

The list of publications of Juha Kinnunen

A book

1. J. Kinnunen, J. Lehrbäck and A. Vähäkangas, *Maximal Function Methods for Sobolev Spaces*, Mathematical Surveys and Monographs, 257. American Mathematical Society, 2021.

Articles submitted for publication

2. V. Buffa, J. Kinnunen and C. Pacchiano Camacho, *Variational solutions to the total variation flow on metric measure spaces* (2021).

3. P. Garain and J. Kinnunen, *On the regularity theory for mixed local and nonlocal quasilinear parabolic equations* (2021).

4. P. Garain and J. Kinnunen, *Weak Harnack inequality for a mixed local and nonlocal parabolic equation* (2021).

5. A. Banerjee, P. Garain and J. Kinnunen, *Lower semicontinuity and pointwise behavior of supersolutions for some doubly nonlinear nonlocal parabolic p -Laplace equations* (2021).

Articles in international refereed journals

6. J. Kinnunen, E.-K. Kurki and C. Mudarra, *Characterizations of weak reverse Hölder inequalities on metric measure spaces*, Math. Z. (to appear).

7. P. Garain and J. Kinnunen, *On the regularity theory for mixed local and nonlocal quasilinear elliptic equations*, Trans. Amer. Math. Soc. (to appear).

8. A. Banerjee, P. Garain and J. Kinnunen, *Some properties of subsolutions and supersolutions for a doubly nonlinear nonlocal parabolic p -Laplace equation*, Ann. Mat. Pura Appl. (4) (to appear).

9. J. Kinnunen and K. Myrskyläinen, *Dyadic John-Nirenberg space*, Proc. Roy. Soc. Edinburgh Sect. A. (to appear).

10. J. Kinnunen and C. Scheven, *On the definition of solution to the total variation flow*, Calc. Var. Partial Differential Equations **61** (2022), no. 1, Paper No. 40.

11. P. Garain and J. Kinnunen, *Nonexistence of variational minimizers related to a quasilinear singular problem in metric measure spaces*, Proc. Amer. Math. Soc. **149** (2021), 3407-3416.

12. R. Kr. Giri, J. Kinnunen and K. Moring, *Supercaloric functions for the parabolic p -Laplace equation in the fast diffusion case*, NoDEA Nonlinear Differential Equations Appl. **28** (2021), no. 3, 33.

13. V. Bögelein, F. Duzaar, J. Kinnunen and C. Scheven, *Higher integrability for doubly nonlinear parabolic systems*, J. Math. Pures Appl. (9) **143** (2020), 31-72.

14. J. Kinnunen, R. Korte, J. Lehrbäck and A.V. Vähäkangas, *A maximal function approach to two-measure Poincaré inequalities*, J. Geom. Anal. **29** (2019), 1763-1810.

15. T. Heikkinen and J. Kinnunen, *A median approach to differentiation bases*, Atti. Accad. Naz. Lincei Rend. Lincei Mat. Appl. **30** (2019), 41-66.

16. J. Kinnunen, P. Lehtelä, P. Lindqvist and M. Parviainen, *Supercaloric functions for the porous medium equation*, J. Evol. Equ. **19** (2019), 249-270.

17. J. Kinnunen, J. Lehrbäck, A.V. Vähäkangas and X. Zhong, *Maximal function estimates and self-improvement results for Poincaré inequalities*, Manuscripta Math. **158** (2019), 119-147.

18. H. Hakkarainen, J. Kinnunen, P. Lahti and P. Lehtelä, *Relaxation and integral representation for functionals of linear growth on metric measure spaces*, Anal. Geom. Metr. Spaces **4** (2016), 288-313.

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