Bulletin

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1 Development of metal forming process and microstructure control for aluminum alloy bolt

MORISHITA Yuki, NAGAOKA Takashi, FUYAMA Nobuyuki, YOKOTA Koichi, SHIMOKAWA Shinya and KATSUYAMA Jingi

2 Development of 3D additive manufacturing large CFRP molding die that can heat and cool at high speed and evenly

OKAWA Masami, MATSUBA Akira, YANAGIDA Daiki, KITANO Koichi and ISHIDA Kohei

3 Development of Machining Error Prediction System for Barrel Lenz Tools

HIMEMIYA Kazuki, NISHIKAWA Takatoshi, MAETA Keiji and Kubota Shoya

4 Study of shape parameters contributing to cutting performance of a steel file using load curve data

FUJIMOTO Naoya, FUYAMA Nobuyuki, NAGAOKA Takashi and ISHIMOTO Yousuke

5 Prototype and study of oyster agricultural rafts using recyclable materials

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6 Quantitative analysis of oleic acid in kerosene by FTIR-ATR

OHASHI Toshihiko

7 Evaluation of mixed mode fracture toughness of adhesively bonded CFRP joints with consideration of material nonlinearity

KOUNO Yousuke, IMANAKA Makoto, HARA Keisuke and FUKUCHI Yusuke

8 Development of NC milling simulator for chatter vibration

NISHIKAWA Takatoshi, HIMEMIYA Kazuki and KIKUTA Keiichi

9 The molecular structural analysis of the plastic plate treated by photochemical surface modification, using the infrared microspectroscopy

KOJIMA Hiroharu, NOJIRI Hidetoshi and OKOSHI Masayuki

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10 Estimation of surface heat transfer coefficient by cooling of heated copper plate

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11 Development of the method to evaluate the heat insulation performance using thermopile

HASEGAWA Koji and TSUTSUMOTO Takahiro

12 Sub-micron size X-ray Tomography of bamboo and volcanic ash

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13 Trial of finding the Parameters used AFM Image Characterization

OHASHI Toshihiko

 $14 \quad {\rm Efforts \ for \ equipment \ monitoring \ using \ IoT \ technology}$

HIMEMIYA Kazuki, KODAMA Ryu and MURAKAWA Akitoshi

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