

## 論文リスト (List of Papers)

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### 査読付き論文 (Peer-reviewed papers)

- [1] Naoki Hamamoto, *Sharp Rellich-Leray inequality with a radial power weight for solenoidal fields*, OCAMI Preprint Series 2020, to appear in Calculus of Variations and Partial Differential Equations.
- [2] Naoki Hamamoto, *A simpler expression for Costin-Maz'ya's constant in Hardy-Leray inequality with weight*, OCAMI Preprint Series 2020, to appear in Archiv der Mathematik.
- [3] Naoki Hamamoto, *Sharp Rellich-Leray inequality for axisymmetric divergence-free vector fields*, Calculus of Variations and Partial Differential Equations **58** (2019), no. 4, 149.
- [4] Naoki Hamamoto, *Three-dimensional sharp Hardy-Leray inequality for solenoidal fields*, Nonlinear Analysis **191** (2020), 111634.
- [5] Naoki Hamamoto and Futoshi Takahashi, *Best constant of the critical Hardy-Leray inequality for curl-free fields in two dimension*, Mathematical Inequalities & Applications, to appear.
- [6] Naoki Hamamoto and Futoshi Takahashi, *Sharp Hardy-Leray inequality for three-dimensional solenoidal fields with axisymmetric swirl*, Communications on Pure & Applied Analysis **19** (2020), no. 6, 3209–3222.
- [7] Naoki Hamamoto and Futoshi Takahashi, *Sharp Hardy-Leray and Rellich-Leray inequalities for curl-free vector fields*, Mathematische Annalen **379** (2021), no. 1, 719–742.
- [8] Naoki Hamamoto and Futoshi Takahashi, *Sharp Hardy-Leray inequality for curl-free fields with a remainder term*, Journal of Functional Analysis **280** (2021), no. 1, 108790.

### プレプリント (Preprints)

- [9] Naoki Hamamoto, *Sharp Hardy-Leray inequality for solenoidal fields*, OCAMI Preprint Series 2020.
- [10] Naoki Hamamoto and Futoshi Takahashi, *A curl-free improvement of the Rellich-Hardy inequality with weight*, OCAMI Preprint Series 2020.