

## List of papers

佐野 めぐみ (Megumi Sano)

- [1] Sano M. 「Explicit optimal constants of two critical Rellich inequalities for radially symmetric functions」, submitted.
- [2] Sano M. 「Minimization problem associated with an improved Hardy-Sobolev type inequality」, submitted.
- [3] Sano M. and Sobukawa T. 「Remarks on a limiting case of Hardy type inequalities」, submitted.
- [4] Mercaldo A., Sano M., and Takahashi F. 「Finsler Hardy inequalities」, submitted.
- [5] Sano M. and Takahashi F. 「Weighted Hardy's inequality in a limiting case and the perturbed Kolmogorov equation」, *Applicable Analysis* 98 (2019), no. 10, 1875–1888.
- [6] Sano M. 「Extremal functions of generalized critical Hardy inequalities」, *J. Differential Equations* 267 (2019), no. 4, 2594–2615.
- [7] Hahizume M. and Sano M. 「Strauss's radial compactness and nonlinear elliptic equation involving a variable critical exponent」, *J. Funct. Spaces* 2018, Art. ID 5497172, (2018), 13 pp.
- [8] Sano M. and Takahashi F. 「Some improvements for a class of the Caffarelli-Kohn-Nirenberg inequalities」, *Differential Integral Equations*, Volume 31, Numbers 1-2, (2018), 57-74.
- [9] Sano M. 「Scaling invariant Hardy type inequalities with non-standard remainder terms」, *Mathematical Inequalities & Applications*, Volume 21, Number 1 (2018), 77-90.
- [10] Sano M. and Takahashi F. 「Scale invariance structures of the critical and the subcritical Hardy inequalities and their improvements」, *Calc. Var. Partial Differential Equations* 56 (2017), no. 3, Paper No. 69, 14 pp.
- [11] Sano M. and Takahashi F. 「Sublinear eigenvalue problems with singular weights related to the critical Hardy inequality」, *Electron. J. Diff. Equ.*, Vol. 2016 (2016), No. 212, pp. 1-12.
- [12] Sano M. and Takahashi F. 「Improved Rellich type inequalities in 」, *Springer Proceedings in Mathematics & Statistics* 176, 「Geometric Properties for Parabolic and Elliptic PDE's」, (2016), 241-255.
- [13] Sano M. 「A mean value property for polycaloric functions」, *Scientiae Mathematicae Japonicae*, (2015), Vol. 78, No. 1, 103-112.

### Note

- [1] 佐野めぐみ 「Two limits on Hardy and Sobolev inequalities」, RIMS 講究録, 提出済.