Tuomas Hytönen

List of Publications by Year
in descending order

42 papers	1,731 citations	361413 20 h-index	330143 37 g-index
43 all docs	43 docs citations	43 times ranked	399 citing authors

#	Article	IF	Citations
1	The sharp weighted bound for general Calderón–Zygmund operators. Annals of Mathematics, 2012, 175, 1473-1506.	4.2	248
2	Sharp weighted bounds involving A_∞. Analysis and PDE, 2013, 6, 777-818.	1.4	181
3	Systems of dyadic cubes in a doubling metric space. Colloquium Mathematicum, 2012, 126, 1-33.	0.3	151
4	Analysis in Banach Spaces. , 2016, , .		148
5	Sharp Reverse Hölder property for A_∞ weights on spaces of homogeneous type. Journal of Functional Analysis, 2012, 263, 3883-3899.	1.4	132
6	Non-homogeneous Tb Theorem and Random Dyadic Cubes on Metric Measure Spaces. Journal of Geometric Analysis, 2012, 22, 1071-1107.	1.0	88
7	Analysis in Banach Spaces. , 2017, , .		85
8	The Hardy space H^1 on non-homogeneous metric spaces. Mathematical Proceedings of the Cambridge Philosophical Society, 2012, 153, 9-31.	0.4	66
9	Orthonormal bases of regular wavelets in spaces of homogeneous type. Applied and Computational Harmonic Analysis, 2013, 34, 266-296.	2.2	57
10	Quantitative weighted estimates for rough homogeneous singular integrals. Israel Journal of Mathematics, 2017, 218, 133-164.	0.8	57
11	Sharp weighted bounds for the q -variation of singular integrals. Bulletin of the London Mathematical Society, 2013, 45, 529-540.	0.8	52
12	Boundedness of Calderón–Zygmund Operators on Non-homogeneous Metric Measure Spaces. Canadian Journal of Mathematics, 2012, 64, 892-923.	0.6	41
13	Kato's square root problem in Banach spaces. Journal of Functional Analysis, 2008, 254, 675-726.	1.4	38
14	The $L \log$ endpoint estimate for maximal singular integral operators. Journal of Mathematical Analysis and Appli	1.0	32
15	Conical square function estimates in UMD Banach spaces and applications to H $_\infty$-functional calculi. Journal D'Analyse Mathematique, 2008, 106, 317-351.	0.8	29
16	Sharp weighted estimates for dyadic shifts and the A_2 conjecture. Journal Fur Die Reine Und Angewandte Mathematik, 2014, 2014, 43-86.	0.9	28
17	The space JN: Nontriviality and duality. Journal of Functional Analysis, 2018, 275, 577-603.	1.4	25
18	Littlewood-Paley-Stein theory for semigroups in UMD spaces. Revista Matematica Iberoamericana, 2007, 23, 973-1009.	0.9	24

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19	Singular convolution integrals with operator-valued kernel. Mathematische Zeitschrift, 2006, 255, 393-425.	0.9	23
20	Weak and strong type estimates for maximal truncations of Calderón-Zygmund operators on A p weighted spaces. Journal D'Analyse Mathematique, 2012, 118, 177-220.	0.8	21
21	R-Boundedness of Smooth Operator-Valued Functions. Integral Equations and Operator Theory, 2009, 63, 373-402.	0.8	20
22	Almost Lipschitz-continuous wavelets in metric spaces via a new randomization of dyadic cubes. Journal of Approximation Theory, 2014, 185, 12-30.	0.8	20
23	On general local Tb theorems. Transactions of the American Mathematical Society, 2012, 364, 4819-4846.	0.9	17
24	Non-homogeneous T1 theorem for bi-parameter singular integrals. Advances in Mathematics, 2014, 261, 220-273.	1.1	15
25	On Petermichl's dyadic shift and the Hilbert transform. Comptes Rendus Mathematique, 2008, 346, 1133-1136.	0.3	12
26	Vector-valued multiparameter singular integrals and pseudodifferential operators. Advances in Mathematics, 2008, 217, 519-536.	1.1	12
27	Weak $$A_\infty$$ Weights and Weak Reverse Hölder Property in a Space of Homogeneous Type. Journal of Geometric Analysis, 2017, 27, 95-119.	1.0	12
28	What is a cube?. Annales Academiae Scientiarum Fennicae Mathematica, 2013, 38, 405-412.	0.7	10
29	Holomorphic functional calculus of Hodge-Dirac operators in L p. Journal of Evolution Equations, 2011, 11, 71-105.	1.1	8
30	Addendum to Orthonormal bases of regular wavelets in spaces of homogeneous type [Appl. Comput. Harmon. Anal. 34(2) (2013) 266–296]. Applied and Computational Harmonic Analysis, 2015, 39, 568-569.	2.2	8
31	Heat flow and quantitative differentiation. Journal of the European Mathematical Society, 2019, 21, 3415-3466.	1.4	7
32	Extrapolation of compactness on weighted spaces: Bilinear operators. Indagationes Mathematicae, 2022, 33, 397-420.	0.4	7
33	Vector-valued wavelets and the Hardy space H¹(Rⁿ,X). Studia Mathematica, 2006, 172, 125-147.	0.7	7
34	Dyadic Representation and Boundedness of Nonhomogeneous Calderón–Zygmund Operators with Mild Kernel Regularity. Michigan Mathematical Journal, 2018, 67, .	0.4	6
35	Multi–parameter estimates via operator–valued shifts. Proceedings of the London Mathematical Society, 2019, 119, 1560-1597.	1.3	4
36	The local Tb theorem with rough test functions. Advances in Mathematics, 2020, 372, 107306.	1.1	2

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37	Off-Diagonal Estimates for Bi-Commutators. International Mathematics Research Notices, 0, , .	1.0	2
38	Vector-Valued Local Approximation Spaces. Journal of Fourier Analysis and Applications, 2019, 25, 299-320.	1.0	1
39	Restricted Testing for Positive Operators. Journal of Geometric Analysis, 2021, 31, 11139-11164.	1.0	1
40	Wavelet expansions for weighted, vector-valued BMO functions. Journal D'Analyse Mathematique, 2010, 111, 321-337.	0.8	0
41	A TWO‑WEIGHT INEQUALITY BETWEEN AND. Mathematika, 2018, 64, 284-302.	0.5	0
42	An operator-valued T(1) theorem for symmetric singular integrals in UMD spaces. Journal of Functional Analysis, 2021, 280, 108933.	1.4	0