Michael T Lacey

List of Publications by Year
in descending order

		394421	289244
59 papers	**1,716** citations	**19** h-index	**40** g-index
60 all docs	**60** docs citations	**60** times ranked	**316** citing authors

#	Article	IF	Citations
1	L p Estimates on the Bilinear Hilbert Transform for 2 < p < &#8734. Annals of Mathematics, 1997, 146, 693.	4.2	242
2	On Calderon's Conjecture. Annals of Mathematics, 1999, 149, 475.	4.2	222
3	A characterization of product BMO by commutators. Acta Mathematica, 2002, 189, 143-160.	3.9	117
4	An elementary proof of the A 2 bound. Israel Journal of Mathematics, 2017, 217, 181-195.	0.8	102
5	On the Small Ball Inequality in all dimensions. Journal of Functional Analysis, 2008, 254, 2470-2502.	1.4	89
6	A proof of boundedness of the Carleson operator. Mathematical Research Letters, 2000, 7, 361-370.	0.5	87
7	Sharp A 2 inequality for Haar shift operators. Mathematische Annalen, 2010, 348, 127-141.	1.4	67
8	Sharp weighted bounds for fractional integral operators. Journal of Functional Analysis, 2010, 259, 1073-1097.	1.4	66
9	Commutators in the two-weight setting. Mathematische Annalen, 2017, 367, 51-80.	1.4	58
10	Two-weight inequality for the Hilbert transform: A real variable characterization, II. Duke Mathematical Journal, 2014, 163, .	1.5	56
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	Two-weight inequality for the Hilbert transform: A real variable characterization, I. Duke Mathematical Journal, 2014, 163, .	1.5	43
13	The Ap-Ainfty inequality for general Calderon-Zygmund operators. Indiana University Mathematics Journal, 2012, 61, 2041-2052.	0.9	40
14	On the small ball inequality in three dimensions. Duke Mathematical Journal, 2008, 143, .	1.5	36
15	Breaking the duality in the return times theorem. Duke Mathematical Journal, 2008, 143, .	1.5	31
16	Multiparameter Riesz commutators. American Journal of Mathematics, 2009, 131, 731-769.	1.1	30
17	Borderline weak–type estimates for singular integrals and square functions. Bulletin of the London Mathematical Society, 2016, 48, 63-73.	0.8	26
18	Pointwise convergence of vector-valued Fourier series. Mathematische Annalen, 2013, 357, 1329-1361.	1.4	22

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19	Bloom's inequality: commutators in a two-weight setting. Archiv Der Mathematik, 2016, 106, 53-63.	0.5	22
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	Sparse bounds for spherical maximal functions. Journal D'Analyse Mathematique, 2019, 139, 613-635.	0.8	19
22	Paraproducts in one and several parameters. Forum Mathematicum, 2007, 19, .	0.7	17
23	The solution of Kato's conjectures. Comptes Rendus Mathematique, 2001, 332, 601-606.	0.5	16
24	Exponential Squared Integrability of the Discrepancy Function in Two Dimensions. Mathematika, 2009, 55, 1-27.	0.5	16
25	Sparse bounds for the discrete cubic Hilbert transform. Analysis and PDE, 2019, 12, 1259-1272.	1.4	14
26	Two weight norm inequalities for the g function. Mathematical Research Letters, 2014, 21, 521-536.	0.5	13
27	On $$A_p$$ A p – $$A_\infty $$ A ∞ type estimates for square functions. Mathematische Zeitschrift, 2016, 284, 1211-1222.	0.9	12
28	On the Separated Bumps Conjecture for Calderón-Zygmund Operators. Hokkaido Mathematical Journal, 2016, 45, .	0.3	12
29	Sparse Bounds for Bochner–Riesz Multipliers. Journal of Fourier Analysis and Applications, 2019, 25, 523-537.	1.0	11
30	A variation norm Carleson theorem for vector-valued Walsh–Fourier series. Revista Matematica Iberoamericana, 2014, 30, 979-1014.	0.9	10
31	ℓp-Improving Inequalities for Discrete Spherical Averages. Analysis Mathematica, 2020, 46, 85-95.	0.5	10
32	Local Tb theorem with L^2 testing conditions and general measures: Calderón-Zygmund operators. Annales Scientifiques De L'Ecole Normale Superieure, 2016, 49, 57-86.	0.8	10
33	On the convergence of lacunary Walsh-Fourier series. Bulletin of the London Mathematical Society, 2012, 44, 241-254.	0.8	9
34	Multi-parameter Div-Curl lemmas. Bulletin of the London Mathematical Society, 2012, 44, 1123-1131.	0.8	9
35	The vector valued quartile operator. Collectanea Mathematica, 2013, 64, 427-454.	0.9	9
36	Sparse endpoint estimates for Bochner–Riesz multipliers on the plane. Collectanea Mathematica, 2018, 69, 427-435.	0.9	8

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37	Sparse bounds for the discrete spherical maximal functions. Pure and Applied Analysis, 2020, 2, 75-92.	1.1	7
38	Integer sequences with big gaps and the pointwise ergodic theorem. Ergodic Theory and Dynamical Systems, 1999, 19, 1295-1308.	0.6	6
39	On the discrepancy function in arbitrary dimension, close to L 1. Analysis Mathematica, 2008, 34, 119-136.	0.5	6
40	Weighted Bounds for Variational Walsh–Fourier Series. Journal of Fourier Analysis and Applications, 2012, 18, 1318-1339.	1.0	6
41	Compactness of commutator of Riesz transforms in the two weight setting. Journal of Mathematical Analysis and Applications, 2022, 508, 125869.	1.0	6
42	The perfect local Tb Theorem and twisted Martingale transforms. Proceedings of the American Mathematical Society, 2014, 142, 1689-1700.	0.8	5
43	On Entropy Bumps for Calderón-Zygmund Operators. Concrete Operators, 2015, 2, .	0.2	5
44	The Two Weight Inequality for the Hilbert Transform: A Primer. Association for Women in Mathematics Series, 2017, , 11-84.	0.4	5
45	On an inequality due to Bourgain. Illinois Journal of Mathematics, 1997, 41, .	0.1	5
46	Averages Along the Primes: Improving and Sparse Bounds. Concrete Operators, 2020, 7, 45-54.	0.2	5
47	Improving Estimates for Discrete Polynomial Averages. Journal of Fourier Analysis and Applications, 2020, 26, 1.	1.0	4
48	The Supremum Norm of the Discrepancy Function: Recent Results and Connections. Springer Proceedings in Mathematics and Statistics, 2013, , 23-38.	0.2	4
49	Pointwise convergence of Walsh–Fourier series of vector-valued functions. Mathematical Research Letters, 2018, 25, 561-580.	0.5	4
50	Composition of Haar paraproducts: the random case. Analysis Mathematica, 2009, 35, 1-13.	0.5	3
51	A POLYNOMIAL ROTH THEOREM FOR CORNERS IN FINITE FIELDS. Mathematika, 2021, 67, 885-896.	0.5	3
52	On the A 2 Inequality for Calderón–Zygmund Operators. Springer Proceedings in Mathematics and Statistics, 2012, , 235-242.	0.2	3
53	On the Local Tb Theorem: A Direct Proof under the Duality Assumption. Proceedings of the Edinburgh Mathematical Society, 2016, 59, 193-222.	0.3	2
54	Weighted estimates for one-sided martingale transforms. Proceedings of the American Mathematical Society, 2020, 148, 235-245.	0.8	2

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55	On convergence of oscillatory ergodic Hilbert transforms. Indiana University Mathematics Journal, 2019, 68, 641-662.	0.9	2
56	On logarithmic bounds of maximal sparse operators. Mathematische Zeitschrift, 2020, 294, 1271-1281.	0.9	2
57	Dichotomy results for the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow><mml of the discrepancy function. Journal of Mathematical Analysis and Applications, 2014, 410, 1-6.	1.0	1
58	Local Tb theorem with L 2 testing conditions and general measures: square functions. Journal D'Analyse Mathematique, 2017, 133, 71-89.	0.8	1
59	Improving and maximal inequalities for primes in progressions. Banach Journal of Mathematical Analysis, 2022, 16, .	0.8	0