

Leonid Parnovski

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citations

840776

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752698

20
g-index

24
all docs

24
docs citations

24
times ranked

131
citing authors

#	ARTICLE	IF	CITATIONS
1	On the principal eigenvalue of a Robin problem with a large parameter. <i>Mathematische Nachrichten</i> , 2008, 281, 272-281.	0.8	65
2	Bethe–Sommerfeld Conjecture. <i>Annales Henri Poincare</i> , 2008, 9, 457-508.	1.7	52
3	Commutators, Spectral Trace Identities, and Universal Estimates for Eigenvalues. <i>Journal of Functional Analysis</i> , 2002, 192, 425-445.	1.4	45
4	Bethe-Sommerfeld conjecture for periodic operators with strong perturbations. <i>Inventiones Mathematicae</i> , 2010, 181, 467-540.	2.5	36
5	On the Bethe-Sommerfeld conjecture for the polyharmonic operator. <i>Duke Mathematical Journal</i> , 2001, 107, .	1.5	30
6	Asymptotic eigenvalue estimates for a Robin problem with a large parameter. <i>Portugaliae Mathematica</i> , 2014, 71, 141-156.	0.4	27
7	The Steklov spectrum of surfaces: asymptotics and invariants. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2014, 157, 379-389.	0.4	21
8	Existence of Eigenvalues of a Linear Operator Pencil in a Curved Waveguide—Localized Shelf Waves on a Curved Coast. <i>SIAM Journal on Mathematical Analysis</i> , 2006, 37, 1465-1481.	1.9	17
9	Complete asymptotic expansion of the integrated density of states of multidimensional almost-periodic Schrödinger operators. <i>Annals of Mathematics</i> , 2012, 176, 1039-1096.	4.2	17
10	Asymptotic expansion of the integrated density of states of a two-dimensional periodic Schrödinger operator. <i>Inventiones Mathematicae</i> , 2009, 176, 275-323.	2.5	15
11	Lattice Points, Perturbation Theory and the Periodic Polyharmonic Operator. <i>Annales Henri Poincare</i> , 2001, 2, 573-581.	1.7	14
12	Complete asymptotic expansion of the spectral function of multidimensional almost-periodic Schrödinger operators. <i>Duke Mathematical Journal</i> , 2016, 165, .	1.5	7
13	Fourier transform, null variety, and Laplacian's eigenvalues. <i>Journal of Functional Analysis</i> , 2009, 257, 2088-2123.	1.4	6
14	Complete Asymptotic Expansion of the Integrated Density of States of Multidimensional Almost-Periodic Pseudo-Differential Operators. <i>Annales Henri Poincare</i> , 2014, 15, 263-312.	1.7	6
15	Perturbation theory for spectral gap edges of 2D periodic Schrödinger operators. <i>Journal of Functional Analysis</i> , 2017, 273, 444-470.	1.4	6
16	Sloshing, Steklov and corners: Asymptotics of sloshing eigenvalues. <i>Journal D'Analyse Mathématique</i> , 2022, 146, 65-125.	0.8	4
17	A generalised Gauss circle problem and integrated density of states. <i>Journal of Spectral Theory</i> , 2016, 6, 859-879.	0.8	3
18	Ballistic transport for Schrödinger operators with quasi-periodic potentials. <i>Journal of Mathematical Physics</i> , 2021, 62, .	1.1	3

#	ARTICLE	IF	CITATIONS
19	Perturbative diagonalization for Maryland-type quasiperiodic operators with flat pieces. Journal of Mathematical Physics, 2021, 62, 063509.	1.1	3
20	Perturbation Theory for Almost-Periodic Potentials I: One-Dimensional Case. Communications in Mathematical Physics, 2019, 366, 1229-1257.	2.2	2
21	Inverse Steklov Spectral Problem for Curvilinear Polygons. International Mathematics Research Notices, 2020, 2021, 1-37.	1.0	2
22	Sloshing, Steklov and corners: Asymptotics of Steklov eigenvalues for curvilinear polygons. Proceedings of the London Mathematical Society, 2022, 125, 359-487.	1.3	2
23	Trapped modes in a waveguide with a thick obstacle. Mathematika, 2004, 51, 171-186.	0.5	1
24	Trace identities and universal estimates for eigenvalues of linear pencils. , 2002, , .		0