Mihalis Mourgoglou

List of Publications by Year
in descending order

35 papers	311 citations	10 h-index	16 g-index
35 all docs	35 docs citations	35 times ranked	69 citing authors

#	Article	IF	Citations
1	A New Approach to Non-Homogeneous Local Tb Theorems. Journal D'Analyse Mathematique, 2021, 143, 95.	0.8	0
2	Blow-ups of caloric measure in time varying domains and applications to two-phase problems. Journal Des Mathematiques Pures Et Appliquees, 2021, , .	1.6	1
3	Approximate tangents, harmonic measure, and domains with rectifiable boundaries. Proceedings of the American Mathematical Society, 2021, 149, 3739-3749.	0.8	0
4	Harmonic measure and Riesz transform in uniform and general domains. Journal Fur Die Reine Und Angewandte Mathematik, 2020, 2020, 183-221.	0.9	13
5	Harmonic measure and quantitative connectivity: geometric characterization of the $$L^p$$-solvability of the Dirichlet problem. Inventiones Mathematicae, 2020, 222, 881-993.	2.5	26
6	A two-phase free boundary problem for harmonic measure and uniform rectifiability. Transactions of the American Mathematical Society, 2020, 373, 4359-4388.	0.9	3
7	On a two-phase problem for harmonic measure in general domains. American Journal of Mathematics, 2019, 141, 1259-1279.	1.1	7
8	Tangent measures of elliptic measure and applications. Analysis and PDE, 2019, 12, 1891-1941.	1.4	4
9	Absolute continuity of harmonic measure for domains with lower regular boundaries. Advances in Mathematics, 2019, 345, 1206-1252.	1.1	6
10	On Harmonic Measure and Rectifiability in Uniform Domains. Journal of Geometric Analysis, 2019, 29, 1193-1205.	1.0	2
11	Failure of $$L^2$$ L 2 boundedness of gradients of single layer potentials for measures with zero low density. Mathematische Annalen, 2019, 373, 253-285.	1.4	4
12	Representation and uniqueness for boundary value elliptic problems via first order systems. Revista Matematica Iberoamericana, 2019, 35, 241-315.	0.9	33
13	Improved Cotlar's inequality in the context of local Tb theorems. Journal of Functional Analysis, 2018, 274, 1255-1275.	1.4	3
14	Uniform rectifiability from Carleson measure estimates and Îµ-approximability of bounded harmonic functions. Duke Mathematical Journal, 2018, 167, .	1.5	22
15	Tangent measures and absolute continuity of harmonic measure. Revista Matematica Iberoamericana, 2018, 34, 305-330.	0.9	6
16	Mutual Absolute Continuity of Interior and Exterior Harmonic Measure Implies Rectifiability. Communications on Pure and Applied Mathematics, 2017, 70, 2121-2163.	3.1	14
17	The one-phase problem for harmonic measure in two-sided NTA domains. Analysis and PDE, 2017, 10, 559-588.	1.4	3
18	Non-homogeneous Square Functions on General Sets: Suppression and Big Pieces Methods. Journal of Geometric Analysis, 2017, 27, 3176-3227.	1.0	2

#	Article	IF	Citations
19	A characterization of 1-rectifiable doubling measures with connected supports. Analysis and PDE, 2016, 9, 99-109.	1.4	8
20	Note about square function estimates and uniformly rectifiable measures. Proceedings of the American Mathematical Society, 2016, 144, 3455-3463.	0.8	0
21	Rectifiability of harmonic measure. Geometric and Functional Analysis, 2016, 26, 703-728.	1.8	46
22	Harmonic measure is rectifiable if it is absolutely continuous with respect to the co-dimension-one Hausdorff measure. Comptes Rendus Mathematique, 2016, 354, 351-355.	0.3	0
23	On angles determined by fractal subsets of the Euclidean space. Mathematical Research Letters, 2016, 23, 1737-1759.	0.5	4
24	On volumes determined by subsets of Euclidean space. Forum Mathematicum, 2015, 27, .	0.7	10
25	Layer potentials and boundary value problems for elliptic equations with complex <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:mo>â̂ž</mml:mo></mml:mrow></mml:mrow> coefficients satisfying the small Carleson measure norm condition. Advances in Mathematics, 2015, 270, 480-564.	10	18
26	Boundedness of non-homogeneous square functions and L^q type testing conditions with $q in (1,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.5	4
27	Square functions with general measures II. Indiana University Mathematics Journal, 2014, 63, 1249-1279.	0.9	3
28	Boundary layers, Rellich estimates and extrapolation of solvability for elliptic systems. Proceedings of the London Mathematical Society, 2014, 109, 446-482.	1.3	11
29	Square functions with general measures. Proceedings of the American Mathematical Society, 2014, 142, 3923-3931.	0.8	10
30	A Local Tb Theorem for Square Functions in Domains with Ahlforsâ€"David Regular Boundaries. Journal of Geometric Analysis, 2014, 24, 1619-1640.	1.0	4
31	On L 2 Solvability of BVPs for Elliptic Systems. Journal of Fourier Analysis and Applications, 2013, 19, 478-494.	1.0	12
32	On the Mattila-SjÃ¶lin theorem for distance sets. Annales Academiae Scientiarum Fennicae Mathematica, 2012, 37, 557-562.	0.7	11
33	On sets of directions determined by subsets of â„•d. Journal D'Analyse Mathematique, 2012, 116, 355-369.	0.8	1
34	Singular Sets for Harmonic Measure on Locally Flat Domains with Locally Finite Surface Measure. International Mathematics Research Notices, 0, , rnw121.	1.0	4
35	Uniform Rectifiability, Elliptic Measure, Square Functions, and Îµ-Approximability Via an ACF Monotonicity Formula. International Mathematics Research Notices, 0, , .	1.0	6