

Serguei N Naboko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8906251/publications.pdf>

Version: 2024-02-01

50
papers

920
citations

430874

18
h-index

501196

28
g-index

50
all docs

50
docs citations

50
times ranked

245
citing authors

#	ARTICLE	IF	CITATIONS
1	Moment analysis for localization in random Schrödinger operators. <i>Inventiones Mathematicae</i> , 2006, 163, 343-413.	2.5	104
2	Boundary triplets and M -functions for non-selfadjoint operators, with applications to elliptic PDEs and block operator matrices. <i>Journal of the London Mathematical Society</i> , 2008, 77, 700-718.	1.0	57
3	The critical temperature for the BCS equation at weak coupling. <i>Journal of Geometric Analysis</i> , 2007, 17, 559-567.	1.0	54
4	Rayleigh estimates for differential operators on graphs. <i>Journal of Spectral Theory</i> , 2014, 4, 211-219.	0.8	41
5	Spectral gap for quantum graphs and their edge connectivity. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 275309.	2.1	36
6	Dense point spectra of Schrödinger and Dirac operators. <i>Theoretical and Mathematical Physics (Russian)</i> 199, 35.	0.9	35
7	Spectral Analysis of Selfadjoint Jacobi Matrices with Periodically Modulated Entries. <i>Journal of Functional Analysis</i> , 2002, 191, 318-342.	1.4	35
8	Conditions for similarity to unitary and self-adjoint operators. <i>Functional Analysis and Its Applications</i> , 1984, 18, 13-22.	0.4	34
9	Semiclassical approach to Regge poles trajectories calculations for nonsingular potentials: Thomas-Fermi type. <i>Journal of Physics A</i> , 2004, 37, 6943-6954.	1.6	32
10	Essential spectrum of a system of singular differential operators and the asymptotic Hainst operator. <i>Proceedings of the American Mathematical Society</i> , 2001, 130, 1699-1710.	0.8	31
11	Absolutely Continuous Spectrum of Schrödinger Operators with Slowly Decaying and Oscillating Potentials. <i>Communications in Mathematical Physics</i> , 2005, 253, 611-631.	2.2	31
12	The Abstract Titchmarsh-Weyl M -function for Adjoint Operator Pairs and its Relation to the Spectrum. <i>Integral Equations and Operator Theory</i> , 2009, 63, 297-320.	0.8	28
13	On Regge pole trajectories for a rational function approximation of Thomas-Fermi potentials. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 365301.	2.1	24
14	Uniqueness theorems for operator-valued functions with positive imaginary part, and the singular spectrum in the selfadjoint Friedrichs model. <i>Arkiv for Matematik</i> , 1987, 25, 115-140.	0.5	22
15	Infinite Jacobi Matrices with Unbounded Entries: Asymptotics of Eigenvalues and the Transformation Operator Approach. <i>SIAM Journal on Mathematical Analysis</i> , 2004, 36, 643-658.	1.9	22
16	Spectral theory for a class of periodically perturbed unbounded Jacobi matrices: elementary methods. <i>Journal of Computational and Applied Mathematics</i> , 2004, 171, 265-276.	2.0	21
17	ON THE ABSOLUTELY CONTINUOUS SPECTRUM IN A MODEL OF AN IRREVERSIBLE QUANTUM GRAPH. <i>Proceedings of the London Mathematical Society</i> , 2006, 92, 251-272.	1.3	21
18	Localization near fluctuation boundaries via fractional moments and applications. <i>Journal D'Analyse Mathématique</i> , 2006, 100, 83-116.	0.8	21

#	ARTICLE	IF	CITATIONS
19	Generalized Polar Decompositions for Closed Operators in Hilbert Spaces and Some Applications. Integral Equations and Operator Theory, 2009, 64, 83-113.	0.8	21
20	The Spectral Shift Operator. , 1999, , 59-90.		19
21	Wigner's von Neumann perturbations of a periodic potential: spectral singularities in bands. Mathematical Proceedings of the Cambridge Philosophical Society, 2007, 142, 161-183.	0.4	18
22	Spectral analysis of a class of hermitian Jacobi matrices in a critical (double root) hyperbolic case. Proceedings of the Edinburgh Mathematical Society, 2010, 53, 239-254.	0.3	15
23	Zeroes of the spectral density of the periodic Schrödinger operator with Wigner's von Neumann potential. Mathematical Proceedings of the Cambridge Philosophical Society, 2012, 153, 33-58.	0.4	15
24	Title is missing!. Mathematical Physics Analysis and Geometry, 2002, 5, 243-286.	1.0	14
25	The Inverse Resonance Problem for Jacobi Operators. Bulletin of the London Mathematical Society, 2005, 37, 727-737.	0.8	14
26	Unbounded Jacobi matrices at critical coupling. Journal of Approximation Theory, 2007, 145, 221-236.	0.8	13
27	Discrete spectrum in a critical coupling case of Jacobi matrices with spectral phase transitions by uniform asymptotic analysis. Journal of Approximation Theory, 2009, 161, 314-336.	0.8	12
28	Point spectrum on a continuous spectrum for weakly perturbed Stark type operators. Functional Analysis and Its Applications, 1996, 29, 248-257.	0.4	11
29	On the point spectrum of discrete Schrödinger operator. Functional Analysis and Its Applications, 1992, 26, 145-147.	0.4	10
30	Eigenvalue asymptotics of a modified Jaynes-Cummings model with periodic modulations. Comptes Rendus Mathématique, 2004, 338, 103-107.	0.3	10
31	A Szegő condition for a multidimensional Schrödinger operator. Journal of Functional Analysis, 2005, 219, 285-305.	1.4	9
32	Nonself-adjoint operators with almost Hermitian spectrum: Matrix model. I. Journal of Computational and Applied Mathematics, 2006, 194, 115-130.	2.0	9
33	Unbounded Jacobi Matrices with a Few Gaps in the Essential Spectrum: Constructive Examples. Integral Equations and Operator Theory, 2011, 69, 151-170.	0.8	9
34	Simplicity of eigenvalues in Anderson-type models. Arkiv for Matematik, 2013, 51, 157-183.	0.5	9
35	On the inverse resonance problem for Jacobi operators' uniqueness and stability. Journal D'Analyse Mathématique, 2012, 117, 221-247.	0.8	8
36	The Inverse Resonance Problem for Hermite Operators. Constructive Approximation, 2009, 30, 155-174.	3.0	7

#	ARTICLE	IF	CITATIONS
37	Eigenvalues for Perturbed Periodic Jacobi Matrices by the Wigner-von Neumann Approach. <i>Integral Equations and Operator Theory</i> , 2016, 85, 427-450.	0.8	7
38	Spectral results for perturbed periodic Jacobi matrices using the discrete Levinson technique. <i>Studia Mathematica</i> , 2018, 242, 179-215.	0.7	7
39	THE FINITE SECTION METHOD FOR DISSIPATIVE OPERATORS. <i>Mathematika</i> , 2014, 60, 415-443.	0.5	6
40	Nonself-Adjoint Operators with Almost Hermitian Spectrum: Weak Annihilators. <i>Functional Analysis and Its Applications</i> , 2004, 38, 192-201.	0.4	4
41	Nonself-adjoint operators with almost Hermitian spectrum: Cayley identity and some questions of spectral structure. <i>Arkiv for Matematik</i> , 2009, 47, 91-125.	0.5	4
42	The Proper Dissipative Extensions of a Dual Pair. <i>Integral Equations and Operator Theory</i> , 2016, 85, 573-599.	0.8	4
43	Donoghue-type m -functions for Schrödinger operators with operator-valued potentials. <i>Journal D'Analyse Mathématique</i> , 2019, 137, 373-427.	0.8	4
44	ESTIMATES OF GENERALIZED EIGENVECTORS OF HERMITIAN JACOBI MATRICES WITH A GAP IN THE ESSENTIAL SPECTRUM. <i>Mathematika</i> , 2013, 59, 191-212.	0.5	3
45	Elementary models of unbounded Jacobi matrices with a few bounded gaps in the essential spectrum. <i>Operators and Matrices</i> , 2012, , 543-565.	0.3	3
46	Decay Bounds on Eigenfunctions and the Singular Spectrum of Unbounded Jacobi Matrices. <i>International Mathematics Research Notices</i> , 0, , .	1.0	2
47	Green Matrix Estimates of Block Jacobi Matrices I: Unbounded Gap in the Essential Spectrum. <i>Integral Equations and Operator Theory</i> , 2018, 90, 1.	0.8	2
48	On a problem in eigenvalue perturbation theory. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 428, 295-305.	1.0	1
49	Green Matrix Estimates of Block Jacobi Matrices II: Bounded Gap in the Essential Spectrum. <i>Integral Equations and Operator Theory</i> , 2020, 92, 1.	0.8	1
50	Determinant of the characteristic function of a non-self-adjoint operator. <i>Functional Analysis and Its Applications</i> , 1986, 19, 317-318.	0.4	0