

論文リスト (List of Papers)

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査読付き論文 (Peer-reviewed papers)

- [1] N. Hamamoto, *Sharp Rellich-Leray inequality for axisymmetric divergence-free vector fields*, *Calculus of Variations and Partial Differential Equations* **58** (2019), no. 4, 149.
- [2] N. Hamamoto, *Three-dimensional sharp Hardy-Leray inequality for solenoidal fields*, *Nonlinear Analysis* **191** (2020), 111634.
- [3] N. Hamamoto, *Sharp Rellich-Leray inequality with any radial power weight for solenoidal fields*, *Calculus of Variations and Partial Differential Equations* **60** (2021), no. 2, 65.
- [4] N. Hamamoto, *A simpler expression for costin-maz'ya's constant in the hardy-leray inequality with weight*, *Archiv der Mathematik* **116** (2021), no. 5, 571–576.
- [5] N. Hamamoto, *Sharp Uncertainty Principle inequality for solenoidal fields*, *Journal de Mathématiques Pures et Appliquées* **172** (2023), 202–235.
- [6] N. Hamamoto, *A note on the 1-D minimization problem related to solenoidal improvement of the uncertainty principle inequality*, *Archiv der Mathematik* **123** (2024), no. 6, 653–662.
- [7] N. Hamamoto, *Sharp Hardy-Leray inequality for solenoidal fields*, *Journal of Functional Analysis* **287** (2024), no. 2, 110461.
- [8] N. Hamamoto, *Solenoidal improvement of Rellich-Hardy inequalities with power weights*, *Calculus of Variations and Partial Differential Equations* **63** (2024), no. 4, 84.
- [9] N. Hamamoto and F. Takahashi, *Sharp Hardy-Leray inequality for three-dimensional solenoidal fields with axisymmetric swirl*, *Communications on Pure & Applied Analysis* **19** (2020), no. 6, 3209–3222.
- [10] N. Hamamoto and F. Takahashi, *Best constant of the critical Hardy-Leray inequality for curl-free fields in two dimensions*, *Mathematical Inequalities & Applications* **24** (2021), no. 2, 399–404.
- [11] N. Hamamoto and F. Takahashi, *Sharp Hardy-Leray and Rellich-Leray inequalities for curl-free vector fields*, *Mathematische Annalen* **379** (2021), no. 1, 719–742.
- [12] N. Hamamoto and F. Takahashi, *Sharp Hardy-Leray inequality for curl-free fields with a remainder term*, *Journal of Functional Analysis* **280** (2021), no. 1, 108790.
- [13] N. Hamamoto and F. Takahashi, *A curl-free improvement of the Rellich-Hardy inequality with weight*, *Advanced Nonlinear Studies* **25** (2025), no. 4, 1204–1234.