

# 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	Dynamical systems on translation bounded measures: pure point dynamical and diffraction spectra. Ergodic Theory and Dynamical Systems, 2004, 24, 1867-1893.	0.6	125
2	Characterization of model sets by dynamical systems. Ergodic Theory and Dynamical Systems, 2007, 27, 341.	0.6	73
3	Uniform Spectral Properties of One-Dimensional Quasicrystals, I. Absence of Eigenvalues. Communications in Mathematical Physics, 1999, 207, 687-696.	2.2	70
4	Laplacians on infinite graphs: Dirichlet and Neumann boundary conditions. Journal of Spectral Theory, 2012, 2, 397-432.	0.8	70
5	Continuity of Eigenfunctions of Uniquely Ergodic Dynamical Systems and Intensity of Bragg Peaks. Communications in Mathematical Physics, 2009, 287, 225-258.	2.2	62
6	Singular Spectrum of Lebesgue Measure Zero for One-Dimensional Quasicrystals. Communications in Mathematical Physics, 2002, 227, 119-130.	2.2	52
7	Intrinsic metrics for non-local symmetric Dirichlet forms and applications to spectral theory. Journal of Functional Analysis, 2014, 266, 4765-4808.	1.4	52
8	Substitution dynamical systems: Characterization of linear repetitivity and applications. Journal of Mathematical Analysis and Applications, 2006, 321, 766-780.	1.0	45
9	The Index of Sturmian Sequences. European Journal of Combinatorics, 2002, 23, 23-29.	0.8	43
10	Dirichlet forms and stochastic completeness of graphs and subgraphs. Journal Fur Die Reine Und Angewandte Mathematik, 2012, 2012, .	0.9	43
11	Pure point diffraction and cut and project schemes for measures: the smooth case. Mathematische Zeitschrift, 2007, 256, 347-378.	0.9	42
12	Pure point spectrum for measure dynamical systems on locally compact Abelian groups. Journal Des Mathematiques Pures Et Appliquees, 2009, 92, 323-341.	1.6	41
13	Volume growth, spectrum and stochastic completeness of infinite graphs. Mathematische Zeitschrift, 2013, 274, 905-932.	0.9	41
14	An ergodic theorem for Delone dynamical systems and existence of the integrated density of states. Journal D'Analyse Mathematique, 2005, 97, 1-24.	0.8	40
15	Uniform ergodic theorems on subshifts over a finite alphabet. Ergodic Theory and Dynamical Systems, 2002, 22, .	0.6	36
16	Deformation of Delone Dynamical Systems and Pure Point Diffraction. Journal of Fourier Analysis and Applications, 2005, 11, 125-150.	1.0	31
17	Equicontinuous Delone Dynamical Systems. Canadian Journal of Mathematics, 2013, 65, 149-170.	0.6	24
18	Powers in Sturmian sequences. European Journal of Combinatorics, 2003, 24, 377-390.	0.8	23

#	ARTICLE	IF	CITATIONS
19	Discontinuities of the Integrated Density of States for Random Operators on Delone Sets. Communications in Mathematical Physics, 2003, 241, 235-243.	2.2	22
20	Sch�nol�s theorem for strongly local forms. Israel Journal of Mathematics, 2009, 173, 189-211.	0.8	22
21	Absolutely continuous spectrum for random operators on trees of finite cone type. Journal D'Analyse Mathematique, 2012, 118, 363-396.	0.8	22
22	Generic sets in spaces of measures and generic singular continuous spectrum for Delone Hamiltonians. Duke Mathematical Journal, 2006, 131, 203.	1.5	20
23	Groupoids, von Neumann Algebras and the Integrated Density of States. Mathematical Physics Analysis and Geometry, 2007, 10, 1-41.	1.0	19
24	Delone Sets with Finite Local Complexity: Linear Repetitivity Versus Positivity of Weights. Discrete and Computational Geometry, 2013, 49, 335-347.	0.6	19
25	Dynamical versus diffraction spectrum for structures with finite local complexity. Ergodic Theory and Dynamical Systems, 2015, 35, 2017-2043.	0.6	19
26	Uniform existence of the integrated density of states for models on $\mathbb{Z}^d$ . Positivity, 2008, 12, 571-589.	0.7	18
27	On weakly almost periodic measures. Transactions of the American Mathematical Society, 2019, 371, 6843-6881.	0.9	18
28	Hamiltonians on discrete structures: jumps of the integrated density of states and uniform convergence. Mathematische Zeitschrift, 2009, 263, 813-835.	0.9	17
29	Graphs of finite measure. Journal Des Mathematiques Pures Et Appliquees, 2015, 103, 1093-1131.	1.6	17
30	On the spectral theory of trees with finite cone type. Israel Journal of Mathematics, 2013, 194, 107-135.	0.8	16
31	Equicontinuous Factors, Proximality and Ellis Semigroup for Delone Sets. Progress in Mathematics, 2015, , 137-194.	0.3	16
32	Spectral notions of aperiodic order. Discrete and Continuous Dynamical Systems - Series S, 2017, 10, 161-190.	1.1	16
33	Integrated density of states for random metrics on manifolds. Proceedings of the London Mathematical Society, 2004, 88, 733-752.	1.3	15
34	The structure of mean equicontinuous group actions. Israel Journal of Mathematics, 0, , 1.	0.8	15
35	Uniform spectral properties of one-dimensional quasicrystals, iv. quasi-sturmian potentials. Journal D'Analyse Mathematique, 2003, 90, 115-139.	0.8	14
36	Extinctions and Correlations for Uniformly Discrete Point Processes with Pure Point Dynamical Spectra. Communications in Mathematical Physics, 2009, 289, 907-923.	2.2	14

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37	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
38	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
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	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
41	An uncertainty principle, Wegner estimates and localization near fluctuation boundaries. <i>Mathematische Zeitschrift</i> , 2011, 269, 663-670.	0.9	12
42	Stationary processes and pure point diffraction. <i>Ergodic Theory and Dynamical Systems</i> , 2017, 37, 2597-2642.	0.6	12
43	Algebras of Random Operators Associated to Delone Dynamical Systems. <i>Mathematical Physics Analysis and Geometry</i> , 2003, 6, 269-290.	1.0	11
44	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
45	Zero measure Cantor spectra for continuum one-dimensional quasicrystals. <i>Journal of Differential Equations</i> , 2014, 256, 1905-1926.	2.2	11
46	Eigenfunction Expansions for Schrödinger Operators on Metric Graphs. <i>Integral Equations and Operator Theory</i> , 2008, 62, 541-553.	0.8	10
47	Continuity properties of the integrated density of states on manifolds. <i>Japanese Journal of Mathematics</i> , 2008, 3, 121-161.	2.1	10
48	Unbounded quantum graphs with unbounded boundary conditions. <i>Mathematische Nachrichten</i> , 2014, 287, 962-979.	0.8	10
49	Note on uniformly transient graphs. <i>Revista Matemática Iberoamericana</i> , 2017, 33, 831-860.	0.9	10
50	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
51	Compactness of Schrödinger semigroups. <i>Mathematische Nachrichten</i> , 2010, 283, 94-103.	0.8	9
52	Aperiodic Linearly Repetitive Delone Sets Are Densely Repetitive. <i>Discrete and Computational Geometry</i> , 2004, 31, 323-326.	0.6	8
53	Averaging Almost Periodic Functions along Exponential Sequences. , 0 , 343-362.		8
54	Quasicrystals, aperiodic order, and groupoid von Neumann algebras. <i>Comptes Rendus Mathématique</i> , 2002, 334, 1131-1136.	0.3	7

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55	Diffusion determines the recurrent graph. <i>Advances in Mathematics</i> , 2015, 269, 364-398.	1.1	7
56	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
57	Schreier Graphs of Grigorchuk's Group and a Subshift Associated to a Nonprimitive Substitution. , 0, , 250-299.		5
58	On the spectrum of operator families on discrete groups over minimal dynamical systems. <i>Mathematische Zeitschrift</i> , 2017, 287, 993-1007.	0.9	5
59	Domination of quadratic forms. <i>Mathematische Zeitschrift</i> , 2020, 296, 761-786.	0.9	5
60	Modulated crystals and almost periodic measures. <i>Letters in Mathematical Physics</i> , 2020, 110, 3435-3472.	1.1	5
61	Uniqueness of form extensions and domination of semigroups. <i>Journal of Functional Analysis</i> , 2021, 280, 108848.	1.4	4
62	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
63	Note on the Set of Bragg Peaks with High Intensity. <i>Annales Henri Poincare</i> , 2016, 17, 673-687.	1.7	3
64	Curvature Calculations for Antitrees. , 2020, , 21-54.		3
65	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
66	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
67	Boundary representation of Dirichlet forms on discrete spaces. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2019, 126, 109-143.	1.6	2
68	On the Existence and Uniqueness of Self-Adjoint Realizations of Discrete (Magnetic) Schrödinger Operators. , 2020, , 250-327.		2
69	Self-adjoint extensions of bipartite Hamiltonians. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2021, 64, 433-447.	0.3	1
70	Note on powers in three interval exchange transformations. <i>Theoretical Computer Science</i> , 2011, 412, 3788-3794.	0.9	0
71	Diffusion on Delone sets. <i>Journal of Statistical Physics</i> , 2017, 167, 1496-1510.	1.2	0
72	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

#	ARTICLE	IF	CITATIONS
73	Critical Hardy Inequalities on Manifolds and Graphs. , 2020, , 172-202.		0
74	Uniform Existence of the IDS on Lattices and Groups. , 2020, , 445-478.		0
75	Absence of absolutely continuous spectrum for generic quasi-periodic Schrödinger operators on the real line. Israel Journal of Mathematics, 0, , 1.	0.8	0
76	Subshifts with leading sequences, uniformity of cocycles and spectra of Schreier graphs. Advances in Mathematics, 2022, 407, 108550.	1.1	0