

List of Publications

Published or Accepted Publications

1. *Real analytic solutions to the Willmore flow*. Ninth MSU-UAB Conference on Differential Equations and Computational Simulations; Electron. J. Diff. Eqns., Conf. **20**, pp. 151-164 (2013).
2. *Continuous maximal regularity on uniformly regular Riemannian manifolds*. J. Evol. Equ. **1**, no. 14, 211-248 (2014). 38 pages. (With Gieri Simonett)
3. *A family of parameter-dependent diffeomorphisms acting on function spaces over a Riemannian manifold and applications to geometric flows*. NoDEA Nonlinear Differential Equations Appl. **22**, no. 1, 45-85 (2015).

Submitted Papers

4. *Continuous maximal regularity on manifolds with singularities and its applications*. Submitted. arXiv: 1410.1082. 32 pages.
5. *Some remarks on uniformly regular Riemannian manifolds*. Submitted. arXiv:1410.8627. (With Marcelo Disconzi, and Gieri Simonett)
6. *On the regularity of the interface of a thermodynamically consistent two-phase Stefan problem*. Submitted. arXiv: 1412.5222. 42 pages. (With Jan Prüss, and Gieri Simonett)
7. *Singular parabolic equations of second order on manifolds with singularities*. Submitted. arXiv:1502.06696. 46 pages.

Papers in Preparation

8. *Comparison principles for degenerate parabolic equations on singular manifolds and their applications*. In preparation.