

Juan JosÃ© Moreno BalcÃ¡zar

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Sobolev Orthogonal Polynomials: Asymptotics and Symbolic Computation. East Asian Journal on Applied Mathematics, 2022, 12, 535-563.	0.9	0
2	Asymptotics for Some q-Hypergeometric Polynomials. Results in Mathematics, 2022, 77, .	0.8	0
3	Eigenvalue Problem for Discrete Jacobi Sobolev Orthogonal Polynomials. Mathematics, 2020, 8, 182.	2.2	2
4	Classical Sobolev Orthogonal Polynomials: Eigenvalue Problem. Results in Mathematics, 2019, 74, 1.	0.8	1
5	Modeling carbon dioxide for show cave conservation. Journal for Nature Conservation, 2019, 49, 76-84.	1.8	9
6	Linearization and Krein-like functionals of hypergeometric orthogonal polynomials. Journal of Mathematical Physics, 2018, 59, .	1.1	6
7	Ladder operators and a differential equation for varying generalized Freud-type orthogonal polynomials. Random Matrices: Theory and Application, 2018, 07, 1840005.	1.1	3
8	Differential operator for discrete Gegenbauer Sobolev orthogonal polynomials: Eigenvalues and asymptotics. Journal of Approximation Theory, 2018, 230, 32-49.	0.8	7
9	Asymptotics for varying discrete Sobolev orthogonal polynomials. Applied Mathematics and Computation, 2017, 314, 65-79.	2.2	6
10	WHAT IS... a Sobolev Orthogonal Polynomial?. Notices of the American Mathematical Society, 2017, 64, 873-875.	0.2	3
11	Asymptotic behavior of varying discrete Jacobi Sobolev orthogonal polynomials. Journal of Computational and Applied Mathematics, 2016, 300, 341-353.	2.0	6
12	On the zeros of a class of generalized hypergeometric polynomials. Applied Mathematics and Computation, 2015, 253, 151-158.	2.2	3
13	$\int_0^1 P_n(x) P_m(x) dx = \delta_{nm} \int_0^1 P_n^2(x) dx$ Meixner Sobolev orthogonal polynomials: Mehler Heine type formula and zeros. Journal of Computational and Applied Mathematics, 2015, 284, 228-234.	2.0	5
14	Asymptotic formulae for generalized Freud polynomials. Journal of Mathematical Analysis and Applications, 2015, 421, 474-488.	1.0	8
15	Varying discrete Laguerre Sobolev orthogonal polynomials: Asymptotic behavior and zeros. Applied Mathematics and Computation, 2013, 222, 612-618.	2.2	3
16	Jacobi Sobolev orthogonal polynomials: Asymptotics and a Cohen type inequality. Journal of Approximation Theory, 2013, 170, 78-93.	0.8	4
17	Zeros of varying Laguerre Krall orthogonal polynomials. Proceedings of the American Mathematical Society, 2013, 141, 2051-2060.	0.8	2
18	Varying Jacobi Krall orthogonal polynomials: local asymptotic behaviour and zeros. Ramanujan Journal, 2012, 28, 79-88.	0.7	2

#	ARTICLE	IF	CITATIONS
19	A generating function for nonstandard orthogonal polynomials involving differences: the Meixner case. <i>Ramanujan Journal</i> , 2011, 25, 21-35.	0.7	4
20	The semiclassical Sobolev orthogonal polynomials: A general approach. <i>Journal of Approximation Theory</i> , 2011, 163, 65-83.	0.8	5
21	A new approach to the asymptotics of Sobolev type orthogonal polynomials. <i>Journal of Approximation Theory</i> , 2011, 163, 460-480.	0.8	10
22	Asymptotics for Jacobi Sobolev orthogonal polynomials associated with non-coherent pairs of measures. <i>Journal of Approximation Theory</i> , 2010, 162, 1945-1963.	0.8	2
23	Some asymptotics for Sobolev orthogonal polynomials involving Gegenbauer weights. <i>Journal of Computational and Applied Mathematics</i> , 2010, 235, 904-915.	2.0	6
24	Asymptotics for a generalization of Hermite polynomials. <i>Asymptotic Analysis</i> , 2010, 66, 103-117.	0.5	4
25	Sobolev orthogonal polynomials: Balance and asymptotics. <i>Transactions of the American Mathematical Society</i> , 2008, 361, 547-560.	0.9	5
26	A note on the zeros of Freud Sobolev orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2007, 207, 338-344.	2.0	2
27	ASYMPTOTICS AND ZEROS OF SYMMETRICALLY COHERENT PAIRS OF HERMITE TYPE. , 2007, , .		0
28	Asymptotics and Zeros of Sobolev Orthogonal Polynomials on Unbounded Supports. <i>Acta Applicandae Mathematicae</i> , 2006, 94, 163-192.	1.0	40
29	Smallest zeros of some types of orthogonal polynomials: asymptotics. <i>Journal of Computational and Applied Mathematics</i> , 2005, 179, 289-301.	2.0	5
30	Asymptotic properties of generalized Laguerre orthogonal polynomials. <i>Indagationes Mathematicae</i> , 2004, 15, 151-165.	0.4	28
31	On asymptotic properties of Freud Sobolev orthogonal polynomials. <i>Journal of Approximation Theory</i> , 2003, 125, 26-41.	0.8	10
32	A Mehler Heine-type formula for Hermite Sobolev orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2003, 150, 25-35.	2.0	4
33	Laguerre Sobolev orthogonal polynomials: asymptotics for coherent pairs of type II. <i>Journal of Approximation Theory</i> , 2003, 122, 79-96.	0.8	13
34	Asymptotics of Sobolev orthogonal polynomials for Hermite coherent pairs. <i>Journal of Computational and Applied Mathematics</i> , 2001, 133, 141-150.	2.0	8
35	Strong and Plancherel Rotach Asymptotics of Non-diagonal Laguerre Sobolev Orthogonal Polynomials. <i>Journal of Approximation Theory</i> , 2001, 110, 54-73.	0.8	15
36	Inner products involving q-differences: the little q-Laguerre Sobolev polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2000, 118, 1-22.	2.0	13

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37	Ratio and Plancherel-Rotach asymptotics for Meixner-Sobolev orthogonal polynomials. Journal of Computational and Applied Mathematics, 2000, 116, 63-75.	2.0	9
38	Nondiagonal Hermite-Sobolev Orthogonal Polynomials. Acta Applicandae Mathematicae, 2000, 61, 257-266.	1.0	1
39	Analytic properties of nondiagonal Jacobi-Sobolev orthogonal polynomials. Journal of Computational and Applied Mathematics, 1999, 105, 393-401.	2.0	3
40	Asymptotics of Sobolev Orthogonal Polynomials for Coherent Pairs of Measures. Journal of Approximation Theory, 1998, 92, 280-293.	0.8	36
41	Teaching polynomial fitting to a set of data via orthogonal polynomials. International Journal of Mathematical Education in Science and Technology, 1998, 29, 481-487.	1.4	0
42	Asymptotics of Sobolev orthogonal polynomials for symmetrically coherent pairs of measures with compact support. Journal of Computational and Applied Mathematics, 1997, 81, 217-227.	2.0	12
43	Strong asymptotics for Gegenbauer-Sobolev orthogonal polynomials. Journal of Computational and Applied Mathematics, 1997, 81, 211-216.	2.0	12
44	Asymptotics of Sobolev orthogonal polynomials for a Jacobi weight. Methods and Applications of Analysis, 1997, 4, 430-437.	0.5	7
45	Fórmula do tipo Mehler-Heine para uma classe de polinômios hipergeométricos generalizados. , 0, , .		0