

Francisco Marcellan

List of Publications by Year in Descending Order

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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.

256
papers

2,569
citations

24
h-index

36
g-index

265
ext. papers

2,802
ext. citations

1.3
avg, IF

5.17
L-index

#	Paper	IF	Citations
256	Associated orthogonal polynomials of the first kind and Darboux transformations. <i>Journal of Mathematical Analysis and Applications</i> , 2022 , 508, 125883	1.1	1
255	Characterizations of the Symmetric $T_{(\theta, q)}$ -Classical Orthogonal q -Polynomials. <i>Mediterranean Journal of Mathematics</i> , 2022 , 19, 1	0.9	
254	Second degree linear forms and semiclassical forms of class one: A case study. <i>Filomat</i> , 2022 , 36, 781-800.	0.7	
253	An Extension of the Coherent Pair of Measures of the Second Kind on the Unit Circle. <i>Operator Theory: Advances and Applications</i> , 2021 , 113-142	0.4	
252	Analytical Properties of Touchard-Based Hybrid Polynomials via Operational Techniques. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2021 , 44, 223-242	1.2	3
251	2-Orthogonal polynomials and Darboux transformations. Applications to the discrete Hahn-classical case. <i>Journal of Difference Equations and Applications</i> , 2021 , 27, 431-452	1	0
250	Rodrigues formula and recurrence coefficients for non-symmetric Dunkl-classical orthogonal polynomials. <i>Ramanujan Journal</i> , 2021 , 56, 451	0.7	
249	Spectral Transformations and Associated Linear Functionals of the First Kind. <i>Axioms</i> , 2021 , 10, 107	1.6	
248	A CMV connection between orthogonal polynomials on the unit circle and the real line. <i>Journal of Approximation Theory</i> , 2021 , 266, 105579	0.9	
247	Lupaş-type inequality and applications to Markov-type inequalities in weighted Sobolev spaces. <i>Bulletin of Mathematical Sciences</i> , 2021 , 11, 1950022	0.9	
246	Discrete/Continuous Jacobi/Sobolev Spaces and Fourier Series. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2021 , 44, 571-598	1.2	2
245	(H_q) -Semiclassical orthogonal polynomials via polynomial mappings. <i>Ramanujan Journal</i> , 2021 , 54, 113-136	0.36	0
244	Discrete Semiclassical Orthogonal Polynomials of Class 2. <i>SEMA SIMAI Springer Series</i> , 2021 , 103-169	0.2	
243	Special issue OPSFA15: orthogonal polynomials, special functions and applications. <i>Integral Transforms and Special Functions</i> , 2021 , 32, 333-335	1	
242	International Conference on Mathematical Analysis & its Applications (ICMAA 2016) 2020 , 28, 1-2		
241	Ratio asymptotics for biorthogonal matrix polynomials with unbounded recurrence coefficients. <i>Applicable Analysis and Discrete Mathematics</i> , 2020 , 14, 754-774	1	
240	From Standard Orthogonal Polynomials to Sobolev Orthogonal Polynomials: The Role of Semiclassical Linear Functionals. <i>Tutorials, Schools, and Workshops in the Mathematical Sciences</i> , 2020 , 245-292	0.2	1

239	Geronimus transformations of bivariate linear functionals. <i>Journal of Mathematical Analysis and Applications</i> , 2020 , 484, 123736	1.1	
238	Matrix biorthogonal polynomials on the real line: Geronimus transformations. <i>Bulletin of Mathematical Sciences</i> , 2019 , 09, 1950007	0.9	5
237	Christoffel Transformation for a Matrix of Bi-variate Measures. <i>Complex Analysis and Operator Theory</i> , 2019 , 13, 3979-4005	0.7	0
236	Coherent pairs of bivariate orthogonal polynomials. <i>Journal of Approximation Theory</i> , 2019 , 245, 40-63	0.9	2
235	An inverse problem associated with (1,1) symmetric coherent linear functionals. <i>Integral Transforms and Special Functions</i> , 2019 , 30, 526-546	1	
234	On Freud-Sobolev type orthogonal polynomials. <i>Afrika Matematika</i> , 2019 , 30, 505-528	0.7	3
233	Some New Identities Involving Sheffer-Appell Polynomial Sequences via Matrix Approach. <i>Mediterranean Journal of Mathematics</i> , 2019 , 16, 1	0.9	1
232	A Classification of Symmetric (1, 1)-Coherent Pairs of Linear Functionals. <i>Mathematics</i> , 2019 , 7, 213	2.3	
231	On Symmetric (1, 1)-Coherent Pairs and Sobolev Orthogonal polynomials: an algorithm to compute Fourier coefficients. <i>Revista Colombiana De Matematicas</i> , 2019 , 53, 139-164	0.2	0
230	Szegő transformation and zeros of analytic perturbations of Chebyshev weights. <i>Journal of Mathematical Analysis and Applications</i> , 2019 , 470, 571-583	1.1	2
229	Linear Combinations of d-Orthogonal Polynomials. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2019 , 42, 2009-2038	1.2	4
228	Non-Abelian integrable hierarchies: matrix biorthogonal polynomials and perturbations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018 , 51, 205204	2	10
227	On bivariate classical orthogonal polynomials. <i>Applied Mathematics and Computation</i> , 2018 , 325, 340-357	2.7	4
226	A canonical Geronimus transformation for matrix orthogonal polynomials. <i>Linear and Multilinear Algebra</i> , 2018 , 66, 357-381	0.7	3
225	Weighted Sobolev spaces: Markov-type inequalities and duality. <i>Bulletin of Mathematical Sciences</i> , 2018 , 8, 233-256	0.9	3
224	Matrix Pearson Equations Satisfied by Koornwinder Weights in Two Variables. <i>Acta Applicandae Mathematicae</i> , 2018 , 153, 81-100	1.1	4
223	Asymptotics of Sobolev orthogonal polynomials for Hermite (1,1)-coherent pairs. <i>Journal of Mathematical Analysis and Applications</i> , 2018 , 467, 601-621	1.1	2
222	Matrix biorthogonal polynomials on the real line: Geronimus transformations. <i>Bulletin of Mathematical Sciences</i> , 2018 ,	0.9	2

221	Orthogonality of quasi-orthogonal polynomials. <i>Filomat</i> , 2018 , 32, 6953-6977	0.7	4
220	On perturbed orthogonal polynomials on the real line and the unit circle via Szegő transformation. <i>Applied Mathematics and Computation</i> , 2017 , 302, 97-110	2.7	1
219	Sobolev Orthogonal Polynomials on the Unit Circle and Coherent Pairs of Measures of the Second Kind. <i>Results in Mathematics</i> , 2017 , 71, 1127-1149	0.9	3
218	On Co-polynomials on the Real Line and the Unit Circle. <i>Springer Optimization and Its Applications</i> , 2017 , 69-94	0.4	0
217	Asymptotics for varying discrete Sobolev orthogonal polynomials. <i>Applied Mathematics and Computation</i> , 2017 , 314, 65-79	2.7	5
216	Quadratures and integral transforms arising from generating functions. <i>Applied Mathematics and Computation</i> , 2017 , 297, 8-18	2.7	5
215	An Extension of the Geronimus Transformation for Orthogonal Matrix Polynomials on the Real Line. <i>Mediterranean Journal of Mathematics</i> , 2016 , 13, 5009-5032	0.9	4
214	Darboux transformations for CMV matrices. <i>Advances in Mathematics</i> , 2016 , 298, 122-206	1.3	10
213	Christoffel Transformations for Matrix Orthogonal Polynomials in the Real Line and the non-Abelian 2D Toda Lattice Hierarchy. <i>International Mathematics Research Notices</i> , 2016 , rrw027	0.8	4
212	Orthogonal polynomials and perturbations on measures supported on the real line and on the unit circle. A matrix perspective 2016 , 34, 287-326		1
211	Zeros of paraorthogonal polynomials and linear spectral transformations on the unit circle. <i>Numerical Algorithms</i> , 2016 , 71, 699-714	2.1	7
210	On polynomials associated with an Uvarov modification of a quartic potential Freud-like weight. <i>Applied Mathematics and Computation</i> , 2016 , 281, 102-120	2.7	6
209	Asymptotic behavior of varying discrete Jacobi-Sobolev orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2016 , 300, 341-353	2.4	6
208	Relative Asymptotics of Matrix Orthogonal Polynomials for Uvarov Perturbations: The Degenerate Case. <i>Mediterranean Journal of Mathematics</i> , 2016 , 13, 3135-3153	0.9	4
207	On Alpert multiwavelets. <i>Proceedings of the American Mathematical Society</i> , 2015 , 143, 2479-2494	0.8	3
206	Foreword to the proceedings of the OrthoQuad 2014 conference. <i>Journal of Computational and Applied Mathematics</i> , 2015 , 284, 1-9	2.4	
205	On co-polynomials on the real line. <i>Journal of Mathematical Analysis and Applications</i> , 2015 , 427, 469-483	1.1	7
204	A matrix characterization for the D-semiclassical and D-coherent orthogonal polynomials. <i>Linear Algebra and Its Applications</i> , 2015 , 487, 242-259	0.9	1

203	On Sobolev orthogonal polynomials 2015 , 33, 308-352		67
202	Asymptotic behavior of the partial derivatives of Laguerre kernels and some applications. <i>Journal of Mathematical Analysis and Applications</i> , 2015 , 421, 314-328	1.1	
201	OPUC, CMV matrices and perturbations of measures supported on the unit circle. <i>Linear Algebra and Its Applications</i> , 2015 , 485, 305-344	0.9	4
200	A matrix approach for the semiclassical and coherent orthogonal polynomials. <i>Applied Mathematics and Computation</i> , 2015 , 256, 459-471	2.7	5
199	Sobolev orthogonal polynomials on product domains. <i>Journal of Computational and Applied Mathematics</i> , 2015 , 284, 202-215	2.4	9
198	On Some Recent Results on Asymptotic Behavior of Orthogonal Polynomials on the Unit Circle and Inserting Point Masses 2015 , 75-101		
197	On an inverse problem for a linear combination of orthogonal polynomials. <i>Journal of Difference Equations and Applications</i> , 2014 , 20, 570-585	1	4
196	Recurrence relations and outer relative asymptotics of orthogonal polynomials with respect to a discrete Sobolev type inner product. <i>Bulletin of Mathematical Sciences</i> , 2014 , 4, 83-97	0.9	1
195	The structure of iterative methods for symmetric linear discrete ill-posed problems. <i>BIT Numerical Mathematics</i> , 2014 , 54, 129-145	1.7	4
194	A note on the Geronimus transformation and Sobolev orthogonal polynomials. <i>Numerical Algorithms</i> , 2014 , 67, 271-287	2.1	16
193	(M,N)-Coherent pairs of linear functionals and Jacobi matrices. <i>Applied Mathematics and Computation</i> , 2014 , 232, 76-83	2.7	3
192	Asymptotics for Laguerre-Sobolev type orthogonal polynomials modified within their oscillatory regime. <i>Applied Mathematics and Computation</i> , 2014 , 236, 260-272	2.7	2
191	Sieved para-orthogonal polynomials on the unit circle. <i>Applied Mathematics and Computation</i> , 2014 , 244, 335-343	2.7	1
190	(M,N)-coherent pairs of order(m,k)and Sobolev orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2014 , 256, 16-35	2.4	15
189	Multiple Geronimus transformations. <i>Linear Algebra and Its Applications</i> , 2014 , 454, 158-183	0.9	17
188	Discrete semiclassical orthogonal polynomials of class one. <i>Pacific Journal of Mathematics</i> , 2014 , 268, 389-411	0.5	12
187	An electrostatic model for zeros of perturbed Laguerre polynomials. <i>Proceedings of the American Mathematical Society</i> , 2014 , 142, 1733-1747	0.8	3
186	A Cohen type inequality for Laguerre-Sobolev expansions with a mass point outside their oscillatory regime. <i>Turkish Journal of Mathematics</i> , 2014 , 38, 994-1006	0.8	1

185	A finite class of orthogonal functions generated by Routh-Romanovski polynomials. <i>Complex Variables and Elliptic Equations</i> , 2014 , 59, 162-171	0.5	10
184	Generalized coherent pairs on the unit circle and Sobolev orthogonal polynomials. <i>Publications De L'Institut Mathématique</i> , 2014 , 96, 193-210	0.2	2
183	On a Direct Uvarov-Chihara Problem and Some Extensions 2014 , 691-704		
182	Asymptotic behaviour of Sobolev orthogonal polynomials on the unit circle. <i>Integral Transforms and Special Functions</i> , 2013 , 24, 23-38	1	5
181	Semi-classical linear functionals of class three: the symmetric case. <i>Journal of Difference Equations and Applications</i> , 2013 , 19, 162-178	1	2
180	Strong and ratio asymptotics for Laguerre polynomials revisited. <i>Journal of Mathematical Analysis and Applications</i> , 2013 , 403, 477-486	1.1	13
179	Varying discrete Laguerre-Sobolev orthogonal polynomials: Asymptotic behavior and zeros. <i>Applied Mathematics and Computation</i> , 2013 , 222, 612-618	2.7	3
178	Jacobi-Sobolev orthogonal polynomials: Asymptotics and a Cohen type inequality. <i>Journal of Approximation Theory</i> , 2013 , 170, 78-93	0.9	3
177	On computational aspects of discrete Sobolev inner products on the unit circle. <i>Applied Mathematics and Computation</i> , 2013 , 223, 452-460	2.7	2
176	Classical orthogonal polynomials with respect to a lowering operator generalizing the Laguerre operator. <i>Integral Transforms and Special Functions</i> , 2013 , 24, 636-648	1	5
175	On . <i>Journal of Mathematical Analysis and Applications</i> , 2013 , 398, 594-599	1.1	4
174	Asymptotic and interlacing properties of zeros of exceptional Jacobi and Laguerre polynomials. <i>Journal of Mathematical Analysis and Applications</i> , 2013 , 399, 480-495	1.1	34
173	(1,1)-Coherent Pairs on the Unit Circle. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-8	0.7	3
172	Bases of the space of solutions of some fourth-order linear difference equations: applications in rational approximation. <i>Journal of Difference Equations and Applications</i> , 2013 , 19, 1632-1644	1	2
171	(1,1)-D-coherent pairs. <i>Journal of Difference Equations and Applications</i> , 2013 , 19, 1828-1848	1	3
170	Orthogonal polynomials, Catalan numbers, and a general Hankel determinant evaluation. <i>Linear Algebra and Its Applications</i> , 2012 , 436, 2105-2116	0.9	7
169	Relative asymptotics for orthogonal matrix polynomials. <i>Linear Algebra and Its Applications</i> , 2012 , 437, 1458-1481	0.9	3
168	Quadratic Decomposition of a Laguerre-Hahn Polynomial Sequence II. <i>Mediterranean Journal of Mathematics</i> , 2012 , 9, 21-45	0.9	3

167	Higher Order Coherent Pairs. <i>Acta Applicandae Mathematicae</i> , 2012 , 121, 105-135	1.1	8
166	A non-symmetric second-degree semi-classical form of class one. <i>Integral Transforms and Special Functions</i> , 2012 , 23, 149-159	1	4
165	Generators of rational spectral transformations for nontrivial \mathcal{C} -functions. <i>Mathematics of Computation</i> , 2012 , 82, 1057-1068	1.6	2
164	Asymptotic properties of Laguerre-Sobolev type orthogonal polynomials. <i>Numerical Algorithms</i> , 2012 , 60, 51-73	2.1	11
163	(1, 1)-q-coherent pairs. <i>Numerical Algorithms</i> , 2012 , 60, 223-239	2.1	4
162	Zeros of Sobolev orthogonal polynomials on the unit circle. <i>Numerical Algorithms</i> , 2012 , 60, 669-681	2.1	4
161	Zeros of orthogonal polynomials generated by canonical perturbations of measures. <i>Applied Mathematics and Computation</i> , 2012 , 218, 7109-7127	2.7	7
160	On semiclassical linear functionals of class $s=2$: classification and integral representations. <i>Journal of Difference Equations and Applications</i> , 2012 , 18, 973-1000	1	7
159	Quadratic decomposition of a family of H_q -semiclassical orthogonal polynomial sequences. <i>Journal of Difference Equations and Applications</i> , 2012 , 18, 2039-2057	1	5
158	On orthogonal polynomials with respect to certain discrete Sobolev inner product. <i>Pacific Journal of Mathematics</i> , 2012 , 257, 167-188	0.5	8
157	Analytic properties of Laguerre-type orthogonal polynomials. <i>Integral Transforms and Special Functions</i> , 2011 , 22, 107-122	1	6
156	Lowering operators associated with D-Laguerre-Blahn polynomials. <i>Integral Transforms and Special Functions</i> , 2011 , 22, 879-893	1	1
155	Monotonicity and asymptotics of zeros of Laguerre-Sobolev-type orthogonal polynomials of higher order derivatives. <i>Proceedings of the American Mathematical Society</i> , 2011 , 139, 3929-3936	0.8	11
154	Jacobi-Sobolev Orthogonal Polynomials: Asymptotics for N-Coherence of Measures. <i>Journal of Inequalities and Applications</i> , 2011 , 2011, 294134	2.1	
153	The Laguerre-Sobolev-type orthogonal polynomials. Holonomic equation and electrostatic interpretation. <i>Rocky Mountain Journal of Mathematics</i> , 2011 , 41,	1.4	11
152	A new linear spectral transformation associated with derivatives of Dirac linear functionals. <i>Journal of Approximation Theory</i> , 2011 , 163, 1834-1853	0.9	5
151	The holonomic equation of the Laguerre-Sobolev-type orthogonal polynomials: a non-diagonal case. <i>Journal of Difference Equations and Applications</i> , 2011 , 17, 877-887	1	5
150	Orthogonal polynomials associated with an inverse quadratic spectral transform. <i>Computers and Mathematics With Applications</i> , 2011 , 61, 888-900	2.7	16

149	Perturbations on the subdiagonals of Toeplitz matrices. <i>Linear Algebra and Its Applications</i> , 2011 , 434, 1563-1579	0.9	16
148	Density of polynomials in some . <i>Linear Algebra and Its Applications</i> , 2011 , 435, 128-146	0.9	2
147	A note on monotonicity of zeros of generalized Hermite-Sobolev-type orthogonal polynomials. <i>Integral Transforms and Special Functions</i> , 2010 , 21, 831-838	1	2
146	Orthogonal polynomials and second-order pseudo-spectral linear differential equations. <i>Integral Transforms and Special Functions</i> , 2010 , 21, 487-501	1	1
145	Asymptotic Properties of Orthogonal Polynomials with Respect to a Non-discrete Jacobi-Sobolev Inner Product. <i>Acta Applicandae Mathematicae</i> , 2010 , 110, 1309-1320	1.1	2
144	q-Classical Orthogonal Polynomials: A General Difference Calculus Approach. <i>Acta Applicandae Mathematicae</i> , 2010 , 111, 107-128	1.1	12
143	Vector Interpretation of the Matrix Orthogonality on the Real Line. <i>Acta Applicandae Mathematicae</i> , 2010 , 112, 357-383	1.1	3
142	The Laguerre-Sobolev-type orthogonal polynomials. <i>Journal of Approximation Theory</i> , 2010 , 162, 421-440.	0.9	12
141	Monotonicity of zeros of Laguerre-Sobolev-type orthogonal polynomials. <i>Journal of Mathematical Analysis and Applications</i> , 2010 , 368, 80-89	1.1	12
140	Orthogonal polynomials and measures on the unit circle. The Geronimus transformations. <i>Journal of Computational and Applied Mathematics</i> , 2010 , 233, 1220-1231	2.4	18
139	When do linear combinations of orthogonal polynomials yield new sequences of orthogonal polynomials?. <i>Journal of Computational and Applied Mathematics</i> , 2010 , 233, 1446-1452	2.4	22
138	Asymptotic behaviour of Laguerre-Sobolev-type orthogonal polynomials. A nondiagonal case. <i>Journal of Computational and Applied Mathematics</i> , 2010 , 235, 998-1007	2.4	7
137	Quadratic decomposition of a Laguerre-Hahn polynomial sequence I. <i>Bulletin of the Belgian Mathematical Society - Simon Stevin</i> , 2010 , 17,	2.1	6
136	Perturbations of Laguerre-Hahn functional: modification by the derivative of a Dirac delta. <i>Integral Transforms and Special Functions</i> , 2009 , 20, 59-77	1	7
135	Linear Spectral Transformations and Laurent Polynomials. <i>Mediterranean Journal of Mathematics</i> , 2009 , 6, 273-289	0.9	4
134	A Cohen type inequality for Laguerre-Sobolev expansions. <i>Journal of Mathematical Analysis and Applications</i> , 2009 , 352, 880-889	1.1	8
133	Szegő transformations and rational spectral transformations for associated polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2009 , 233, 730-738	2.4	6
132	Szegő transformations and Nth order associated polynomials on the unit circle. <i>Computers and Mathematics With Applications</i> , 2009 , 57, 1659-1671	2.7	1

131	Verblunsky Parameters and Linear Spectral Transformations. <i>Methods and Applications of Analysis</i> , 2009 , 16, 69-86	0.3	9
130	Spectral transformations of measures supported on the unit circle and the Szegő transformation. <i>Numerical Algorithms</i> , 2008 , 49, 169-185	2.1	6
129	Coherent pairs of linear functionals on the unit circle. <i>Journal of Approximation Theory</i> , 2008 , 153, 122-137	1.1	11
128	Hardy-type theorem for orthogonal functions with respect to their zeros. The Jacobi weight case. <i>Journal of Mathematical Analysis and Applications</i> , 2008 , 341, 803-812	1.1	1
127	Geronimus spectral transforms and measures on the complex plane. <i>Journal of Computational and Applied Mathematics</i> , 2008 , 219, 441-456	2.4	12
126	Second structure relation for semiclassical orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2007 , 200, 537-554	2.4	10
125	Spectral transformations for Hermitian Toeplitz matrices. <i>Journal of Computational and Applied Mathematics</i> , 2007 , 202, 155-176	2.4	28
124	Electrostatic models for zeros of polynomials: Old, new, and some open problems. <i>Journal of Computational and Applied Mathematics</i> , 2007 , 207, 258-272	2.4	31
123	Second structure relation for q-semiclassical polynomials of the Hahn Tableau. <i>Journal of Mathematical Analysis and Applications</i> , 2007 , 329, 206-228	1.1	25
122	A new numerical quadrature formula on the unit circle. <i>Numerical Algorithms</i> , 2007 , 44, 391-401	2.1	4
121	Orthogonal polynomials with respect to the sum of an arbitrary measure and a Bernstein-Szegő measure. <i>Advances in Computational Mathematics</i> , 2007 , 26, 81-104	1.6	3
120	SEMICLASSICAL LINEAR FUNCTIONALS OF CLASS 2: THE SYMMETRIC CASE 2007 ,		4
119	On the basic set of solutions of a high-order linear difference equation. <i>Journal of Difference Equations and Applications</i> , 2006 , 12, 213-228	1	5
118	Two variable orthogonal polynomials and structured matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2006 , 28, 118-147	1.5	9
117	Polynomial perturbations of bilinear functionals and Hessenberg matrices. <i>Linear Algebra and Its Applications</i> , 2006 , 414, 64-83	0.9	19
116	A scalar Riemann boundary value problem approach to orthogonal polynomials on the circle. <i>Journal of Approximation Theory</i> , 2006 , 141, 174-181	0.9	4
115	Logarithmic asymptotics of contracted Sobolev extremal polynomials on the real line. <i>Journal of Approximation Theory</i> , 2006 , 143, 62-73	0.9	6
114	Asymptotics and Zeros of Sobolev Orthogonal Polynomials on Unbounded Supports. <i>Acta Applicandae Mathematicae</i> , 2006 , 94, 163-192	1.1	33

113	Kernels and best approximations related to the system of ultraspherical polynomials. <i>Journal of Approximation Theory</i> , 2005 , 133, 173-194	0.9	
112	On an extension of symmetric coherent pairs of orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2005 , 178, 155-168	2.4	11
111	Asymptotics for Sobolev Orthogonal Polynomials for Exponential Weights. <i>Constructive Approximation</i> , 2005 , 22, 309-346	1.6	10
110	Christoffel Transforms and Hermitian Linear Functionals. <i>Mediterranean Journal of Mathematics</i> , 2005 , 2, 451-458	0.9	18
109	Continuous symmetrized Sobolev inner products of order N (I). <i>Journal of Mathematical Analysis and Applications</i> , 2005 , 306, 83-96	1.1	1
108	On the Krall-type polynomials. <i>Journal of Applied Mathematics</i> , 2004 , 2004, 359-369	1.1	1
107	Discrete-Continuous Symmetrized Sobolev Inner Products. <i>Acta Applicandae Mathematicae</i> , 2004 , 82, 309-331	1.1	1
106	Modifications of quasi-definite linear functionals via addition of delta and derivatives of delta Dirac functions. <i>Indagationes Mathematicae</i> , 2004 , 15, 1-20	0.6	18
105	On rational transformations of linear functionals: direct problem. <i>Journal of Mathematical Analysis and Applications</i> , 2004 , 298, 171-183	1.1	14
104	Darboux transformation and perturbation of linear functionals. <i>Linear Algebra and Its Applications</i> , 2004 , 384, 215-242	0.9	84
103	GENERALIZED COHERENT PAIRS. <i>Journal of the Korean Mathematical Society</i> , 2004 , 41, 977-994		2
102	Companion Linear Functionals and Sobolev Inner Products: A Case Study. <i>Methods and Applications of Analysis</i> , 2004 , 11, 237-266	0.3	14
101	The Moments of the M/M/s Queue Length Process. <i>Queueing Systems</i> , 2003 , 44, 281-304	1.7	2
100	Generating functions and companion symmetric linear functionals. <i>Periodica Mathematica Hungarica</i> , 2003 , 46, 157-170	0.4	2
99	On asymptotic properties of Freud-Sobolev orthogonal polynomials. <i>Journal of Approximation Theory</i> , 2003 , 125, 26-41	0.9	9
98	Lebesgue perturbation of a quasi-definite Hermitian functional. The positive definite case. <i>Linear Algebra and Its Applications</i> , 2003 , 369, 235-250	0.9	9
97	Connection coefficients for Laguerre-Sobolev orthogonal polynomials. <i>Journal of Mathematical Analysis and Applications</i> , 2003 , 283, 440-458	1.1	2
96	Relative asymptotics and Fourier series of orthogonal polynomials with a discrete Sobolev inner product. <i>Journal of Approximation Theory</i> , 2003 , 121, 336-356	0.9	14

95	On linearly related orthogonal polynomials and their functionals. <i>Journal of Mathematical Analysis and Applications</i> , 2003 , 287, 307-319	1.1	21
94	Delta -Coherent Pairs and Orthogonal Polynomials of a Discrete Variable. <i>Integral Transforms and Special Functions</i> , 2003 , 14, 31-57	1	13
93	On Fourier Series of a Discrete Jacobi-Sobolev Inner Product. <i>Journal of Approximation Theory</i> , 2002 , 117, 1-22	0.9	14
92	Asymptotic Behavior of Sobolev-Type Orthogonal Polynomials on a Rectifiable Jordan Curve or Arc. <i>Constructive Approximation</i> , 2002 , 18, 161-182	1.6	16
91	Gaussian quadrature formulae on the unit circle. <i>Journal of Computational and Applied Mathematics</i> , 2002 , 140, 159-183	2.4	9
90	q-Coherent pairs and q-orthogonal polynomials. <i>Applied Mathematics and Computation</i> , 2002 , 128, 191-216		8
89	Sobolev-type orthogonal polynomials on the unit circle. <i>Applied Mathematics and Computation</i> , 2002 , 128, 329-363	2.7	9
88	Relative asymptotics for orthogonal matrix polynomials with respect to a perturbed matrix measure on the unit circle. <i>Analysis in Theory and Applications</i> , 2002 , 18, 1-19	1.5	6
87	On a Modification of the Jacobi Linear Functional: Asymptotic Properties and Zeros of the Corresponding Orthogonal Polynomials. <i>Acta Applicandae Mathematicae</i> , 2002 , 71, 127-158	1.1	6
86	On the Right-Definite and Left-Definite Spectral Theory of the Legendre Polynomials. <i>Journal of Computational Analysis and Applications</i> , 2002 , 4, 363-387		4
85	Characterization of the D_w -Laguerre-Hahn Functionals. <i>Journal of Difference Equations and Applications</i> , 2002 , 8, 689-717	1	5
84	A Cubic Decomposition of Sequences of Orthogonal Polynomials on the Unit Circle. <i>Complex Variables and Elliptic Equations</i> , 2002 , 47, 745-759		
83	On Kernel polynomials and self-perturbation of orthogonal polynomials. <i>Annali Di Matematica Pura Ed Applicata</i> , 2001 , 180, 127-146	0.8	11
82	On the Favard theorem and its extensions. <i>Journal of Computational and Applied Mathematics</i> , 2001 , 127, 231-254	2.4	27
81	On the q-polynomials: a distributional study. <i>Journal of Computational and Applied Mathematics</i> , 2001 , 135, 157-196	2.4	39
80	Differential properties for Sobolev orthogonality on the unit circle. <i>Journal of Computational and Applied Mathematics</i> , 2001 , 133, 231-239	2.4	
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