

Hannu Tuomas Orponen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5784395/publications.pdf>

Version: 2024-02-01

40
papers

255
citations

933447

10
h-index

996975

15
g-index

40
all docs

40
docs citations

40
times ranked

60
citing authors

#	ARTICLE	IF	CITATIONS
1	On the distance sets of self-similar sets. <i>Nonlinearity</i> , 2012, 25, 1919-1929.	1.4	29
2	Weak and strong type estimates for maximal truncations of Calderón-Zygmund operators on A_p weighted spaces. <i>Journal D'Analyse Mathématique</i> , 2012, 118, 177-220.	0.8	21
3	On restricted families of projections in \mathbb{R}^3 . <i>Proceedings of the London Mathematical Society</i> , 2014, 109, 353-381.	1.3	21
4	On the distance sets of Ahlfors-regular David regular sets. <i>Advances in Mathematics</i> , 2017, 307, 1029-1045.	1.1	20
5	The Assouad dimensions of projections of planar sets. <i>Proceedings of the London Mathematical Society</i> , 2017, 114, 374-398.	1.3	15
6	Semmes surfaces and intrinsic Lipschitz graphs in the Heisenberg group. <i>Transactions of the American Mathematical Society</i> , 2020, 373, 5957-5996.	0.9	15
7	Slicing Sets and Measures, and the Dimension of Exceptional Parameters. <i>Journal of Geometric Analysis</i> , 2014, 24, 47-80.	1.0	13
8	Intrinsic Lipschitz Graphs and Vertical \hat{I}^2 -Numbers in the Heisenberg Group. <i>American Journal of Mathematics</i> , 2019, 141, 1087-1147.	1.1	12
9	On the packing dimension and category of exceptional sets of orthogonal projections. <i>Annali Di Matematica Pura Ed Applicata</i> , 2015, 194, 843-880.	1.0	11
10	Hausdorff dimension, intersections of projections and exceptional plane sections. <i>Proceedings of the American Mathematical Society</i> , 2016, 144, 3419-3430.	0.8	11
11	On the dimension and smoothness of radial projections. <i>Analysis and PDE</i> , 2019, 12, 1273-1294.	1.4	11
12	On Fourier Analytic Properties of Graphs. <i>International Mathematics Research Notices</i> , 2014, 2014, 2730-2745.	1.0	10
13	A sharp exceptional set estimate for visibility. <i>Bulletin of the London Mathematical Society</i> , 2018, 50, 1-6.	0.8	9
14	On the Assouad dimension of projections. <i>Proceedings of the London Mathematical Society</i> , 2021, 122, 317-351.	1.3	8
15	Hausdorff dimension estimates for restricted families of projections in \mathbb{R}^3 . <i>Advances in Mathematics</i> , 2015, 275, 147-183.	1.1	6
16	Improved Bounds for Restricted Families of Projections to Planes in \mathbb{R}^3 . <i>International Mathematics Research Notices</i> , 2020, 2020, 5797-5813.	1.0	6
17	Constancy results for special families of projections. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2013, 154, 549-568.	0.4	5
18	Radial projections of rectifiable sets. <i>Annales Academiae Scientiarum Fennicae Mathematica</i> , 2011, 36, 677-681.	0.7	4

#	ARTICLE	IF	CITATIONS
19	An improved bound on the packing dimension of Furstenberg sets in the plane. <i>Journal of the European Mathematical Society</i> , 2019, 22, 797-831.	1.4	4
20	Some obstacles in characterising the boundedness of bi-parameter singular integrals. <i>Mathematische Zeitschrift</i> , 2016, 282, 535-545.	0.9	3
21	Singular integrals on regular curves in the Heisenberg group. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2021, 153, 30-113.	1.6	3
22	Integrability of orthogonal projections, and applications to Furstenberg sets. <i>Advances in Mathematics</i> , 2022, 407, 108567.	1.1	3
23	Tangent measures of non-doubling measures. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2012, 152, 555-569.	0.4	2
24	Projections of planar sets in well-separated directions. <i>Advances in Mathematics</i> , 2016, 297, 1-25.	1.1	2
25	On the conformal dimension of product measures. <i>Proceedings of the London Mathematical Society</i> , 2018, 117, 277-302.	1.3	2
26	Combinatorial proofs of two theorems of Lutz and Stull. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2021, 171, 503-514.	0.4	2
27	On the packing measure of self-similar sets. <i>Nonlinearity</i> , 2013, 26, 2929-2934.	1.4	1
28	On the Tube Occupancy of Sets in \mathbb{R}^d . <i>International Mathematics Research Notices</i> , 2015, 2015, 9815-9831.	1.0	1
29	Characterising the big pieces of Lipschitz graphs property using projections. <i>Journal of the European Mathematical Society</i> , 2018, 20, 1055-1073.	1.4	1
30	Metric Rectifiability of \mathbb{R}^n -regular Surfaces with Hölder Continuous Horizontal Normal. <i>International Mathematics Research Notices</i> , 0, , .	1.0	1
31	Dorronsoro's theorem in Heisenberg groups. <i>Bulletin of the London Mathematical Society</i> , 2020, 52, 472-488.	0.8	1
32	Sub-elliptic boundary value problems in flag domains. <i>Advances in Calculus of Variations</i> , 2023, 16, 975-1059.	1.2	1
33	On a Continuous \mathbb{R}^n -Type Problem. <i>International Mathematics Research Notices</i> , 2023, 2023, 11291-11315.	1.0	1
34	On Ahlfors-regular weighted bounds for the extension operator associated to the circle. <i>Bulletin of the London Mathematical Society</i> , 2015, 47, 575-584.	0.8	0
35	Quasisymmetric Maps on Kakeya Sets. <i>International Mathematics Research Notices</i> , 0, , rrw131.	1.0	0
36	Metric currents and the Poincaré inequality. <i>Calculus of Variations and Partial Differential Equations</i> , 2019, 58, 1.	1.7	0

#	ARTICLE	IF	CITATIONS
37	Vertical versus horizontal Sobolev spaces. <i>Journal of Functional Analysis</i> , 2020, 279, 108517.	1.4	0
38	Quantitative absolute continuity of planar measures with two independent Alberti representations. <i>Calculus of Variations and Partial Differential Equations</i> , 2020, 59, 1.	1.7	0
39	Plenty of big projections imply big pieces of Lipschitz graphs. <i>Inventiones Mathematicae</i> , 2021, 226, 653-709.	2.5	0
40	On arithmetic sums of Ahlfors-regular sets. <i>Geometric and Functional Analysis</i> , 2022, 32, 81.	1.8	0