

# Maxim Zinchenko

## List of Publications by Year in descending order

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43  
papers

489  
citations

687363

13  
h-index

713466

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g-index

46  
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46  
docs citations

46  
times ranked

150  
citing authors

#	ARTICLE	IF	CITATIONS
1	On spectral theory for Schrödinger operators with strongly singular potentials. <i>Mathematische Nachrichten</i> , 2006, 279, 1041-1082.	0.8	90
2	Weyl-Titchmarsh theory for CMV operators associated with orthogonal polynomials on the unit circle. <i>Journal of Approximation Theory</i> , 2006, 139, 172-213.	0.8	45
3	Variations on a theme of Jost and Pais. <i>Journal of Functional Analysis</i> , 2007, 253, 399-448.	1.4	44
4	Asymptotics of Chebyshev polynomials, I: subsets of $\mathbb{R}$ . <i>Inventiones Mathematicae</i> , 2017, 208, 217-245.	2.5	25
5	Finite Gap Jacobi Matrices, I. The Isospectral Torus. <i>Constructive Approximation</i> , 2010, 32, 1-65.	3.0	23
6	A BORG-TYPE THEOREM ASSOCIATED WITH ORTHOGONAL POLYNOMIALS ON THE UNIT CIRCLE. <i>Journal of the London Mathematical Society</i> , 2006, 74, 757-777.	1.0	19
7	Initial value problems and Weyl-Titchmarsh theory for Schrödinger operators with operator-valued potentials. <i>Operators and Matrices</i> , 2013, , 241-283.	0.3	18
8	Finite Gap Jacobi Matrices, II. The Szegő Class. <i>Constructive Approximation</i> , 2011, 33, 365-403.	3.0	17
9	Local spectral properties of reflectionless Jacobi, CMV, and Schrödinger operators. <i>Journal of Differential Equations</i> , 2009, 246, 78-107.	2.2	16
10	Renormalized oscillation theory for Hamiltonian systems. <i>Advances in Mathematics</i> , 2017, 311, 569-597.	1.1	15
11	Weyl-Titchmarsh theory and Borg-Marchenko-type uniqueness results for CMV operators with matrix-valued Verblunsky coefficients. <i>Operators and Matrices</i> , 2007, , 535-592.	0.3	15
12	The Hilbert transform of a measure. <i>Journal D'Analyse Mathématique</i> , 2010, 111, 247-265.	0.8	14
13	On spectral theory for Schrödinger operators with operator-valued potentials. <i>Journal of Differential Equations</i> , 2013, 255, 1784-1827.	2.2	14
14	Essential Closures and AC Spectra for Reflectionless CMV, Jacobi, and Schrödinger Operators Revisited. <i>Acta Applicandae Mathematicae</i> , 2008, 103, 315-339.	1.0	13
15	Asymptotics of Chebyshev polynomials, II: DCT subsets of $\mathbb{R}$ . <i>Duke Mathematical Journal</i> , 2019, 168, .	1.5	13
16	Symmetrized perturbation determinants and applications to boundary data maps and Krein-type resolvent formulas. <i>Proceedings of the London Mathematical Society</i> , 2012, 104, 577-612.	1.3	12
17	Boundary data maps and Krein's resolvent formula for Sturm-Liouville operators on a finite interval. <i>Operators and Matrices</i> , 2014, , 1-71.	0.3	10
18	Multi-dimensional versions of a determinant formula due to Jost and Pais. <i>Reports on Mathematical Physics</i> , 2007, 59, 365-377.	0.8	7

#	ARTICLE	IF	CITATIONS
19	Right Limits and Reflectionless Measures for CMV Matrices. Communications in Mathematical Physics, 2009, 292, 1-28.	2.2	6
20	Finite Gap Jacobi Matrices, III. Beyond the Szegő Class. Constructive Approximation, 2012, 35, 259-272.	3.0	6
21	Finite gap Jacobi matrices: An announcement. Journal of Computational and Applied Mathematics, 2009, 233, 652-662.	2.0	5
22	Sharp lower bounds for the Widom factors on the real line. Journal of Mathematical Analysis and Applications, 2020, 484, 123729.	1.0	5
23	On the Widom factors for $L_p$ -extremal polynomials. Journal of Approximation Theory, 2020, 259, 105480.	0.8	5
24	Norm estimates for Chebyshev polynomials, I. Journal of Approximation Theory, 2021, 265, 105561.	0.8	5
25	Asymptotics of Chebyshev Polynomials, III. Sets Saturating Szegő, Schiefermayr, and Totik's Widom Bounds. Operator Theory: Advances and Applications, 2020, , 231-246.	0.2	5
26	The inverse resonance problem for CMV operators. Inverse Problems, 2010, 26, 055012.	2.0	4
27	On a Perturbation Determinant for Accumulative Operators. Integral Equations and Operator Theory, 2015, 81, 301-317.	0.8	4
28	Donoghue-type $m$ -functions for Schrödinger operators with operator-valued potentials. Journal D'Analyse Mathématique, 2019, 137, 373-427.	0.8	4
29	Asymptotics of Chebyshev Polynomials. IV. Comments on the Complex Case. Journal D'Analyse Mathématique, 2020, 141, 207-223.	0.8	4
30	On Dirichlet-to-Neumann Maps and Some Applications to Modified Fredholm Determinants. , 2008, , 191-215.		4
31	Stability and uniqueness properties of Taylor approximations of matrix functions. Linear Algebra and Its Applications, 2019, 582, 218-236.	0.9	3
32	Lieb's Thirring inequalities for complex finite gap Jacobi matrices. Letters in Mathematical Physics, 2017, 107, 1769-1780.	1.1	2
33	Remarks on periodic Jacobi matrices on trees. Journal of Mathematical Physics, 2021, 62, 042101.	1.1	2
34	On a class of model Hilbert spaces. Discrete and Continuous Dynamical Systems, 2013, 33, 5067-5088.	0.9	2
35	Asymptotics of Chebyshev polynomials, V. residual polynomials. Ramanujan Journal, 2023, 61, 251-278.	0.7	2
36	Trace formulas and a Borg's type theorem for CMV operators with matrix-valued coefficients. Mathematische Nachrichten, 2010, 283, 312-329.	0.8	1

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37	Lieb's Thirring Inequalities for Finite and Infinite Gap Jacobi Matrices. <i>Annales Henri Poincare</i> , 2017, 18, 1949-1976.	1.7	1
38	On uniqueness of higher order spectral shift functions. <i>Studia Mathematica</i> , 2020, 251, 207-218.	0.7	1
39	Erratum to "Non Self Adjoint Operators, Infinite Determinants, and Some Applications," <i>Russ. J. Math. Phys.</i> 12, 443-471 (2005). <i>Russian Journal of Mathematical Physics</i> , 2020, 27, 410-410.	1.5	1
40	On Dirichlet-to-Neumann Maps, Nonlocal Interactions, and Some Applications to Fredholm Determinants. <i>Few-Body Systems</i> , 2010, 47, 49-64.	1.5	0
41	CMV Matrices with Super Exponentially Decaying Verblunsky Coefficients. <i>Mathematical Modelling of Natural Phenomena</i> , 2014, 9, 282-294.	2.4	0
42	Eigenvectors from eigenvalues: the case of one-dimensional Schrödinger operators. <i>Annals of Functional Analysis</i> , 2021, 12, 1.	0.8	0
43	Norm estimates for Chebyshev polynomials, II. <i>Journal of Mathematical Analysis and Applications</i> , 2022, 512, 126131.	1.0	0