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, arXiv:2002.04768v2.

[2] Sano M.「Minimization problem associated with an improved Hardy-Sobolev type inequality」, Nonlinear Anal. 200 (2020), 111965, 16 pp.

[3] Sano M. and Sobukawa T.「Remarks on a limiting case of Hardy type inequalities」, Math. Inequal. Appl. 23 (2020), no. 4, 1425– 1440.

[4] Mercaldo A., Sano M., and Takahashi F.「Finsler Hardy inequalities」, Math. Nachrichten, Volume 293, Issue 12, (2020), 2370-2398.

[5] Sano M. and Takahashi F.「Weighted Hardy's inequality in a limiting case and the perturbed Kolmogorov equation」, Appl. Anal. 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 $\mathbb{R}^N$」, 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 Kôkyûroku 2172 "Geometric aspects of solutions to partial differential equations", (2020), 105-119.