

論文リスト
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大阪公立大学
細野 竜也
tatsuya.hosono@omu.ac.jp

論文 (査読有)

- [1] Tatsuya Hosono and Takayoshi Ogawa, *Local well-posedness and finite time blow-up of solutions to an attraction-repulsion chemotaxis system in higher dimensions*, J. Math. Anal. Appl. **510** (2022), 126009.
- [2] Tatsuya Hosono, *Finite-time blow-up for the attractive dominant case of an attraction-repulsion chemotaxis system in the whole space*, Differential Integral Equations **36** (2023), 907–928.
- [3] Tatsuya Hosono and Takayoshi Ogawa, *Global existence of solutions to the 4D attraction-repulsion chemotaxis system and applications of Brezis–Merle inequality*, Nonlinearity **36** (2023), 5860–5883.
- [4] Tatsuya Hosono and Philippe Laurençot, *Global existence and boundedness of solutions to a fully parabolic chemotaxis system with indirect signal production in \mathbb{R}^4* , J. Differential Equations **416** (2025), 2085–2133.
- [5] Tomasz Cieślak, Kentaro Fujie and Tatsuya Hosono, *Nonlinear Fisher information, corresponding functional inequalities and applications*, J. Differential Equations **470** (2026), 114350.
- [6] Tatsuya Hosono, *On the Cauchy problem of a chemotaxis system with indirect signal production*, to appear in SEMA-SIMAI SPRINGER SERIES, volume entitled “Analysis, approximation and control of chemotaxis models.”

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- [7] Tatsuya Hosono, *Global solvability and threshold for a parabolic-elliptic chemotaxis system in \mathbb{R}^n* , OCAMI Preprint Series 2025.
- [8] Tatsuya Hosono, *Global existence for the fully parabolic Keller–Segel system with critical mass on the plane*, arXiv:2602.03768.