

List of publications

Susanna Terracini

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Preprint

- [118] Y. SIRE, S. TERRACINI AND S. VITA, *Liouville type theorems and regularity of solutions to degenerate or singular problems part I: even solutions*, preprint 2019 (<https://arxiv.org/abs/1903.02143>)
- [117] A. BOSCAGGIN, W. DAMBROSIO, G. FELTRIN AND S. TERRACINI, *Parabolic arcs for time-dependent perturbations of the Kepler problem*, preprint 2019 (<https://arxiv.org/abs/1903.07849>)
- [116] A. AUDRITO AND S. TERRACINI, *On the nodal set of solutions to a class of nonlocal parabolic reaction-diffusion equations*, preprint 2018 (<https://arxiv.org/abs/1807.10135>)
- [115] Y. SIRE, S. TERRACINI AND G. TORTONE, *On the nodal set of solutions to degenerate or singular elliptic equations with an application to s -harmonic functions*, preprint 2018 (<https://arxiv.org/abs/1808.01851>)
- [114] V. L. BARUTELLO, X. HU, A. PORTALURI AND S. TERRACINI, *An Index theory for asymptotic motions under singular potentials*, preprint 2017 (<http://arxiv.org/abs/1705.01291>)

Accepted papers

- [113] D. MAZZOLENI, S. TERRACINI AND B. VELICHKOV, *Regularity of the free boundary for the vectorial Bernoulli problem*, Analysis and PDE, to appear (<https://arxiv.org/abs/1804.09243>)

Published papers

- [112] S. TERRACINI, G. VERZINI AND A. ZILIO, *Spiralling asymptotic profiles of competition-diffusion systems*, Comm. Pure Appl. Math. published online (<http://arxiv.org/abs/1707.01051>)
- [111] D. DE SILVA AND S. TERRACINI, *Segregated configurations involving the square root of the laplacian and their free boundaries*, Calc. Var. PDE, 58(3), 87 (<https://arxiv.org/abs/1810.01932>)
- [110] N. SOAVE AND S. TERRACINI, *The nodal set of solutions to some elliptic problems: singular nonlinearities*, Jour. Math. Pures Appl. 128, pp. 264-296 (<http://arxiv.org/abs/1803.06637>)
- [109] N. SOAVE AND S. TERRACINI, *The nodal set of solutions to some elliptic problems: sublinear equations and the unstable two-phase membrane problem*, Adv. Math. 334, (2018), 243-299 (<http://arxiv.org/abs/1802.02089>)
- [108] S. TERRACINI, G. TORTONE, S. VITA, *On s -harmonic functions on cones*, Anal. PDE 11 (2018), no. 7, 1653-1691, (<http://arxiv.org/abs/1705.03717>)
- [107] N. SOAVE, H. TAVARES, S. TERRACINI AND A. ZILIO, *Variational problems with long-range interaction*, Arch. Ration. Mech. Anal. 228 (2018), no. 3, 743-772 (<http://arxiv.org/abs/1701.05005>)

- [106] S. TERRACINI AND S. VITA, *On the Asymptotic Growth of Positive Solutions to a Nonlocal Elliptic Blow-up System Involving Strong Competition*, Ann. Inst.H. Poincaré Anal. Non Linéaire, AN 35 (2018) 831-858 (<http://arxiv.org/abs/1604.03264>)
- [105] D. MAZZOLENI, S. TERRACINI AND B. VELICHKOV, *Regularity of the optimal sets for spectral functionals*, Geom. Funct. Anal. 27 (2017), no. 2, 373-426 (<http://arxiv.org/abs/1609.01231>)
- [104] A. BOSCAGGIN, W. DAMBROSIO AND S. TERRACINI, *Scattering parabolic solutions for the spatial N -centre problem*, Arch. Ration. Mech. Anal. 223 (2017), no. 3, 1269-1306 (<http://arxiv.org/abs/1602.02897>)
- [103] S. TERRACINI, G. VERZINI AND A. ZILIO, *Uniform Hölder bounds for strongly competing systems involving the square root of the laplacian*, J. Eur. Math. Soc. (JEMS) 18 (2016), no. 12, 2865-2924 (<http://arxiv.org/abs/1211.6087>)
- [102] D. BONHEURE, M. GROSSI, B. NORIS AND S. TERRACINI, *Multi-layer radial solutions for a supercritical Neumann problem*, J. Differential Equations 261 (2016), no. 1, 455-504 (<http://arxiv.org/abs/1508.01619>)
- [101] N. SOAVE, H. TAVARES, S. TERRACINI AND A. ZILIO, *Hölder bounds and regularity of emerging free boundaries for strongly competing Schrödinger equations with nontrivial grouping*, Nonlinear Anal. 138 (2016), 388-427, (<http://arxiv.org/abs/1506.00800>)
- [100] M. RAMOS, H. TAVARES AND S. TERRACINI, *Existence and regularity of solutions to optimal partition problems involving Laplacian eigenvalues*, Arch. Ration. Mech. Anal. 220 (2016), no. 1, 363-443, (<http://arxiv.org/abs/1403.6313>)
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- [94] S. TERRACINI, N. TZVETKOV AND N. VISCIGLIA, *The Nonlinear Schrödinger equation ground states on product spaces*, Analysis & PDE 7 (2014), n. 1, 73-96 (<http://arxiv.org/abs/1205.0342>)
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- Symmetry and Perturbation Theory: Proceedings Of The International Conference SPT 2004 Cala Genone, Italy, 30 May–5 June 2004, Editors: Giuseppe Gaeta, Barbara Prinari, Stefan Rauch-Wojciechowski, Susanna Terracini, *World Scientific* (2005)
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