

Scientific Publications of Silvia Cingolani

- 87. Alessandro CANNONE, Silvia CINGOLANI, Minbo YANG, Shunneng, ZHAO, Qualitative properties of single blow-up solutions for nonlinear Hartree with slightly subcritical exponent, <https://arxiv.org/pdf/2511.21372>
- 86. Natalino BORGIA, Silvia CINGOLANI, Giuseppina VANNELLA, Uniform L^∞ -Boundness for solutions of anisotropic quasilinear systems, to appear on Advanced Nonlinear Studies
- 85. Alessandro CANNONE, Silvia CINGOLANI, and Jarosław MEDERSKI, Polyharmonic Nonlinear Scalar Field Equations, <https://arxiv.org/abs/2507.12962>
- 84. Silvia CINGOLANI, Minbo YANG, Shunneng, ZHAO, Asymptotic behavior of least energy solutions to the nonlinear Hartree equations near critical exponent, accepted for publication on Annali Scuola Normale Superiore di Pisa <https://arxiv.org/pdf/2511.20136>
- 83. Silvia CINGOLANI, Marco GALLO, Norihisa IKOMA, Kazunaga TANAKA, Normalized ground state for NLS equations with mass critical nonlinearities , accepted for publication on Discrete Continuous Dynamical Systems-A <https://arxiv.org/pdf/2507.00639>
- 82. Natalino BORGIA, Silvia CINGOLANI, Giuseppina Vannella, A Poincaré-Hopf formula for functionals associated to quasilinear elliptic systems, to appear on Nonlinear Analysis: Real World Applications, vol-87, Number Art. 104443 (2026) DOI 10.1016/j.nonrwa.2025.104443
- 81. Omar CABRERA, Silvia CINGOLANI, Tobias WETH, A new framework for Ljusternik-Schnirelmann theory and its application to planar Choquard equations, to appear on SIAM Journal Mathematical Analysis, (<https://arxiv.org/abs/2502.18421>)
- 80. Silvia CINGOLANI, Marco GALLO, Norihisa IKOMA, Kazunaga TANAKA, Normalized solutions for nonlinear Schrödinger equations with L^2 -critical nonlinearity, <https://arxiv.org/abs/2410.23733>
- 79. Natalino BORGIA, Silvia CINGOLANI, Gabriele MANCINI, On the equivalence between an Onofri-type inequality by Del Pino–Dolbeault and the sharp logarithmic Moser–Trudinger inequality, Calculus of Variations and Partial Differential Equations, Volume 64, Issue 3, Article number 80 (2025)
- 78. Alessandro CANNONE, Silvia CINGOLANI, A sharp threshold for Trudinger-Moser type inequalities with logarithmic kernels in dimension N , Proceedings of the Royal Society of Edinburgh: Section A Mathematics, pages 1- 39 (2025)
- 77. Silvia CINGOLANI, Tobias WETH, Meng YU, Extremal functions for the critical Trudinger-Moser inequality with logarithmic kernels, ESAIM: Control, Optimisation and Calculus of Variations (2024) (<https://doi.org/10.1051/cocv/2024061>)
- 76. Silvia CINGOLANI, Marco DEGIOVANNI, Berardino SCIUNZI, Weighted Sobolev spaces and Morse estimates for quasilinear elliptic equations, Journal of Functional Analysis, vol. 286 (2024) 110346, (<https://doi.org/10.1016/j.jfa.2024.110346>)

75. Natalino BORGIA, Silvia CINGOLANI, Giuseppina VANNELLA, Nontrivial solutions for resonance quasilinear elliptic systems, *Advances in Nonlinear Analysis* 2024; 13: 20240005 (<https://doi.org/10.1515/anona-2024-0005>)
74. Natalino BORGIA, Silvia CINGOLANI, Gabriele MANCINI, New analytical and geometrical aspects on Trudinger-Moser type inequality in 2D, "Singularities, Asymptotics, and Limiting Models", Springer-INdAM series, 2024 (DOI: 10.1007/978 – 981 – 96 – 3584 – 9₉)
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PhD Thesis

Silvia CINGOLANI, *Variational Methods and Nonlinear Schrödinger equations*, PhD Thesis, Scuola Normale Superiore di Pisa, 1998 (PhD Advisor: Antonio AMBROSETTI)