

1. C. Matsuoka and K. Hiraide, Detecting all homoclinic points in nonlinear discrete dynamical systems, **preprint**.
2. K. Hiraide, A proof of the Fatou conjecture, in preparation.
3. K. Hiraide and C. Matsuoka, Rapid deterioration of convergence in Taylor expansions of linearizing maps of Henon maps at hyperbolic fixed points, **preprint**.
4. C. Matsuoka and K. Hiraide, Computation of entropy and Lyapunov exponent by a shift transform, *Chaos* 25, 1031101-6 (2015).
5. C. Matsuoka and K. Hiraide, Entropy estimation of the Henon attractor, *Chaos Solitons Fractal* 45, 805-809 (2012).
6. C. Matsuoka and K. Hiraide, Special functions created by Borel-Laplace transform of Henon map, *Electron. Res. Announc. Math. Sci.* 18, 1-11(2011).
7. K. Hiraide, A simple proof of the Franks-Newhouse theorem on codimension-one Anosov diffeomorphisms. *Ergodic Theory & Dynam. Systems*, 21, 801-806 (2001).
8. K. Hiraide, On an ordering of dynamics of homeomorphisms, *Proceedings of the International Conference on Algorithms, Fractals, and Dynamics*, 63-78 (1995).
9. K. Hiraide, Codimension two hyperbolic infra-nilmanifold automorphisms, *Proceedings of the International Conference on Dynamical Systems and Chaos Vol.1*, World Scientific, 87-96 (1995),
10. N. Aoki and K. Hiraide, *Topological theory of dynamical systems. Recent advances*, North-Holland Mathematical Library 52. North-Holland, Amsterdam, 416 pp. (1994) ISBN: 9780444899170, pbk ISBN: 9780444558565, eBook ISBN: 9780080887210
11. K. Hiraide, Dynamical systems of expansive maps on compact manifolds, *Sugaku Expositions Amer. Math. Soc.* 5, 133-154 (1992).
12. 平出耕一, 拡大的写像の力学系, *数学(日本数学会邦文誌)* 42巻1号, 32-47 (1990).
13. K. Hiraide, Nonexistence of positively expansive maps on compact connected manifolds with boundary, *Proc. Amer. Math. Soc.*, 110, 565-568 (1990).
14. K. Hiraide, Expansive homeomorphisms of compact surfaces are pseudo-Anosov, *Osaka J. Math.* 27. 117-162 (1990).
15. K. Hiraide, Positively expansive open maps of Peano spaces, *Topology and its Appl.* 37, 213-220 (1990).

16. K. Hiraide, Expansive homeomorphisms with the pseudo-orbit tracing property of  $n$ -tori, *J. Math. Soc. Japan*, 41, 357-389 (1989).
17. K. Hiraide, Positively expansive maps and growth of fundamental groups, *Proc. Amer. Math. Soc.*, 104, 934-941 (1988).
18. K. Hiraide, Expansive homeomorphisms with the pseudo-orbit tracing property on compact surfaces, *J. Math. Soc. Japan* 40, 123–137 (1988).
19. K. Hiraide, Expansive homeomorphisms of compact surfaces are pseudo-Anosov, *Proc. Japan Acad. Ser A Math. Sci.* 63, 337-338 (1987).
20. K. Hiraide, On Homeomorphisms with Markov Partitions, *Tokyo J. Math.* 8, 219-229 (1985).
21. N. Aoki and K. Hiraide, The linearization of positively expansive maps of tori, *Proceedings of the Conference on the theory of dynamical systems and its applications to nonlinear problems*, World Sci. Publishing, 27-31 (1984).

下記は辞書等の出版物のリストである.

1. 岩波数学辞典第4版, 平出 耕一 (担当: 分担執筆, 範囲: 双曲力学系), 岩波書店, (2007)
2. Topological Discrete Dynamical Systems, N.Aoki and K.Hiraide, *Encyclopedia of General Topology*, Elsevier Science, 385-401 (2003).
3. スメールが選んだ18の問題 (特集 21世紀への問題), 岡 正俊, 平出 耕一, *数学セミナー* 39 卷 11 号, 日本評論社, 48-50 (2000).

また、数理解析研究所講究録に計 16 本の出版物があるが、今後の研究に関連する以下のものを除いて省略する：

1. “複素 1 次元多項式に対する正則運動 (力学系理論の最近の進展とその応用)”, K. Hiraide, *数理解析研究所講究録* **2223**, 75-87 (2022).
2. “ $C^2$  のエノン写像の力学系に現れる非線形ストークス現象 (数理科学の諸問題と力学系理論の新展開)”, K. Hiraide, *数理解析研究所講究録* **2181**, 134-144 (2021).
3. “力学系の最小スペクトルと応用 (双曲型力学系から大自由度力学系へ)”, K. Hiraide, *数理解析研究所講究録* **1688**, 144-156 (2010).