004, 1, 455-468.	0.6	5
83	Computation of the fractional Fourier transform. Applied and Computational Harmonic Analysis, 2004, 16, 182-202.	2.2	111
84	Automatic construction of control triangles for subdivided Powellâ€“Sabin splines. Computer Aided Geometric Design, 2004, 21, 671-682.	1.2	22
85	On the stability of normalized Powellâ€“Sabin B-splines. Journal of Computational and Applied Mathematics, 2004, 170, 181-196.	2.0	19
86	Ratio asymptotics for orthogonal rational functions on an interval. Journal of Approximation Theory, 2003, 123, 162-172.	0.8	8
87	State space representation for arbitrary orthogonal rational functions. Systems and Control Letters, 2003, 49, 91-98.	2.3	7
88	Orthogonal rational functions and quadrature on an interval. Journal of Computational and Applied Mathematics, 2003, 153, 487-495.	2.0	20
89	Orthogonal rational functions and tridiagonal matrices. Journal of Computational and Applied Mathematics, 2003, 153, 89-97.	2.0	14
90	Uniform Powellâ€“Sabin spline wavelets. Journal of Computational and Applied Mathematics, 2003, 154, 125-142.	2.0	7

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91	Orthogonal rational functions and quadrature on the real half line. Journal of Complexity, 2003, 19, 212-230.	1.3	10
92	Orthogonal rational functions for system identification: numerical aspects. IEEE Transactions on Automatic Control, 2003, 48, 705-709.	5.7	26
93	Positivity of Continued Fractions Associated with Rational Stieltjes Moment Problems. Rocky Mountain Journal of Mathematics, 2003, 33, 609.	0.4	3
94	Orthogonal Laurent Polynomials and Quadrature Formulas for Unbounded Intervals: I. Gauss-Type Formulas. Rocky Mountain Journal of Mathematics, 2003, 33, 585.	0.4	8
95	Algebraic and Spectral Properties of General Toeplitz Matrices. SIAM Journal on Control and Optimization, 2002, 41, 1413-1439.	2.1	9
96	Stabilised wavelet transforms for non-equispaced data smoothing. Signal Processing, 2002, 82, 1979-1990.	3.7	34
97	A rational Stieltjes moment problem. Applied Mathematics and Computation, 2002, 128, 217-235.	2.2	4
98	Empirical Bayes Approach to Improve Wavelet Thresholding for Image Noise Reduction. Journal of the American Statistical Association, 2001, 96, 629-639.	3.1	77
99	Asymptotic behavior of the minimum mean squared error threshold for noisy wavelet coefficients of piecewise smooth signals. IEEE Transactions on Signal Processing, 2001, 49, 1113-1118.	5.3	28
100	<title>Stabilized lifting steps in noise reduction for nonequispaced samples</title>. , 2001, , .		2
101	Quadrature and orthogonal rational functions. Journal of Computational and Applied Mathematics, 2001, 127, 67-91.	2.0	22
102	A connection between quadrature formulas on the unit circle and the interval [â^'1,1]. Journal of Computational and Applied Mathematics, 2001, 132, 1-14.	2.0	20
103	Bernstein equiconvergence and FejÃ©r-type theorems for general rational Fourier series. Journal of Computational and Applied Mathematics, 2001, 133, 635-645.	2.0	1
104	Determinacy of a rational moment problem. Journal of Computational and Applied Mathematics, 2001, 133, 241-252.	2.0	6
105	Orthogonal Rational Functions and Continued Fractions. , 2001, , 87-109.		6
106	Rational approximation in linear systems and control. Journal of Computational and Applied Mathematics, 2000, 121, 355-378.	2.0	30
107	Boundary Asymptotics for Orthogonal Rational Functions on the Unit Circle. Acta Applicandae Mathematicae, 2000, 61, 333-349.	1.0	7
108	Interpolation by Rational Functions with Nodes on the Unit Circle. Acta Applicandae Mathematicae, 2000, 61, 101-118.	1.0	7

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109	Rational wavelets on the real line. Numerical Functional Analysis and Optimization, 2000, 21, 77-96.	1.4	5
110	ORTHOGONAL RATIONAL FUNCTIONS AND INTERPOLATORY PRODUCT RULES ON THE UNIT CIRCLE. Analysis (Germany), 2000, 20, 99-120.	0.4	17
111	On the convergence of certain Gauss-type quadrature formulas for unbounded intervals. Mathematics of Computation, 1999, 69, 721-748.	2.1	14
112	Image de-noising by integer wavelet transforms and generalized cross validation. Medical Physics, 1999, 26, 622-630.	3.0	11
113	Restrictions on implicit filtering techniques for orthogonal projection methods. Linear Algebra and Its Applications, 1999, 286, 45-68.	0.9	0
114	A note on the relation between two convergence acceleration methods for ordinary continued fractions. Journal of Computational and Applied Mathematics, 1999, 101, 167-175.	2.0	1
115	A density problem for orthogonal rational functions. Journal of Computational and Applied Mathematics, 1999, 105, 199-212.	2.0	8
116	Using implicitly filtered RKS for generalised eigenvalue problems. Journal of Computational and Applied Mathematics, 1999, 107, 195-218.	2.0	3
117	Geometrical Priors for Noisefree Wavelet Coefficients in Image Denoising. Lecture Notes in Statistics, 1999, , 223-242.	0.2	8
118	Multiple wavelet threshold estimation by generalized cross validation for images with correlated noise. IEEE Transactions on Image Processing, 1999, 8, 947-953.	9.8	73
119	<title>Geometrical priors in a Bayesian approach to improve wavelet threshold procedures</title>. , 1999, 3813, 580.		3
120	Nested Lanczos: implicitly restarting an unsymmetric Lanczos algorithm. Numerical Algorithms, 1998, 18, 31-50.	1.9	8
121	Orthogonal rational functions and interpolatory product rules on the unit circle. II. Quadrature and convergence. Analysis (Germany), 1998, 18, 185-200.	0.4	16
122	Orthogonal rational functions and interpolatory product rules on the unit circle. I. Recurrence and interpolation. Analysis (Germany), 1998, 18, 167-184.	0.4	8
123	<title>WAILI: a software library for image processing using integer wavelet transforms</title>. , 1998, , .		3
124	On several aspects of {J}-inner functions in Schur analysis. Bulletin of the Belgian Mathematical Society - Simon Stevin, 1998, 5, .	0.2	3
125	<title>Wavelet-based image denoising using generalized cross validation</title>. , 1997, , .		2
126	The implicit application of a rational filter in the RKS method. BIT Numerical Mathematics, 1997, 37, 925-947.	2.0	13

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127	Quadrature on the half-line and two-point PadÃ© approximants to Stieltjes functionsâ€"II: Convergence. Journal of Computational and Applied Mathematics, 1997, 77, 53-76.	2.0	23
128	Rates of convergence of multipoint rational approximants and quadrature formulas on the unit circle. Journal of Computational and Applied Mathematics, 1997, 77, 77-101.	2.0	13
129	Look-ahead methods for block Hankel systems. Journal of Computational and Applied Mathematics, 1997, 86, 311-333.	2.0	2
130	Quadrature on the half line and two-point PadÃ© approximants to Stieltjes functions. Part III. The unbounded case. Journal of Computational and Applied Mathematics, 1997, 87, 95-117.	2.0	20
131	Generalized cross validation for wavelet thresholding. Signal Processing, 1997, 56, 33-44.	3.7	155
132	A generalized minimal partial realization problem. Linear Algebra and Its Applications, 1997, 254, 527-551.	0.9	6
133	A lookahead algorithm for the solution of block toeplitz systems. Linear Algebra and Its Applications, 1997, 266, 291-335.	0.9	11
134	Orthogonal Rational Functions and Nested Disks. Journal of Approximation Theory, 1997, 89, 344-371.	0.8	8
135	Akram Aldroubi and Michael Unser, Eds.Wavelets in Medicine and biology. Journal of Approximation Theory, 1997, 90, 458-459.	0.8	0
136	On the convergence of multipoint PadÃ©-type approximants and quadrature formulas associated with the unit circle. Numerical Algorithms, 1996, 13, 321-344.	1.9	13
137	K. B. Datta and B. M. Mohan,Orthogonal Functions in Systems and Control. Journal of Approximation Theory, 1996, 86, 363-364.	0.8	0
138	Duality in vector PadÃ©-Hermite approximation problems. Journal of Computational and Applied Mathematics, 1996, 66, 153-166.	2.0	1
139	Matrix and operator valued functions. Journal of Computational and Applied Mathematics, 1996, 66, N2.	2.0	0
140	Nonselfadjoint operator and related topics. Journal of Computational and Applied Mathematics, 1996, 66, N2-N3.	2.0	0
141	Schur parameters, factorization and dilation problems. Journal of Computational and Applied Mathematics, 1996, 75, N2.	2.0	0
142	Fouriers transforms:an introduction for engineers. Journal of Computational and Applied Mathematics, 1996, 75, N2-N3.	2.0	0
143	Formal orthogonal polynomials and Hankel/Toeplitz duality. Numerical Algorithms, 1995, 10, 289-335.	1.9	7
144	A look-ahead method for computing vector PadÃ©-Hermite approximants. Constructive Approximation, 1995, 11, 455-476.	3.0	4

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145	Favard theorem for reproducing kernels. Journal of Computational and Applied Mathematics, 1995, 57, 57-76.	2.0	2
146	Convergence of modified approximants associated with orthogonal rational functions. Journal of Computational and Applied Mathematics, 1995, 57, 77-86.	2.0	3
147	Quadrature on the half-line and two-point PadÃ© approximants to Stieltjes functions. Part I. Algebraic aspects. Journal of Computational and Applied Mathematics, 1995, 65, 57-72.	2.0	32
148	Vector Orthogonal Polynomials and Least Squares Approximation. SIAM Journal on Matrix Analysis and Applications, 1995, 16, 863-885.	1.4	28
149	Learning to swim in a sea of wavelets. Bulletin of the Belgian Mathematical Society - Simon Stevin, 1995, 2, .	0.2	23
150	Quadrature formulas on the unit circle based on rational functions. Journal of Computational and Applied Mathematics, 1994, 50, 159-170.	2.0	19
151	Oeuvres complÃ¨tes; collected papers, volumes 1 & 2 T.J. Stieltjes. Journal of Computational and Applied Mathematics, 1994, 50, N2.	2.0	0
152	Orthogonal Rational Functions with Poles on the Unit Circle. Journal of Mathematical Analysis and Applications, 1994, 182, 221-243.	1.0	24
153	Discrete linearized least-squares rational approximation on the unit circle. Journal of Computational and Applied Mathematics, 1994, 50, 545-563.	2.0	23
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155	Quadrature Formulas on the Unit Circle and Two-Point PadÃ© Approximation. , 1994, , 303-317.		8
156	Orthogonality and Boundary Interpolation. , 1994, , 37-47.		5
157	Asymptotics for orthogonal rational functions. Transactions of the American Mathematical Society, 1994, 346, 307-329.	0.9	13
158	Linear prediction: mathematics and engineering. Bulletin of the Belgian Mathematical Society - Simon Stevin, 1994, 1, .	0.2	4
159	First-Order Linear Recurrence Systems and General N-Fractions. , 1994, , 433-446.		0
160	Asymptotics for Orthogonal Rational Functions. Transactions of the American Mathematical Society, 1994, 346, 307.	0.9	2
161	Block orthogonal systems for symmetric P-forms. Journal of Computational and Applied Mathematics, 1993, 49, 305-315.	2.0	0
162	Moment problems and orthogonal functions. Journal of Computational and Applied Mathematics, 1993, 48, 49-68.	2.0	26

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163	A note on Thielen-fractions. Numerical Algorithms, 1993, 4, 225-239.	1.9	8
164	A parallel algorithm for discrete least squares rational approximation. Numerische Mathematik, 1992, 63, 99-121.	1.9	23
165	A new formal approach to the rational interpolation problem. Numerische Mathematik, 1992, 62, 87-122.	1.9	14
166	A Favard theorem for orthogonal rational functions on the unit circle. Numerical Algorithms, 1992, 3, 81-89.	1.9	16
167	A moment problem associated to rational SzegÅ‘ functions. Numerical Algorithms, 1992, 3, 91-104.	1.9	7
168	Orthogonal rational functions and quadrature on the unit circle. Numerical Algorithms, 1992, 3, 105-116.	1.9	25
169	A general module theoretic framework for vector M-PadÃ© and matrix rational interpolation. Numerical Algorithms, 1992, 3, 451-461.	1.9	51
170	The computation of orthogonal rational functions and their interpolating properties. Numerical Algorithms, 1992, 2, 85-114.	1.9	38
171	Operator Theory in Function Spaces. Journal of Computational and Applied Mathematics, 1991, 34, N2.	2.0	0
172	Identifiability, recursive identification and spaces of linear dynamical systems (2 volumes). European Journal of Operational Research, 1991, 54, 372.	5.7	0
173	The computation of non-perfect PadÃ©-Hermite approximants. Numerical Algorithms, 1991, 1, 285-304.	1.9	29
174	Matrix padÃ© approximation: definitions and properties. Linear Algebra and Its Applications, 1990, 137-138, 67-136.	0.9	17
175	A new approach to the rational interpolation problem. Journal of Computational and Applied Mathematics, 1990, 32, 281-289.	2.0	27
176	A new approach to the rational interpolation problem: The vector case. Journal of Computational and Applied Mathematics, 1990, 33, 331-346.	2.0	24
177	Minimal vector PadÃ© approximation. Journal of Computational and Applied Mathematics, 1990, 32, 27-37.	2.0	9
178	Convergence Acceleration for the Numerical Solution of Second-Order Linear Recurrence Relations. SIAM Journal on Numerical Analysis, 1990, 27, 166-177.	2.3	4
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180	A canonical matrix continued fraction solution of the minimal (partial) realization problem. Linear Algebra and Its Applications, 1989, 122-124, 973-1002.	0.9	18

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181	A note on two convergence acceleration methods for ordinary continued fractions. Journal of Computational and Applied Mathematics, 1988, 24, 403-409.	2.0	4
182	Notes on logic and set theory. Journal of Computational and Applied Mathematics, 1988, 24, N2.	2.0	0
183	Digitale filter. Journal of Computational and Applied Mathematics, 1988, 24, N3.	2.0	0
184	An algebraic method to solve the minimal partial realization problem for scalar sequences. Linear Algebra and Its Applications, 1988, 104, 117-129.	0.9	0
185	Laurent Series and their PadÃ© Approximations. , 1987, , .		41
186	PadÃ© techniques for model reduction in linear system theory: a survey. Journal of Computational and Applied Mathematics, 1986, 14, 401-438.	2.0	157
187	On the Convergence of Schur Parameters for a Toeplitz Matrix with a Meromorphic Symbol. Operator Theory: Advances and Applications, 1986, , 161-190.	0.2	1
188	The Asymptotic Behavior of Toeplitz Determinants Generated by the Laurent Coefficients of a Meromorphic Function. SIAM Journal on Algebraic and Discrete Methods, 1985, 6, 624-629.	0.8	3
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