

### Tobias Holck Colding: Publications

1. T.H. Colding, Weak solutions in the sense of Calabi, in "The legacy of Eugenio Calabi (1923-2023)", Notices of the AMS, Dec. 2024, to appear.
2. T.H. Colding and W.P. Minicozzi II, Minimal Submanifolds, Encyclopedia of Mathematical Physics 2nd edition, to appear.
3. T.H. Colding and W.P. Minicozzi II, A strong Frankel theorem for shrinkers, preprint.
4. T.H. Colding and W.P. Minicozzi II, Eigenvalue lower bounds and splitting for modified Ricci flow, Advanced Nonlinear Studies, 24 (2024), no. 1, 178–188.
5. T.H. Colding and W.P. Minicozzi II, Propagation of symmetries for Ricci shrinkers, Advanced Nonlinear Studies, 23 (2023), no. 1, ans-2022–0071.
6. T.H. Colding and W.P. Minicozzi II, Jesse Douglas, Biographical Memoirs of the National Academy of Sciences, [nasonline.org/publications/biographical-memoirs/memoir-pdfs/douglas-jesse.pdf](https://nasonline.org/publications/biographical-memoirs/memoir-pdfs/douglas-jesse.pdf).
7. T.H. Colding and W.P. Minicozzi II, Singularities and diffeomorphisms, Notices of the International Consortium of Chinese Mathematicians, Vol. 10, No. 1 (2022), 112–116.
8. T.H. Colding, Evolution of form and shape, ICM–International Congress of Mathematicians. Vol. II. Plenary lectures, 826–871, EMS Press, Berlin, [2023], 2023.
9. T.H. Colding and W.P. Minicozzi II, Singularities of Ricci flow and diffeomorphisms, preprint.
10. T.H. Colding and W.P. Minicozzi II, Parabolic frequency on manifolds, Int. Math. Res. Not. IMRN 2022, no. 15, 11878–11890.
11. T.H. Colding and W.P. Minicozzi II, In search of stable geometric structures, Notices of the AMS, Vol. 66, no. 11 (2019) 1785–1791.
12. T.H. Colding and W.P. Minicozzi II, Regularity of elliptic and parabolic systems, Annales scientifiques de l’Ecole normale supérieure, (4) 56 (2023), no. 6, 1883–1921.
13. T.H. Colding and W.P. Minicozzi II, Complexity of parabolic systems, Publ. Math. Inst. Hautes Etudes Sci. 132 (2020) 83–135.
14. T.H. Colding and W.P. Minicozzi II, Liouville properties, ICCM Not. 7 (2019), no. 1, 16–26.
15. T.H. Colding, D. Gabai, and D. Ketover, Geometric methods in Heegaard theory (with appendix by T.H. Colding and D. Gabai), Surveys in Differential Geometry, Vol. 25, No. 1 (2020), 33–70.

16. T.H. Colding and W.P. Minicozzi II, Optimal bounds for ancient caloric functions, *Duke Math. J.* 170 (2021), no. 18, 4171–4182.
17. T.H. Colding and W.P. Minicozzi II, Wandering singularities, *J. Differential Geom.*, 119 (2021) 403 – 420.
18. T.H. Colding and W.P. Minicozzi II, Dynamics of closed singularities, *Annales de l’Institut Fourier*, Tome 69 (2019) no. 7, 2973–3016.
19. T.H. Colding and W.P. Minicozzi II, Analytical properties for degenerate equations. Geometric Analysis, In Honor of Gang Tian’s 60th Birthday, Progress in Mathematics series by Birkhauser. Editors: Jingyi Chen, Peng Lu, Zhiqin Lu, and Zhou Zhang, Vol. 333, (2020) 57–70.
20. T.H. Colding and W.P. Minicozzi II, Arnold-Thom gradient conjecture for the arrival time, *Comm. Pure and Appl. Math*, 72 (2019), no. 7, 1548–1577.
21. T.H. Colding and W.P. Minicozzi II, Sharp frequency bounds for eigenfunctions of the Ornstein-Uhlenbeck operator, *Calculus of Variations and Partial Differential Equations*, 57 (2018) no. 5, Art. 138.
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23. T.H. Colding and W.P. Minicozzi II, Level Set Method for motion by mean curvature, *Notices of the AMS*, (2016) Vol. 63, No. 10, 1148–1153.
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25. T.H. Colding, D. Gabai and D. Ketover, On the classification of Heegaard splittings, *Duke Math. J.*, Vol. 167, No. 15 (2018) 2833–2856.
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