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 Hardy-Leray inequality for solenoidal fields*, to appear in Journal of Functional Analysis.

[2] N. Hamamoto, *Solenoidal improvement of Rellich-Hardy inequalities with power weights*, Calculus of Variations and Partial Differential Equations **63**, 84 (2024).

[3] N. Hamamoto, *Sharp Uncertainty Principle inequality for solenoidal fields*, Journal de Mathématiques Pures et Appliquées **172** (2023), 202–235.

[4] 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.

[5] 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.

[6] N. Hamamoto, *A simpler expression for Costin–Maz'ya's constant in the Hardy–Leray inequality with weight*, Archiv der Mathematik (2021).

[7] 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.

[8] 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.

[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, *Three-dimensional sharp Hardy-Leray inequality for solenoidal fields*, Nonlinear Analysis **191** (2020), 111634.

[11] N. Hamamoto, *Sharp Rellich-Leray inequality for axisymmetric divergence-free vector fields*, Calculus of Variations and Partial Differential Equations **58** (2019), no. 4, 149.

プレプリント (Preprints)

[12] N. Hamamoto and F. Takahashi, *A curl-free improvement of the Rellich-Hardy inequality with weight*, OCAMI Preprint Series 2020, arXiv:2101.01878 [math.AP].