

# Maxim Derevyagin

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Spectral problems for generalized Jacobi matrices. <i>Linear Algebra and Its Applications</i> , 2004, 382, 1-24.	0.9	29
2	A note on the Geronimus transformation and Sobolev orthogonal polynomials. <i>Numerical Algorithms</i> , 2014, 67, 271-287.	1.9	19
3	Perfect quantum state transfer on diamond fractal graphs. <i>Quantum Information Processing</i> , 2020, 19, 1.	2.3	19
4	Discrete integrable systems generated by Hermite- $\text{Pad}\ddot{\circ}$ approximants. <i>Nonlinearity</i> , 2016, 29, 1487-1506.	1.5	17
5	Spectra of perfect state transfer Hamiltonians on fractal-like graphs. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 125301.	2.2	14
6	Darboux transformations of Jacobi matrices and $\text{Pad}\ddot{\circ}$ approximation. <i>Linear Algebra and Its Applications</i> , 2011, 435, 3056-3084.	0.9	13
7	CMV Matrices and Little and Big $\hat{\sim}^1$ Jacobi Polynomials. <i>Constructive Approximation</i> , 2012, 36, 513-535.	3.0	10
8	The linear pencil approach to rational interpolation. <i>Journal of Approximation Theory</i> , 2010, 162, 1322-1346.	0.8	9
9	Generalized Jacobi operators in Krein spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2009, 349, 568-582.	1.1	8
10	Szegő's theorem for matrix orthogonal polynomials. <i>Journal of Approximation Theory</i> , 2012, 164, 1238-1261.	0.8	8
11	On Szegő's theorem for a nonclassical case. <i>Journal of Functional Analysis</i> , 2017, 272, 2487-2503.	1.4	8
12	On the relation between Darboux transformations and polynomial mappings. <i>Journal of Approximation Theory</i> , 2013, 172, 4-22.	0.8	5
13	The Jacobi matrices approach to Nevanlinna-Pick problems. <i>Journal of Approximation Theory</i> , 2011, 163, 117-142.	0.8	4
14	Truncations of a class of pseudo-Hermitian tridiagonal matrices. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 438, 738-758.	1.1	4
15	A note on Wall's modification of the Schur algorithm and linear pencils of Jacobi matrices. <i>Journal of Approximation Theory</i> , 2017, 221, 1-21.	0.8	2
16	Convergence of Diagonal $\text{Pad}\ddot{\circ}$ Approximants for a Class of Definitizable Functions. , 2009, , 97-124.		2
17	Inverse problems for periodic generalized Jacobi matrices. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 384, 444-452.	1.1	1
18	Spectral theory of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll" \rangle \langle \text{mml:mi} \rangle G \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetric tridiagonal matrices related to Stahl's counterexample. <i>Journal of Approximation Theory</i> , 2015, 191, 58-70.	0.8	1

#	ARTICLE	IF	CITATIONS
19	Asymptotics for polynomials orthogonal in an indefinite metric. Journal of Mathematical Analysis and Applications, 2018, 460, 777-793.	1.1	1
20	A theorem of Joseph-Alfred Serret and its relation to perfect quantum state transfer. , 2021, 39, 480-499.		1