

Doron Lubinsky

List of Publications by Year in descending order

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55
papers

610
citations

623734

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642732

23
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62
all docs

62
docs citations

62
times ranked

146
citing authors

#	ARTICLE	IF	CITATIONS
1	A new approach to universality limits involving orthogonal polynomials. <i>Annals of Mathematics</i> , 2009, 170, 915-939.	4.2	105
2	Rogersâ€‘Ramanujan and the Bakerâ€‘Gammelâ€‘Wills (Padâ€‘) conjecture. <i>Annals of Mathematics</i> , 2003, 157, 847-889.	4.2	48
3	Universality limits in the bulk for arbitrary measures on compact sets. <i>Journal D'Analyse Mathematique</i> , 2008, 106, 373-394.	0.8	36
4	Orthogonal polynomials for exponential weights <small>Orthogonal polynomials for exponential weights </small> <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema-instance" xmlns:xi="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/common/struct-cite/dtd" /></small>	0.8	35
5	Appr Gaussian quadrature, weights on the whole real line and even entire functions with nonnegative even order derivatives. <i>Journal of Approximation Theory</i> , 1986, 46, 297-313.	0.8	28
6	Mean convergence of Lagrange interpolation for Freud's weights with application to product integration rules. <i>Journal of Computational and Applied Mathematics</i> , 1987, 17, 79-103.	2.0	27
7	Orthogonal polynomials for exponential weights <small>Orthogonal polynomials for exponential weights </small> <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema-instance" xmlns:xi="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/common/struct-cite/dtd" /></small>	0.8	27
8	Universality Limits Involving Orthogonal Polynomials on the Unit Circle. <i>Computational Methods and Function Theory</i> , 2007, 7, 543-561.	1.5	23
9	Universality limits for random matrices and de Branges spaces of entire functions. <i>Journal of Functional Analysis</i> , 2009, 256, 3688-3729.	1.4	19
10	L p Christoffel functions, L p universality, and Paley-Wiener spaces. <i>Journal D'Analyse Mathematique</i> , 2015, 125, 243-283.	0.8	19
11	On the Bernstein Constants of Polynomial Approximation. <i>Constructive Approximation</i> , 2007, 25, 303-366.	3.0	16
12	Asymptotic Behavior of Nikolskii Constants for Polynomials on the Unit Circle. <i>Computational Methods and Function Theory</i> , 2015, 15, 459-468.	1.5	16
13	Best approximation and interpolation of $(1+(ax)^2)^{\alpha-1}$ and its transforms. <i>Journal of Approximation Theory</i> , 2003, 125, 106-115.	0.8	15
14	Bulk universality holds in measure for compactly supported measures. <i>Journal D'Analyse Mathematique</i> , 2012, 116, 219-253.	0.8	15
15	Universality Limits for Exponential Weights. <i>Constructive Approximation</i> , 2009, 29, 247-275.	3.0	14
16	Large Sieve Inequalities via Subharmonic Methods and the Mahler Measure of the Fekete Polynomials. <i>Canadian Journal of Mathematics</i> , 2007, 59, 730-741.	0.6	13
17	Orthogonal Polynomials and Christoffel Functions for $\text{Exp}(\alpha^2 X ^\alpha)$, $\alpha \geq 1$. <i>Journal of Approximation Theory</i> , 1995, 80, 219-252.	0.8	12
18	STRONG ASYMPTOTICS FOR POLYNOMIALS BIORTHOGONAL TO POWERS OF LOG X. <i>Analysis (Germany)</i> , 1994, 14, 341-380.	0.4	10

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19	(C, \hat{A}) Means of Orthonormal Expansions for Exponential Weights. <i>Journal of Approximation Theory</i> , 2000, 103, 151-182.	0.8	9
20	Which weights on \hat{a}_n admit Jackson Theorems? <i>Israel Journal of Mathematics</i> , 2006, 155, 253-280.	0.8	9
21	Expected number of real zeros for random orthogonal polynomials. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2018, 164, 47-66.	0.4	9
22	On the Airy Reproducing Kernel, Sampling Series, and Quadrature Formula. <i>Integral Equations and Operator Theory</i> , 2009, 63, 427-438.	0.8	8
23	Some recent methods for establishing universality limits. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 71, e2750-e2765.	1.1	7
24	Asymptotic zero distribution of biorthogonal polynomials. <i>Journal of Approximation Theory</i> , 2015, 190, 26-49.	0.8	7
25	Jackson and Bernstein theorems for the weight $\exp(\hat{a}^n x)$ on \hat{a}_n . <i>Israel Journal of Mathematics</i> , 2006, 153, 193-219.	0.8	6
26	L_p boundedness of $(C, 1)$ means of orthonormal expansions for general exponential weights. <i>Journal of Computational and Applied Mathematics</i> , 2002, 145, 387-405.	2.0	5
27	Asymptotics for entropy integrals associated with exponential weights. <i>Journal of Computational and Applied Mathematics</i> , 2003, 156, 265-283.	2.0	5
28	Weights whose biorthogonal polynomials admit a Rodrigues formula. <i>Journal of Mathematical Analysis and Applications</i> , 2006, 324, 805-819.	1.0	5
29	Universality Type Limits for Bergman Orthogonal Polynomials. <i>Computational Methods and Function Theory</i> , 2010, 10, 135-154.	1.5	5
30	Orthogonal Dirichlet polynomials with arctangent density. <i>Journal of Approximation Theory</i> , 2014, 177, 43-56.	0.8	5
31	Local asymptotics for orthonormal polynomials on the unit circle via universality. <i>Journal D'Analyse Mathématique</i> , 2020, 141, 285-304.	0.8	5
32	Weighted Maximum Over Minimum Modulus of Polynomials, Applied to Ray Sequences of Padé Approximants. <i>Constructive Approximation</i> , 2002, 18, 285-308.	3.0	4
33	A Hilbert transform representation of the error in Lagrange interpolation. <i>Journal of Approximation Theory</i> , 2004, 129, 94-100.	0.8	4
34	Asymptotics of derivatives of orthogonal polynomials on the unit circle. <i>Journal of Approximation Theory</i> , 2007, 145, 122-127.	0.8	4
35	A Maximal Function Approach to Christoffel Functions and Nevai's Operators. <i>Constructive Approximation</i> , 2011, 34, 357-369.	3.0	4
36	Universality Limits Involving Orthogonal Polynomials on an Arc of the Unit Circle. <i>Computational Methods and Function Theory</i> , 2013, 13, 91-106.	1.5	3

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37	Dirichlet orthogonal polynomials with Laguerre weight. <i>Journal of Approximation Theory</i> , 2015, 194, 146-156.	0.8	3
38	On Uniform Convergence of Diagonal Multipoint Padé Approximants for Entire Functions. <i>Constructive Approximation</i> , 2019, 49, 149-174.	3.0	3
39	Weighted Markov-Bernstein inequalities for entire functions of exponential type. <i>Publications De L'Institut Mathématique</i> , 2014, 96, 181-192.	0.2	3
40	Polynomials biorthogonal to dilations of measures, and their asymptotics. <i>Journal of Mathematical Analysis and Applications</i> , 2013, 397, 91-108.	1.0	2
41	Uniform Mean Value Estimates and Discrete Hilbert Inequalities VIA Orthogonal Dirichlet Series. <i>Acta Mathematica Hungarica</i> , 2014, 143, 422-438.	0.5	2
42	Variance of real zeros of random orthogonal polynomials. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 498, 124954.	1.0	2
43	Some biorthogonal polynomials arising in numerical analysis and approximation theory. <i>Journal of Computational and Applied Mathematics</i> , 2022, 403, 113842.	2.0	2
44	On recurrence coefficients for rapidly decreasing exponential weights. <i>Journal of Approximation Theory</i> , 2007, 144, 260-281.	0.8	1
45	Orthogonal polynomials for weights close to indeterminacy. <i>Journal of Approximation Theory</i> , 2007, 147, 129-168.	0.8	1
46	The size of the set of $\frac{1}{4}$ -irregular points of a measure $\hat{\mu}^{\frac{1}{4}}$. <i>Acta Mathematica Hungarica</i> , 2011, 133, 242-250.	0.5	1
47	The degree of shape preserving weighted polynomial approximation. <i>Journal of Approximation Theory</i> , 2012, 164, 218-228.	0.8	1
48	A variational principle for correlation functions for unitary ensembles, with applications. <i>Analysis and PDE</i> , 2013, 6, 109-130.	1.4	1
49	Orthogonal Dirichlet polynomials with constant weight. <i>Applicable Analysis and Discrete Mathematics</i> , 2019, 13, 697-710.	0.7	1
50	Distribution of eigenvalues of Toeplitz matrices with smooth entries. <i>Linear Algebra and Its Applications</i> , 2022, 633, 332-365.	0.9	1
51	Average growth of L_p norms of Erdős-Szekeres polynomials. <i>Acta Mathematica Hungarica</i> , 2022, 166, 179.	0.5	1
52	Asymptotics of derivatives of orthogonal polynomials on the real line. <i>Acta Mathematica Hungarica</i> , 2008, 118, 115-127.	0.5	0
53	Orthogonal polynomials and Padé approximants for reciprocal polynomial weights. <i>Journal of Approximation Theory</i> , 2010, 162, 298-302.	0.8	0
54	Scaling Limits for Mixed Kernels. <i>Constructive Approximation</i> , 2016, 43, 311-336.	3.0	0

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55	On Baker's Patchwork Conjecture for Diagonal Padé Approximants. <i>Constructive Approximation</i> , 2021, 53, 545-567.	3.0	0