

# Fabio Cavalletti

## List of Publications by Year in descending order

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papers

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citations

840776

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Isoperimetric inequality in noncompact ??? spaces. Proceedings of the American Mathematical Society, 2022, 150, 3537-3548.	0.8	5
2	Independence of synthetic curvature dimension conditions on transport distance exponent. Transactions of the American Mathematical Society, 2021, 374, 5877-5923.	0.9	5
3	Displacement convexity of Entropy and the distance cost Optimal Transportation. Annales De La Facult� Des Sciences De Toulouse, 2021, 30, 411-427.	0.3	1
4	The globalization theorem for the Curvature-Dimension condition. Inventiones Mathematicae, 2021, 226, 1-137.	2.5	51
5	Indeterminacy estimates and the size of nodal sets in singular spaces. Advances in Mathematics, 2021, 389, 107919.	1.1	4
6	Almost Euclidean Isoperimetric Inequalities in Spaces Satisfying Local Ricci Curvature Lower Bounds. International Mathematics Research Notices, 2020, 2020, 1481-1510.	1.0	11
7	New formulas for the Laplacian of distance functions and applications. Analysis and PDE, 2020, 13, 2091-2147.	1.4	26
8	Isoperimetric inequality under Measure-Contraction property. Journal of Functional Analysis, 2019, 277, 2893-2917.	1.4	6
9	A variational time discretization for compressible Euler equations. Transactions of the American Mathematical Society, 2019, 371, 5083-5155.	0.9	9
10	Rigidity for critical points in the L�vy-Gromov inequality. Mathematische Zeitschrift, 2018, 289, 1191-1197.	0.9	0
11	Isoperimetric inequalities for finite perimeter sets under lower Ricci curvature bounds. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2018, 29, 413-430.	0.6	7
12	Sharp geometric and functional inequalities in metric measure spaces with lower Ricci curvature bounds. Geometry and Topology, 2017, 21, 603-645.	1.3	49
13	Optimal maps in essentially non-branching spaces. Communications in Contemporary Mathematics, 2017, 19, 1750007.	1.2	36
14	An Overview of $L^1$ optimal transportation on metric measure spaces. , 2017, , 98-144.		7
15	Sharp and rigid isoperimetric inequalities in metric-measure spaces with lower Ricci curvature bounds. Inventiones Mathematicae, 2017, 208, 803-849.	2.5	80
16	Measure rigidity of Ricci curvature lower bounds. Advances in Mathematics, 2016, 286, 430-480.	1.1	10
17	A note on a Residual Subset of Lipschitz Functions on Metric Spaces. Proceedings of the Edinburgh Mathematical Society, 2015, 58, 631-636.	0.3	0
18	A Simple Proof of Global Existence for the 1D Pressureless Gas Dynamics Equations. SIAM Journal on Mathematical Analysis, 2015, 47, 66-79.	1.9	23

#	ARTICLE	IF	CITATIONS
19	Existence and uniqueness of optimal transport maps. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2015, 32, 1367-1377.	1.4	19
20	The polar cone of the set of monotone maps. Proceedings of the American Mathematical Society, 2014, 143, 781-787.	0.8	3
21	Self-intersection of optimal geodesics. Bulletin of the London Mathematical Society, 2014, 46, 653-656.	0.8	2
22	Decomposition of Geodesics in the Wasserstein Space and the Globalization Problem. Geometric and Functional Analysis, 2014, 24, 493-551.	1.8	26
23	Monge problem in metric measure spaces with Riemannian curvature-dimension condition. Nonlinear Analysis: Theory, Methods & Applications, 2014, 99, 136-151.	1.1	31
24	The Monge Problem for Distance Cost in Geodesic Spaces. Communications in Mathematical Physics, 2013, 318, 615-673.	2.2	37
25	Optimal Transport with Branching Distance Costs and the Obstacle Problem. SIAM Journal on Mathematical Analysis, 2012, 44, 454-482.	1.9	2
26	The Monge problem in Wiener space. Calculus of Variations and Partial Differential Equations, 2012, 45, 101-124.	1.7	9
27	Local curvature-dimension condition implies measure-contraction property. Journal of Functional Analysis, 2012, 262, 5110-5127.	1.4	42