

Ari Laptev

PUBLICATIONS

Journals

128. (jointly with R.Frank, Th.Hoffmann-Ostenhof and J.P.Solovej), *Hardy inequalities for large fermionic systems*, accepted by JST.
127. (jointly with C.Cazacu, D.Krejčířik and N.Lam), *Hardy inequalities for magnetic p -Laplacians*, *Nonlinearity*, **37**, (3) (2024), 27p. (doi.org/10.1088/1361-6544/ad1aee).
126. (jointly with A.Ilyin and T.Weinmann), *Lieb–Thirring mnequalities on Manifolds with constant negative curvature*, *JGA*, 34:62 (2024), 1-17 (doi.org/10.1007/s12220-023-01506-4).
125. (Jointly with R.L. Frank and Larry Read), *Weighted CLR type bounds in two dimensions*, *Transactions of the American Mathematical Society*, **377**, (5) (2024), 3357-3371. (doi.org/10.1090/tran/9124).
124. (jointly with Th. Hoffmann-Ostenhof and I. Shcherbakov), *Hardy and Sobolev inequalities on antisymmetric functions*, *Bull. Math. Sci.* **14**, (1) (2024), 18 p. (doi.org/10.1142/S1664360723500108).
123. (jointly with A.Ilyin), *Magnetic Lieb--Thirring inequalities on the torus*, *J. Spectr. Theory* **13**, (3) (2023), 1111--1127
122. (jointly with A.Aljahili), *Non-classical spectral bounds for Schrödinger operators*, *J. Math. Sci., New York* **270**, (6) (2023), 741-751.
121. (jointly with O. Safronov), *Absolutely continuous spectrum of a typical Schrödinger operator with an operator valued potential*, *St. Petersburg Math. J.* **35**, (1) (2024), 171—183.
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112. *On factorization of a class of Schrödinger operators*, Complex Variables and Elliptic Equations, **66**, (6-7) (2021) 1100--1107; Special Issue Dedicated to the 110th Anniversary of S.L. Sobolev, <https://doi.org/10.1080/17476933.2020.1833869>,
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109. (jointly with L.Fanelli, D.Krejcirik and L.Vega) *On the improvement of the Hardy inequality due to singular magnetic fields*, CPDE, **45** (9) (2020), 1-11.
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A. Laptev, 2024-07-05

