Hannu Tuomas Orponen

List of Publications by Year
in descending order

40	255	933447 10	996975 15
papers	citations	h-index	g-index

40	40	40	60
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sub-elliptic boundary value problems in flag domains. Advances in Calculus of Variations, 2023, 16, 975-1059.	1.2	1
2	On a Continuous SÃ¡rkÃ¶zy-Type Problem. International Mathematics Research Notices, 2023, 2023, 11291-11315.	1.0	1
3	On arithmetic sums of Ahlfors-regular sets. Geometric and Functional Analysis, 2022, 32, 81.	1.8	0
4	Integrability of orthogonal projections, and applications to Furstenberg sets. Advances in Mathematics, 2022, 407, 108567.	1.1	3
5	On the Assouad dimension of projections. Proceedings of the London Mathematical Society, 2021, 122, 317-351.	1.3	8
6	Combinatorial proofs of two theorems of Lutz and Stull. Mathematical Proceedings of the Cambridge Philosophical Society, 2021, 171, 503-514.	0.4	2
7	Plenty of big projections imply big pieces of Lipschitz graphs. Inventiones Mathematicae, 2021, 226, 653-709.	2.5	0
8	Singular integrals on regular curves in the Heisenberg group. Journal Des Mathematiques Pures Et Appliquees, 2021, 153, 30-113.	1.6	3
9	Improved Bounds for Restricted Families of Projections to Planes in â„3. International Mathematics Research Notices, 2020, 2020, 5797-5813.	1.0	6
10	Semmes surfaces and intrinsic Lipschitz graphs in the Heisenberg group. Transactions of the American Mathematical Society, 2020, 373, 5957-5996.	0.9	15
11	Vertical versus horizontal Sobolev spaces. Journal of Functional Analysis, 2020, 279, 108517.	1.4	0
12	Quantitative absolute continuity of planar measures with two independent Alberti representations. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	1.7	0
13	Dorronsoro's theorem in Heisenberg groups. Bulletin of the London Mathematical Society, 2020, 52, 472-488.	0.8	1
14	Intrinsic Lipschitz Graphs and Vertical Î²-Numbers in the Heisenberg Group. American Journal of Mathematics, 2019, 141, 1087-1147.	1.1	12
15	Metric currents and the PoincarÃ© inequality. Calculus of Variations and Partial Differential Equations, 2019, 58, 1.	1.7	0
16	On the dimension and smoothness of radial projections. Analysis and PDE, 2019, 12, 1273-1294.	1.4	11
17	An improved bound on the packing dimension of Furstenberg sets in the plane. Journal of the European Mathematical Society, 2019, 22, 797-831.	1.4	4
18	On the conformal dimension of product measures. Proceedings of the London Mathematical Society, 2018, 117, 277-302.	1.3	2

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19	A sharp exceptional set estimate for visibility. Bulletin of the London Mathematical Society, 2018, 50, 1-6.	0.8	9
20	Characterising the big pieces of Lipschitz graphs property using projections. Journal of the European Mathematical Society, 2018, 20, 1055-1073.	1.4	1
21	On the distance sets of Ahlforsâ€“David regular sets. Advances in Mathematics, 2017, 307, 1029-1045.	1.1	20
22	The Assouad dimensions of projections of planar sets. Proceedings of the London Mathematical Society, 2017, 114, 374-398.	1.3	15
23	Hausdorff dimension, intersections of projections and exceptional plane sections. Proceedings of the American Mathematical Society, 2016, 144, 3419-3430.	0.8	11
24	Projections of planar sets in well-separated directions. Advances in Mathematics, 2016, 297, 1-25.	1.1	2
25	Some obstacles in characterising the boundedness of bi-parameter singular integrals. Mathematische Zeitschrift, 2016, 282, 535-545.	0.9	3
26	On Ahlforsâ€“David regular weighted bounds for the extension operator associated to the circle. Bulletin of the London Mathematical Society, 2015, 47, 575-584.	0.8	0
27	Hausdorff dimension estimates for restricted families of projections in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi mathvariant="double-struck">R</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msup></mml:math>. Advances in Mathematics, 2015, 275, 147-183.	1.1	6
28	On the Tube Occupancy of Sets in â„^d. International Mathematics Research Notices, 2015, 2015, 9815-9831.	1.0	1
29	On the packing dimension and category of exceptional sets of orthogonal projections. Annali Di Matematica Pura Ed Applicata, 2015, 194, 843-880.	1.0	11
30	On restricted families of projections in â„³. Proceedings of the London Mathematical Society, 2014, 109, 353-381.	1.3	21
31	On Fourier Analytic Properties of Graphs. International Mathematics Research Notices, 2014, 2014, 2730-2745.	1.0	10
32	Slicing Sets and Measures, and the Dimension of Exceptional Parameters. Journal of Geometric Analysis, 2014, 24, 47-80.	1.0	13
33	On the packing measure of self-similar sets. Nonlinearity, 2013, 26, 2929-2934.	1.4	1
34	Constancy results for special families of projections. Mathematical Proceedings of the Cambridge Philosophical Society, 2013, 154, 549-568.	0.4	5
35	Tangent measures of non-doubling measures. Mathematical Proceedings of the Cambridge Philosophical Society, 2012, 152, 555-569.	0.4	2
36	On the distance sets of self-similar sets. Nonlinearity, 2012, 25, 1919-1929.	1.4	29

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37	Weak and strong type estimates for maximal truncations of CalderÃ³n-Zygmund operators on A p weighted spaces. Journal D'Analyse Mathematique, 2012, 118, 177-220.	0.8	21
38	Radial projections of rectifiable sets. Annales Academiae Scientiarum Fennicae Mathematica, 2011, 36, 677-681.	0.7	4
39	Quasisymmetric Maps on Kakeya Sets. International Mathematics Research Notices, 0, , rnw131.	1.0	0
40	Metric Rectifiability of â„•regular Surfaces with HÃ¶lder Continuous Horizontal Normal. International Mathematics Research Notices, 0, , .	1.0	1