

The list of publications of Juha Kinnunen

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. Y. Fang, J. Kinnunen and C. Zhang, *Weak Harnack inequalities for nonlocal double phase problems* (2025).

Articles in international refereed journals

3. J. Kinnunen, J. Lehrbäck, A.V. Vähäkangas and D. Yang, *Self-improving results for weighted norm inequalities on metric measure spaces*, Rev. Mat. Complut. (to appear).
4. A. Aghajani, J. Kinnunen and V. Radulescu, *Hardy-type inequalities for the drifting p -Laplace operator and applications*, Proc. Roy. Soc. Edinburgh Sect. A. (2025), 1-33, DOI:10.1017/prm.2025.14.
5. J. Kinnunen and K. Myyryläinen, *Characterizations of parabolic reverse Hölder classes*, J. Anal. Math. **155** (2025), no. 2, 609-656.
6. A. Aghajani and J. Kinnunen, *Nonexistence results for quasilinear elliptic problems with singular lower order terms*, Discrete Contin. Dyn. Syst. **45** (2025), no. 12, 4606-4629.
7. A. Aghajani, J. Kinnunen and V. Radulescu, *Nonexistence results and integral estimates for some higher order nonlinear elliptic problems*, J. Differential Equations **424** (2025), 183-207.
8. W. Kim, J. Kinnunen and L. Särkiö, *Lipschitz truncation method for parabolic double-phase systems and applications*, J. Funct. Anal. **288** (2025), Paper No. 110738.
9. P. Garain, J. Kinnunen and W. Kim, *On the regularity theory for mixed anisotropic and nonlocal p -Laplace equations and its applications to singular problems*, Forum Math. **36** (2024), no. 3, 697-715.
10. P. Garain and J. Kinnunen, *On the regularity theory for mixed local and nonlocal quasilinear parabolic equations*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) **25** (2024), no. 1, 495-540.
11. J. Kinnunen, K. Myyryläinen, D. Yang and C. Zhu, *Parabolic Muckenhoupt weights with time lag on spaces of homogeneous type with monotone geodesic property*, Potential Anal. **60** (2024), no. 4, 1513-1569.
12. J. Kinnunen and K. Myyryläinen, *Characterizations of parabolic Muckenhoupt classes*, Adv. Math. **444** (2024), Paper No. 109612.
13. J. Kinnunen, A. Nastasi and C. Pacchiano Camacho, *Gradient higher integrability for double phase problems on metric measure spaces*, Proc. Amer. Math. Soc. **152** (2024), no. 3, 1233-1251.
14. A. Aghajani and J. Kinnunen, *Supersolutions to nonautonomous Choquard equations in general domains*, Adv. Nonlinear Anal. **12** (2023), no. 1.
15. J. Kinnunen, K. Myyryläinen and D. Yang, *John-Nirenberg inequalities for parabolic BMO*, Math. Ann. **387** (2023), no. 3-4, 1125-1162.
16. W. Kim, J. Kinnunen and K. Moring, *Gradient higher integrability for degenerate parabolic double-phase systems*, Arch. Ration. Mech. Anal. **247** (2023), no. 5, 79.
17. A. Banerjee, P. Garain and J. Kinnunen, *Lower semicontinuity and pointwise behavior of supersolutions for some doubly nonlinear nonlocal parabolic p -Laplace equations*, Commun. Contemp. Math. **25** (2023), no. 8, Paper No. 2250032, 23 pp.
18. P. Garain and J. Kinnunen, *Weak Harnack inequality for a mixed local and nonlocal parabolic equation*, J. Differential Equations **360** (2023), 373-406.

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21. 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) **201** (2022), no. 4, 1717-1751.
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