

# Carlo Mercuri

Publication related to the Ph.D. Thesis

- Mercuri, C. Positive solutions of nonlinear Schrödinger-Poisson systems with radial potentials vanishing at infinity. *Atti Accad. Naz. Lincei Cl. Sci. Fis. Mat. Natur. Rend. Lincei (9) Mat. Appl.* 19 (2008), no. 3, 211227.
- Fall, M. M.; Mercuri, C. Foliations of small tubes in Riemannian manifolds by capillary minimal discs. *Nonlinear Anal.* 70 (2009), no. 12, 44224440
- Fall, M. M.; Mercuri, C. Minimal disc-type surfaces embedded in a perturbed cylinder. *Differential Integral Equations* 22 (2009), no. 11-12, 11151124.
- Mercuri, C.; Willem, M. A global compactness result for the  $p$ -Laplacian involving critical nonlinearities. *Discrete Contin. Dyn. Syst.* 28 (2010), no. 2, 469493.
- Bonheure, D.; Mercuri, C. Embedding theorems and existence results for nonlinear Schrödinger-Poisson systems with unbounded and vanishing potentials. *J. Differential Equations* 251 (2011), no. 4-5, 10561085
- Bonheure, D.; Di Cosmo, J.; Mercuri, C. Concentration on circles for nonlinear Schrödinger-Poisson systems with unbounded potentials vanishing at infinity. To appear in *Communication in Contemporary Mathematics*.