

# Tuomas HytÄĳnen

## List of Publications by Year in descending order

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42  
papers

1,731  
citations

361413

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330143

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g-index

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docs citations

43  
times ranked

399  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extrapolation of compactness on weighted spaces: Bilinear operators. <i>Indagationes Mathematicae</i> , 2022, 33, 397-420.	0.4	7
2	An operator-valued $T(1)$ theorem for symmetric singular integrals in UMD spaces. <i>Journal of Functional Analysis</i> , 2021, 280, 108933.	1.4	0
3	Restricted Testing for Positive Operators. <i>Journal of Geometric Analysis</i> , 2021, 31, 11139-11164.	1.0	1
4	The local $T_b$ theorem with rough test functions. <i>Advances in Mathematics</i> , 2020, 372, 107306.	1.1	2
5	Multi-parameter estimates via operator-valued shifts. <i>Proceedings of the London Mathematical Society</i> , 2019, 119, 1560-1597.	1.3	4
6	Heat flow and quantitative differentiation. <i>Journal of the European Mathematical Society</i> , 2019, 21, 3415-3466.	1.4	7
7	Vector-Valued Local Approximation Spaces. <i>Journal of Fourier Analysis and Applications</i> , 2019, 25, 299-320.	1.0	1
8	A TWO-WEIGHT INEQUALITY BETWEEN AND. <i>Mathematika</i> , 2018, 64, 284-302.	0.5	0
9	The space $JN$ : Nontriviality and duality. <i>Journal of Functional Analysis</i> , 2018, 275, 577-603.	1.4	25
10	Dyadic Representation and Boundedness of Nonhomogeneous Calderón-Zygmund Operators with Mild Kernel Regularity. <i>Michigan Mathematical Journal</i> , 2018, 67, .	0.4	6
11	Weak $L_\infty$ Weights and Weak Reverse Hölder Property in a Space of Homogeneous Type. <i>Journal of Geometric Analysis</i> , 2017, 27, 95-119.	1.0	12
12	Quantitative weighted estimates for rough homogeneous singular integrals. <i>Israel Journal of Mathematics</i> , 2017, 218, 133-164.	0.8	57
13	Analysis in Banach Spaces. , 2017, , .		85
14	Analysis in Banach Spaces. , 2016, , .		148
15	Addendum to Orthonormal bases of regular wavelets in spaces of homogeneous type [ <i>Appl. Comput. Harmon. Anal.</i> 34(2) (2013) 266-296]. <i>Applied and Computational Harmonic Analysis</i> , 2015, 39, 568-569.	2.2	8
16	The endpoint estimate for maximal singular integral operators. <i>Journal of Mathematical Analysis and Appli</i>	1.0	32
17	Non-homogeneous $T_1$ theorem for bi-parameter singular integrals. <i>Advances in Mathematics</i> , 2014, 261, 220-273.	1.1	15
18	Sharp weighted estimates for dyadic shifts and the $A_{2,2}$ conjecture. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2014, 2014, 43-86.	0.9	28

#	ARTICLE	IF	CITATIONS
19	Almost Lipschitz-continuous wavelets in metric spaces via a new randomization of dyadic cubes. <i>Journal of Approximation Theory</i> , 2014, 185, 12-30.	0.8	20
20	Orthonormal bases of regular wavelets in spaces of homogeneous type. <i>Applied and Computational Harmonic Analysis</i> , 2013, 34, 266-296.	2.2	57
21	Sharp weighted bounds for the $q$ -variation of singular integrals. <i>Bulletin of the London Mathematical Society</i> , 2013, 45, 529-540.	0.8	52
22	What is a cube?. <i>Annales Academiae Scientiarum Fennicae Mathematica</i> , 2013, 38, 405-412.	0.7	10
23	Sharp weighted bounds involving $\langle \cdot \rangle_A$ . <i>Analysis and PDE</i> , 2013, 6, 777-818.	1.4	181
24	On general local $T_b$ theorems. <i>Transactions of the American Mathematical Society</i> , 2012, 364, 4819-4846.	0.9	17
25	Boundedness of Calderón-Zygmund Operators on Non-homogeneous Metric Measure Spaces. <i>Canadian Journal of Mathematics</i> , 2012, 64, 892-923.	0.6	41
26	The sharp weighted bound for general Calderón-Zygmund operators. <i>Annals of Mathematics</i> , 2012, 175, 1473-1506.	4.2	248
27	Systems of dyadic cubes in a doubling metric space. <i>Colloquium Mathematicum</i> , 2012, 126, 1-33.	0.3	151
28	Sharp Reverse Hölder property for $\langle \cdot \rangle_A$ weights on spaces of homogeneous type. <i>Journal of Functional Analysis</i> , 2012, 263, 3883-3899.	1.4	182
29	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
30	Non-homogeneous $T_b$ Theorem and Random Dyadic Cubes on Metric Measure Spaces. <i>Journal of Geometric Analysis</i> , 2012, 22, 1071-1107.	1.0	88
31	The Hardy space $H^1$ on non-homogeneous metric spaces. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2012, 153, 9-31.	0.4	66
32	Holomorphic functional calculus of Hodge-Dirac operators in $L^p$ . <i>Journal of Evolution Equations</i> , 2011, 11, 71-105.	1.1	8
33	Wavelet expansions for weighted, vector-valued BMO functions. <i>Journal D'Analyse Mathématique</i> , 2010, 111, 321-337.	0.8	0
34	$R$ -Boundedness of Smooth Operator-Valued Functions. <i>Integral Equations and Operator Theory</i> , 2009, 63, 373-402.	0.8	20
35	Conical square function estimates in UMD Banach spaces and applications to $H^{\tilde{\lambda}}$ -functional calculi. <i>Journal D'Analyse Mathématique</i> , 2008, 106, 317-351.	0.8	29
36	Kato's square root problem in Banach spaces. <i>Journal of Functional Analysis</i> , 2008, 254, 675-726.	1.4	38

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37	On Petermichl's dyadic shift and the Hilbert transform. <i>Comptes Rendus Mathematique</i> , 2008, 346, 1133-1136.	0.3	12
38	Vector-valued multiparameter singular integrals and pseudodifferential operators. <i>Advances in Mathematics</i> , 2008, 217, 519-536.	1.1	12
39	Littlewood-Paley-Stein theory for semigroups in UMD spaces. <i>Revista Matematica Iberoamericana</i> , 2007, 23, 973-1009.	0.9	24
40	Singular convolution integrals with operator-valued kernel. <i>Mathematische Zeitschrift</i> , 2006, 255, 393-425.	0.9	23
41	Vector-valued wavelets and the Hardy space $H^{1,1}(\mathbb{R}^n, X)$ . <i>Studia Mathematica</i> , 2006, 172, 125-147.	0.7	7
42	Off-Diagonal Estimates for Bi-Commutators. <i>International Mathematics Research Notices</i> , 0, , .	1.0	2