

Lidia Fernandez

List of Publications by Year in descending order

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22
papers

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1163117

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1125743

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23
all docs

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docs citations

23
times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	On Koornwinder classical orthogonal polynomials in two variables. <i>Journal of Computational and Applied Mathematics</i> , 2012, 236, 3817-3826.	2.0	22
2	Weak classical orthogonal polynomials in two variables. <i>Journal of Computational and Applied Mathematics</i> , 2005, 178, 191-203.	2.0	18
3	Classical orthogonal polynomials in two variables: a matrix approach. <i>Numerical Algorithms</i> , 2005, 39, 131-142.	1.9	17
4	Krall-type orthogonal polynomials in several variables. <i>Journal of Computational and Applied Mathematics</i> , 2010, 233, 1519-1524.	2.0	14
5	Sobolev orthogonal polynomials on product domains. <i>Journal of Computational and Applied Mathematics</i> , 2015, 284, 202-215.	2.0	13
6	Second order partial differential equations for gradients of orthogonal polynomials in two variables. <i>Journal of Computational and Applied Mathematics</i> , 2007, 199, 113-121.	2.0	11
7	Orthogonal polynomials in two variables as solutions of higher order partial differential equations. <i>Journal of Approximation Theory</i> , 2011, 163, 84-97.	0.8	11
8	Methods for the rapid solution of the pricing PIDEs in exponential and Merton models. <i>Journal of Computational and Applied Mathematics</i> , 2008, 222, 128-143.	2.0	10
9	Sobolev orthogonal polynomials on the unit ball via outward normal derivatives. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 440, 716-740.	1.0	9
10	Semiclassical orthogonal polynomials in two variables. <i>Journal of Computational and Applied Mathematics</i> , 2007, 207, 323-330.	2.0	8
11	Orthogonal polynomials in several variables for measures with mass points. <i>Numerical Algorithms</i> , 2010, 55, 245-264.	1.9	8
12	Cohomology of cofibred categorical groups. <i>Journal of Pure and Applied Algebra</i> , 1999, 143, 107-154.	0.6	7
13	A matrix Rodrigues formula for classical orthogonal polynomials in two variables. <i>Journal of Approximation Theory</i> , 2009, 157, 32-52.	0.8	7
14	New steps on Sobolev orthogonality in two variables. <i>Journal of Computational and Applied Mathematics</i> , 2010, 235, 916-926.	2.0	7
15	A semiclassical perspective on multivariate orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2008, 214, 447-456.	2.0	6
16	On the Uvarov Modification of Two Variable Orthogonal Polynomials on the Disk. <i>Complex Analysis and Operator Theory</i> , 2012, 6, 665-676.	0.6	6
17	Bivariate orthogonal polynomials in the Lyskova class. <i>Journal of Computational and Applied Mathematics</i> , 2009, 233, 597-601.	2.0	5
18	Quasi-birth-and-death processes and multivariate orthogonal polynomials. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 499, 125029.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Fourth order partial differential equations for Krall-type orthogonal polynomials on the triangle. Proceedings of the American Mathematical Society, 2018, 146, 3961-3974.	0.8	2
20	Multivariate Orthogonal Polynomials and Modified Moment Functionals. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	2
21	On differential properties for bivariate orthogonal polynomials. Numerical Algorithms, 2007, 45, 153-166.	1.9	1
22	Darboux transformations from the Appell-Lauricella operator. Journal of Mathematical Analysis and Applications, 2020, 482, 123546.	1.0	1