

研究成果報告書 (掲載期間 2023.11.1－2024.10.31)

審査学術論文

- (1) Masahiro Hagino, “Development of Machining Device with Real-Time Visualization of Boundary Surface on Tool Rake Face and Cutting Chip”, International Journal of Automation Technology, Vol.18, No.3, (2024), pp.352-357
- (2) Kazushige Tokuno, Takayuki Yonezawa, Genichi Shigesato, Hideo Tsutamori, Masahiro Hagino, “Surface Relief Formation of Cyclic-Loaded Coarse-Grained Aluminum Polycrystals with Point Defect Clusters”, Journal of Materials Transactions, Vol. 65, No. 5, (2024) , pp502-511
- (3) Ryoto Yamada, Ryuta Kamiya, Keito Nagata, Lu Dewei, Takashi Inoue and Masahiro Hagino, “Relationship between Flow Field of Cutting Edge and Chip Dispersal during CFRP Drilling”, Journal of Advances in Science and Technology, Vol. 139, (2024), pp.25-30

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- (1) 杣谷啓, 岡部貴雄, 萩野将広, 真空対応静圧軸受の静特性に関する数値的検討, 日本機械学会第15回生産加工・工作機械部門講演会, 2024年10月, 福島
- (2) 萩野将広, 永田恵都, 井上孝司, S55Cの黒皮の被削性に関する基礎的研究-黒皮が工具摩耗に与える影響-, 材料とプロセス Vol. 37, No. 2, (2024), pp. 582, 日本鉄鋼協会, 第188回秋季講演大会, 2024年9月, 大阪
- (3) Takshi Inoue, Masahiro Hagino, Kei Somaya, Yuya Aoki and Wataru Aoki, “Dressing Effect of High Melting Point Type Materials on Resin-Base Grinding Wheel”, 2024 International Conference on Machining, Materials and Mechanical Technologies, paper S2-29, 2024年9月, ベトナム
- (4) Reo Hanaki, Takashi Inoue, Kei somaya, Hiroshi Usuki, Yuya Aoki, Masahiro Hagino, “Effect of Cutting Temperature to Material Deformation and ResidualStress after Face Milling”, 2024 International Conference on Machining, Materials and Mechanical Technologies, paper S1-16, 2024年9月, ベトナム
- (5) T. Deguchi, T. Yamada, K. Taki, M. Hagino and Y. Maeda, “Boundary Condition and Fluidity in Mold Filling of Aluminum Alloy” The 16 th Asian Foundry Congress, (2023), paper No.2C12, 2023年12月, 北海道

大規模プロジェクト

- (1) 萩野将広：日本鉄鋼協会, 研究会 I, 炭素鋼における切削現象の系統的再解明, 幹事, 2022～