

Soret Facet成果更新リスト（成果評価以降）

- M. Tomaru, T. Osada, I. Orikasa, S. Suzuki, Y. Inatomi, *Analysis Method Using Two-Wavelength Mach-Zehnder Interferometer for the Measurement of Soret Coefficients in Soret-Facet Mission on ISS*, *Microgravity Sci. Technol.*, **31** (2019) 49. (IF=1.982 (2020/2021))(一波長独立解析の提案)
- I. Orikasa, T. Osada, M. Tomaru, S. Suzuki, Y. Inatomi, *Improvement in Phase Analysis using Spatio-Temporal Images for Soret coefficient measurement*, *Int. J. Microgravity Sci. Appl.*, **36** (3) (2019) 360306. (輝度法の提案)
- I. Orikasa, T. Odajima, K. Tominaga, S. Suzuki, *Machine Learning of Phase Analysis-Unwrapping Procedure for Time Series of Interference Fringe Intensity*, *Int. J. Microgravity Sci. Appl.*, **38** (4) (2021) 380401. (機械学習による位相解析の提案)
- K. Tominaga, I. Orikasa, M. Tomaru, T. Osada, Y. Hashimoto, Y. Inatomi, S. Suzuki, *Diffusion coefficient analysis method using data statistical processing to reduce interference fringe noise effects*, *AIChE J.*, (2021) e17497. (IF=3.993(2021/2022)) (Soret 係数測定実験を利用した拡散係数測定)
- I. Orikasa, T. Osada, S. Suzuki, Y. Inatomi, I. Ueno, *Natural convection induced by unintended horizontal temperature distribution in a narrow-closed container heated from above*, *Int. J. Heat Mass Transf.*, **183** (2022) 122018. (IF=5.584(2021/2022))(地上での Soret 係数測定における浮力対流の大きさと試料容器寸法との関係)