

Daniel Lenz

List of Publications by Year in descending order

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76
papers

1,486
citations

361413

20
h-index

377865

34
g-index

77
all docs

77
docs citations

77
times ranked

288
citing authors

#	ARTICLE	IF	CITATIONS
1	Subshifts with leading sequences, uniformity of cocycles and spectra of Schreier graphs. <i>Advances in Mathematics</i> , 2022, 407, 108550.	1.1	0
2	Uniqueness of form extensions and domination of semigroups. <i>Journal of Functional Analysis</i> , 2021, 280, 108848.	1.4	4
3	An autocorrelation and a discrete spectrum for dynamical systems on metric spaces. <i>Ergodic Theory and Dynamical Systems</i> , 2021, 41, 906-922.	0.6	3
4	Self-adjoint extensions of bipartite Hamiltonians. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2021, 64, 433-447.	0.3	1
5	Domination of quadratic forms. <i>Mathematische Zeitschrift</i> , 2020, 296, 761-786.	0.9	5
6	Curvature Calculations for Antitrees. , 2020, , 21-54.		3
7	Critical Hardy Inequalities on Manifolds and Graphs. , 2020, , 172-202.		0
8	On the Existence and Uniqueness of Self-Adjoint Realizations of Discrete (Magnetic) Schrödinger Operators. , 2020, , 250-327.		2
9	Uniform Existence of the IDS on Lattices and Groups. , 2020, , 445-478.		0
10	Modulated crystals and almost periodic measures. <i>Letters in Mathematical Physics</i> , 2020, 110, 3435-3472.	1.1	5
11	On weakly almost periodic measures. <i>Transactions of the American Mathematical Society</i> , 2019, 371, 6843-6881.	0.9	18
12	Boundary representation of Dirichlet forms on discrete spaces. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2019, 126, 109-143.	1.6	2
13	Spectra of Schreier graphs of Grigorchuk's group and Schroedinger operators with aperiodic order. <i>Mathematische Annalen</i> , 2018, 370, 1607-1637.	1.4	14
14	Global properties of Dirichlet forms in terms of Green's formula. <i>Calculus of Variations and Partial Differential Equations</i> , 2017, 56, 1.	1.7	14
15	On the spectrum of operator families on discrete groups over minimal dynamical systems. <i>Mathematische Zeitschrift</i> , 2017, 287, 993-1007.	0.9	5
16	Diffusion on Delone sets. <i>Journal of Statistical Physics</i> , 2017, 167, 1496-1510.	1.2	0
17	Combinatorics of the subshift associated with Grigorchuk's group. <i>Proceedings of the Steklov Institute of Mathematics</i> , 2017, 297, 138-144.	0.3	0
18	Stationary processes and pure point diffraction. <i>Ergodic Theory and Dynamical Systems</i> , 2017, 37, 2597-2642.	0.6	12

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19	Note on uniformly transient graphs. <i>Revista Matematica Iberoamericana</i> , 2017, 33, 831-860.	0.9	10
20	Spectral notions of aperiodic order. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2017, 10, 161-190.	1.1	16
21	Note on short-time behavior of semigroups associated to self-adjoint operators. <i>Bulletin of the London Mathematical Society</i> , 2016, 48, 935-944.	0.8	3
22	New Relations Between Discrete and Continuous Transition Operators on (Metric) Graphs. <i>Integral Equations and Operator Theory</i> , 2016, 84, 151-181.	0.8	5
23	Note on the Set of Bragg Peaks with High Intensity. <i>Annales Henri Poincare</i> , 2016, 17, 673-687.	1.7	3
24	Dynamical versus diffraction spectrum for structures with finite local complexity. <i>Ergodic Theory and Dynamical Systems</i> , 2015, 35, 2017-2043.	0.6	19
25	Expansion in generalized eigenfunctions for Laplacians on graphs and metric measure spaces. <i>Transactions of the American Mathematical Society</i> , 2015, 368, 4933-4956.	0.9	2
26	Equicontinuous Factors, Proximity and Ellis Semigroup for Delone Sets. <i>Progress in Mathematics</i> , 2015, , 137-194.	0.3	16
27	Graphs of finite measure. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2015, 103, 1093-1131.	1.6	17
28	Diffusion determines the recurrent graph. <i>Advances in Mathematics</i> , 2015, 269, 364-398.	1.1	7
29	Unbounded quantum graphs with unbounded boundary conditions. <i>Mathematische Nachrichten</i> , 2014, 287, 962-979.	0.8	10
30	Zero measure Cantor spectra for continuum one-dimensional quasicrystals. <i>Journal of Differential Equations</i> , 2014, 256, 1905-1926.	2.2	11
31	Intrinsic metrics for non-local symmetric Dirichlet forms and applications to spectral theory. <i>Journal of Functional Analysis</i> , 2014, 266, 4765-4808.	1.4	52
32	Volume growth, spectrum and stochastic completeness of infinite graphs. <i>Mathematische Zeitschrift</i> , 2013, 274, 905-932.	0.9	41
33	Delone Sets with Finite Local Complexity: Linear Repetitivity Versus Positivity of Weights. <i>Discrete and Computational Geometry</i> , 2013, 49, 335-347.	0.6	19
34	On the spectral theory of trees with finite cone type. <i>Israel Journal of Mathematics</i> , 2013, 194, 107-135.	0.8	16
35	Equicontinuous Delone Dynamical Systems. <i>Canadian Journal of Mathematics</i> , 2013, 65, 149-170.	0.6	24
36	Dirichlet forms and stochastic completeness of graphs and subgraphs. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2012, 2012, .	0.9	43

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37	Absolutely continuous spectrum for random operators on trees of finite cone type. <i>Journal D'Analyse Mathematique</i> , 2012, 118, 363-396.	0.8	22
38	Laplacians on infinite graphs: Dirichlet and Neumann boundary conditions. <i>Journal of Spectral Theory</i> , 2012, 2, 397-432.	0.8	70
39	A Banach space-valued ergodic theorem and the uniform approximation of the integrated density of states. <i>Geometriae Dedicata</i> , 2011, 150, 1-34.	0.3	13
40	An uncertainty principle, Wegner estimates and localization near fluctuation boundaries. <i>Mathematische Zeitschrift</i> , 2011, 269, 663-670.	0.9	12
41	Note on powers in three interval exchange transformations. <i>Theoretical Computer Science</i> , 2011, 412, 3788-3794.	0.9	0
42	Delone measures of finite local complexity and applications to spectral theory of one-dimensional continuum models of quasicrystals. <i>Discrete and Continuous Dynamical Systems</i> , 2011, 29, 1553-1571.	0.9	10
43	Compactness of Schrödinger semigroups. <i>Mathematische Nachrichten</i> , 2010, 283, 94-103.	0.8	9
44	Continuity of the Integrated Density of States on Random Length Metric Graphs. <i>Mathematical Physics Analysis and Geometry</i> , 2009, 12, 219-254.	1.0	12
45	Schroedinger's theorem for strongly local forms. <i>Israel Journal of Mathematics</i> , 2009, 173, 189-211.	0.8	22
46	Hamiltonians on discrete structures: jumps of the integrated density of states and uniform convergence. <i>Mathematische Zeitschrift</i> , 2009, 263, 813-835.	0.9	17
47	Continuity of Eigenfunctions of Uniquely Ergodic Dynamical Systems and Intensity of Bragg Peaks. <i>Communications in Mathematical Physics</i> , 2009, 287, 225-258.	2.2	62
48	Extinctions and Correlations for Uniformly Discrete Point Processes with Pure Point Dynamical Spectra. <i>Communications in Mathematical Physics</i> , 2009, 289, 907-923.	2.2	14
49	Pure point spectrum for measure dynamical systems on locally compact Abelian groups. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2009, 92, 323-341.	1.6	41
50	Uniform existence of the integrated density of states for models on \mathbb{Z}^d . <i>Positivity</i> , 2008, 12, 571-589.	0.7	18
51	Eigenfunction Expansions for Schrödinger Operators on Metric Graphs. <i>Integral Equations and Operator Theory</i> , 2008, 62, 541-553.	0.8	10
52	Continuity properties of the integrated density of states on manifolds. <i>Japanese Journal of Mathematics</i> , 2008, 3, 121-161.	2.1	10
53	Characterization of model sets by dynamical systems. <i>Ergodic Theory and Dynamical Systems</i> , 2007, 27, 341.	0.6	73
54	Pure point diffraction and cut and project schemes for measures: the smooth case. <i>Mathematische Zeitschrift</i> , 2007, 256, 347-378.	0.9	42

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55	Groupoids, von Neumann Algebras and the Integrated Density of States. <i>Mathematical Physics Analysis and Geometry</i> , 2007, 10, 1-41.	1.0	19
56	Generic sets in spaces of measures and generic singular continuous spectrum for Delone Hamiltonians. <i>Duke Mathematical Journal</i> , 2006, 131, 203.	1.5	20
57	Substitution dynamical systems: Characterization of linear repetitivity and applications. <i>Journal of Mathematical Analysis and Applications</i> , 2006, 321, 766-780.	1.0	45
58	Deformation of Delone Dynamical Systems and Pure Point Diffraction. <i>Journal of Fourier Analysis and Applications</i> , 2005, 11, 125-150.	1.0	31
59	An ergodic theorem for Delone dynamical systems and existence of the integrated density of states. <i>Journal D'Analyse Mathématique</i> , 2005, 97, 1-24.	0.8	40
60	Elliptic operators on planar graphs: Unique continuation for eigenfunctions and nonpositive curvature. <i>Proceedings of the American Mathematical Society</i> , 2005, 134, 1549-1559.	0.8	11
61	Dynamical systems on translation bounded measures: pure point dynamical and diffraction spectra. <i>Ergodic Theory and Dynamical Systems</i> , 2004, 24, 1867-1893.	0.6	125
62	Integrated density of states for random metrics on manifolds. <i>Proceedings of the London Mathematical Society</i> , 2004, 88, 733-752.	1.3	15
63	Aperiodic Linearly Repetitive Delone Sets Are Densely Repetitive. <i>Discrete and Computational Geometry</i> , 2004, 31, 323-326.	0.6	8
64	Algebras of Random Operators Associated to Delone Dynamical Systems. <i>Mathematical Physics Analysis and Geometry</i> , 2003, 6, 269-290.	1.0	11
65	Uniform spectral properties of one-dimensional quasicrystals, iv. quasi-sturmian potentials. <i>Journal D'Analyse Mathématique</i> , 2003, 90, 115-139.	0.8	14
66	Discontinuities of the Integrated Density of States for Random Operators on Delone Sets. <i>Communications in Mathematical Physics</i> , 2003, 241, 235-243.	2.2	22
67	Powers in Sturmian sequences. <i>European Journal of Combinatorics</i> , 2003, 24, 377-390.	0.8	23
68	Uniform ergodic theorems on subshifts over a finite alphabet. <i>Ergodic Theory and Dynamical Systems</i> , 2002, 22, .	0.6	36
69	The Index of Sturmian Sequences. <i>European Journal of Combinatorics</i> , 2002, 23, 23-29.	0.8	43
70	Singular Spectrum of Lebesgue Measure Zero for One-Dimensional Quasicrystals. <i>Communications in Mathematical Physics</i> , 2002, 227, 119-130.	2.2	52
71	Quasicrystals, aperiodic order, and groupoid von Neumann algebras. <i>Comptes Rendus Mathématique</i> , 2002, 334, 1131-1136.	0.3	7
72	Uniform Spectral Properties of One-Dimensional Quasicrystals, I. Absence of Eigenvalues. <i>Communications in Mathematical Physics</i> , 1999, 207, 687-696.	2.2	70

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73	Schreier Graphs of Grigorchuk's Group and a Subshift Associated to a Nonprimitive Substitution. , 0, , 250-299.		5
74	Averaging Almost Periodic Functions along Exponential Sequences. , 0, , 343-362.		8
75	The structure of mean equicontinuous group actions. Israel Journal of Mathematics, 0, , 1.	0.8	15
76	Absence of absolutely continuous spectrum for generic quasi-periodic Schrödinger operators on the real line. Israel Journal of Mathematics, 0, , 1.	0.8	0