

# 研究業績リスト

(令和 6 年 1 月 17 日現在)

熊本大学  
佐藤拓也

## 論文リスト

● 論文 (査読付き)

- [1] T. Sato,  *$L^2$ -decay estimate for the dissipative nonlinear Schrödinger equation in the Gevrey class*, Arch. Math. **115** (2020), 575-588.
- [2] T. Ogawa, T. Sato, *Analytic smoothing effect for system of nonlinear Schrödinger equations with general mass resonance*, Hiroshima Math. J. **50** (2020), 73-84.
- [3] T. Ogawa, T. Sato,  *$L^2$ -decay rate for the critical nonlinear Schrödinger equation with a small smooth data*, NoDEA Nonlinear Differ. Equ. Appl. **27** (2020), 18.
- [4] T. Sato, *Lower bound estimate for the dissipative nonlinear Schrödinger equation*, SN Partial Differ. Equ. Appl. **2** (2021), Paper No. 66, 11pp.
- [5] N. Kita, T. Sato, *Optimal  $L^2$ -decay of solutions to a cubic dissipative nonlinear Schrödinger equation*, Asymptot. Anal. **129** (2022), 505-517.
- [6] N. Kita, T. Sato, *Optimal  $L^2$ -decay of solutions to a nonlinear Schrödinger equation with sub-critical dissipative nonlinearity*, NoDEA Nonlinear Differ. Equ. Appl. **29** (2022), 41.
- [7] T. Sato, *Large time behavior of solutions to the critical dissipative nonlinear Schrödinger equation with large data*, J. Evol. Equ. (2022), Paper No. 59.
- [8] M. Kawamoto, T. Sato, *Asymptotic behavior of solutions to a dissipative nonlinear Schrödinger equation with time dependent harmonic potentials*, J. Differential Equations **345** (2023), 418-446.
- [9] N. Hayashi, C. Li, T. Ogawa, T. Sato, *Critical exponent for global existence of solutions to the Schrödinger equation with a nonlinear boundary condition*, Nonlinear Anal. **230** (2023), no. 113229.
- [10] N. Kita, T. Sato, *Optimal  $L^2$ -decay of solutions to the dissipative nonlinear Schrödinger equation in higher space dimensions*, J. Differential Equations **354** (2023), 49-66.
- [11] T. Sato,  *$L^2$ -decay rate for special solutions to critical dissipative nonlinear Schrödinger equations*, Ann. Henri Poincaré (2023), accepted.