

# Stanisław Lewanowicz

## List of Publications by Year in descending order

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37  
papers

446  
citations

687363

13  
h-index

752698

20  
g-index

38  
all docs

38  
docs citations

38  
times ranked

117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-degree reduction of Bézier curves with constraints, using dual Bernstein basis polynomials. <i>Computer Aided Geometric Design</i> , 2009, 26, 566-579.	1.2	50
2	Generalized Bernstein Polynomials. <i>BIT Numerical Mathematics</i> , 2004, 44, 63-78.	2.0	42
3	Recurrence relations for the connection coefficients of orthogonal polynomials of a discrete variable. <i>Journal of Computational and Applied Mathematics</i> , 1996, 76, 213-229.	2.0	29
4	Generalized Watson's summation formula for ${}_3F_2(1)$ . <i>Journal of Computational and Applied Mathematics</i> , 1997, 86, 375-386.	2.0	29
5	Second-order recurrence relation for the linearization coefficients of the classical orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 1996, 69, 159-170.	2.0	24
6	Quick construction of recurrence relations for the Jacobi coefficients. <i>Journal of Computational and Applied Mathematics</i> , 1992, 43, 355-372.	2.0	23
7	Dual generalized Bernstein basis. <i>Journal of Approximation Theory</i> , 2006, 138, 129-150.	0.8	23
8	Results on the associated classical orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 1995, 65, 215-231.	2.0	18
9	Bézier representation of the constrained dual Bernstein polynomials. <i>Applied Mathematics and Computation</i> , 2011, 218, 4580-4586.	2.2	18
10	Polynomial approximation of rational Bézier curves with constraints. <i>Numerical Algorithms</i> , 2012, 59, 607-622.	1.9	16
11	Title is missing!. <i>Numerical Algorithms</i> , 2000, 23, 31-50.	1.9	14
12	Connections between two-variable Bernstein and Jacobi polynomials on the triangle. <i>Journal of Computational and Applied Mathematics</i> , 2006, 197, 520-533.	2.0	14
13	Two-variable orthogonal polynomials of big $q$ -Jacobi type. <i>Journal of Computational and Applied Mathematics</i> , 2010, 233, 1554-1561.	2.0	14
14	Recurrence relations for the connection coefficients of orthogonal polynomials of a discrete variable on the lattice $x(s) = q2s$ . <i>Journal of Computational and Applied Mathematics</i> , 1998, 99, 275-286.	2.0	13
15	Evaluation of Bessel function integrals with algebraic singularities. <i>Journal of Computational and Applied Mathematics</i> , 1991, 37, 101-112.	2.0	12
16	Recurrence Relations for the Coefficients in Jacobi Series Solutions of Linear Differential Equations. <i>SIAM Journal on Mathematical Analysis</i> , 1986, 17, 1037-1052.	1.9	11
17	Constrained multi-degree reduction of triangular Bézier surfaces using dual Bernstein polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2010, 235, 785-804.	2.0	11
18	Multi-degree reduction of tensor product Bézier surfaces with general boundary constraints. <i>Applied Mathematics and Computation</i> , 2011, 217, 4596-4611.	2.2	11

#	ARTICLE	IF	CITATIONS
19	Results on the associated Jacobi and Gegenbauer polynomials. <i>Journal of Computational and Applied Mathematics</i> , 1993, 49, 137-143.	2.0	10
20	Construction of a recurrence relation for modified moments. <i>Journal of Computational and Applied Mathematics</i> , 1979, 5, 193-206.	2.0	8
21	An analytic method for convergence acceleration of certain hypergeometric series. <i>Mathematics of Computation</i> , 1995, 64, 691-691.	2.1	8
22	Linearization of the product of orthogonal polynomials of a discrete variable. <i>Applicationes Mathematicae</i> , 1997, 24, 445-455.	0.1	7
23	Representations for the first associated $q$ -classical orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2003, 150, 311-327.	2.0	5
24	Construction of recurrences for the coefficients of expansions in $q$ -classical orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2003, 153, 295-309.	2.0	4
25	Multivariate generalized Bernstein polynomials: identities for orthogonal polynomials of two variables. <i>Numerical Algorithms</i> , 2008, 49, 199-220.	1.9	4
26	Efficient merging of multiple segments of Bézier curves. <i>Applied Mathematics and Computation</i> , 2015, 268, 354-363.	2.2	4
27	$C_{k,l}$ -constrained multi-degree reduction of Bézier curves. <i>Numerical Algorithms</i> , 2016, 71, 121-137.	1.9	4
28	Degree reduction of composite Bézier curves. <i>Applied Mathematics and Computation</i> , 2017, 293, 40-48.	2.2	4
29	Recurrences for the coefficients of series expansions with respect to classical orthogonal polynomials. <i>Applicationes Mathematicae</i> , 2002, 29, 97-116.	0.1	4
30	Structure relations for the bivariate big $q$ -Jacobi polynomials. <i>Applied Mathematics and Computation</i> , 2013, 219, 8790-8802.	2.2	3
31	Constrained approximation of rational triangular Bézier surfaces by polynomial triangular Bézier surfaces. <i>Numerical Algorithms</i> , 2017, 75, 93-111.	1.9	3
32	On the fourth-order difference equation for the associated Meixner polynomials. <i>Journal of Computational and Applied Mathematics</i> , 1997, 80, 351-358.	2.0	2
33	Recursion formulae for basic hypergeometric functions. <i>Journal of Computational and Applied Mathematics</i> , 2000, 121, 297-312.	2.0	2
34	A simple approach to the summation of certain slowly convergent series. <i>Mathematics of Computation</i> , 1994, 63, 741-741.	2.1	1
35	Error bounds for a near-minimax approximation. <i>BIT Numerical Mathematics</i> , 1993, 33, 151-157.	2.0	0
36	Recurrence Relations for the Coefficients in Series Expansions with Respect to Semi-Classical Orthogonal Polynomials. <i>Numerical Algorithms</i> , 2004, 35, 61-79.	1.9	0

#	ARTICLE	IF	CITATIONS
37	B&Ozler form of dual bivariate Bernstein polynomials. <i>Advances in Computational Mathematics</i> , 2017, 43, 777-793.	1.6	0