

# 研究業績リスト

(令和 7 年 12 月 17 日現在)

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.
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- [12] J. Gerelmaa, N. Kita, T. Sato,  *$L^2$ -decay of solutions to dissipative nonlinear Schrödinger equations with large initial data*, Journal of Mathematical Sciences, **279** (2024), 814-823.
- [13] T. Ogawa, T. Sato, S. Tsuhara, *The initial-boundary value problem for the nonlinear Schrödinger equation with the nonlinear Neumann boundary condition on the half-plane*, NoDEA Nonlinear Differ. Equ. Appl., **31** (2024), no. 59.

- [14] N. Kita, H. Miyazaki, Y. Sagawa, T. Sato, *Refined  $L^2$ -decay estimate of solutions to a system of dissipative nonlinear Schrödinger equations*, Journal of Applied Science and Engineering A, **5** (2024), 18-30.
- [15] Y. Nishii, Y. Sagawa, T. Sato, *Upper and lower bounds for energy of small solutions to semilinear wave equations with weakly dissipative structure*, Methods Appl. Anal. **31** (2024), 79-94.
- [16] N. Hayashi, T. Ogawa, T. Sato, *The initial-boundary value problem for the nonlinear Schrödinger equation with the nonlinear Neumann boundary condition on the half-line*, J. Differential Equations, **422** (2025), 355-385.
- [17] T. Ogawa, T. Sato, S. Tsuhara, *The initial-boundary value problem for the nonlinear Schrödinger equation with the nonlinear Neumann boundary condition on the half-plane in  $L^2$* , J. Differential Equations **436** (2025), Paper No. 113361, 26 pp.
- [18] T. Sato, *Spatial analyticity of solutions to quadratic nonlinear Schrödinger equations with mass resonance*, J. Math. Anal. Appl. **551** (2025), Paper No. 129684, 14 pp.
- [19] N. Kita, H. Miyazaki, T. Sato, *Refinement of the  $L^2$ -decay estimate of solutions to nonlinear Schrödinger equations with attractive-dissipative nonlinearity*, J. Evol. Equ. **25** (2025), Paper No. 66, 15 pp.
- [20] J. Gerelmaa, N. Kita, T. Sato,  *$L^2$ -decay estimate of solutions to dissipative nonlinear Schrödinger equations in  $\mathbb{R}^n$  without strong dissipative condition*, Nonlinearity **38** (2025), Paper No. 075031, 16 pp.