

論文リスト

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① 学術論文 (査読付き) (4編)

- (1) K. Wada, “Effect of small heat release and viscosity on thermal-diffusive instability”, *Sci. Rep.* **11**:20225(1), pp.1-22, 2021.
- (2) K. Wada, “Lambert W function for effect of gas compression on premixed flames with ignition temperature approximation”, *Combust. Theory Model.* **25** (3), pp.542-569, 2021.
- (3) K. Wada, Y. Fukumoto, “Compressibility Effect on Markstein Number for a Flame Front in Long-Wavelength Approximation”, 2019-20 MATRIX Annals **4**, pp.329-350, 2021.
- (4) K. Hirose, K. Wada, M. Hori, R Taniguchi, “Event Effects Estimation on Electricity Demand Forecasting”, *Energies* **13**, 5839, 2020.

② 著書、総説など

なし

③ 国際会議発表論文 (査読付き) (6編)

- (1) Y. Fukumoto, K. Wada, “Compressibility effect on vorticity production and Darrieus-Landau instability of a premixed flame front”, 25th International Congress of Theoretical and Applied Mechanics, O107320-FM16, 2021.
- (2) Y. Fukumoto, K. Wada, S. Abarzhi, “Effect of compressibility on laminar flame speed and its influence on the Darrieus-Landau instability of a planar front of premixed flame”, 72nd Annual Meeting of the APS Division of Fluid Dynamics **64**, H06.00002, 2019.
- (3) K. Wada, Y. Fukumoto, “Laminar Flame Speed and Quenching of a Premixed Flame Front in Compressible Flow”, 16th International Conference on Flow Dynamics, USB flash memory (OS2-48), 2019.
- (4) K. Wada, Y. Fukumoto, “Effect of compressibility on laminar flame speed and its stabilizing effect on Darrieus-Landau instability of a premixed flame front”, 12th Asia-Pacific Conference on Combustion, USB flash memory (OS4-06), 2019.
- (5) Y. Fukumoto, K. Wada, S. Abarzhi, “Compressibility effect on volumetric heat loss and its influence on the Darrieus-Landau instability of a planar front of premixed flame”, 71st Annual Meeting of the APS Division of Fluid Dynamics **63**, L02.00006, 2018.
- (6) Y. Fukumoto, K. Wada, S. Abarzhi, “Generation of Vorticity and its Influence on the Stability of a Premixed Flame Front of a Compressible Flow”, 15th International Conference on Flow Dynamics, USB flash memory (OS15-5), 2018.

④ 学位論文 (1編)

- (1) 和田啓吾 「Effect of compressibility on volumetric heat loss and Darrieus-Landau instability of a premixed flame front」 (九州大学大学院数理学府)、2019年3月、97頁。

⑤ プレプリント (3編)

- (1) K. Wada, “Formula of Laminar Flame Speed Coupled with Differential Equation for Temperature in Low-Mach-Number Model”.
- (2) K. Wada, Y. Fukumoto, “Effect of Compressibility on Heat-loss and Darrieus-Landau Instability of a Premixed Flame”, MI Preprint Series, MI 2018-2, 2018.
- (3) K. Wada, Y. Fukumoto, “ M^2 expansion for effect of compressibility on Darrieus-Landau instability of a premixed flame”, MI Preprint Series, MI 2017-7, 2017.