

ICPE2020 Best Paper Award

- B-1-10 Application of Metal Cutting Process to Improvement of High Performance Stainless Steel
Fumihisa Nagashima¹, Yuki Nakagawa¹, Masahiko Yoshino¹
1.Tokyo Institute of Technology
- B-2-9 Accurate Estimation of Workpiece Dimension in Plunge Grinding without Sizing Gauge
Takashi Onishi¹, Yuki Murata¹, Kohei Fujiwara¹, Moriaki Sakakura², Kazuhito Ohashi¹
1.Okayama University 2.Daido University
- B-4-6 Effects of Ultrasonic Vibration on Slurryless Electrochemical Mechanical Polishing of 4H-SiC (0001) Surface
Xiaozhe Yang¹, Xu Yang¹, Kentaro Kawai¹, Kenta Arima¹, Kazuya Yamamura¹
1.Osaka University
- C-1-12 Reduction of the Influence on Machining Surface Caused by Tool Non-repeatable Run-out of Rolling Bearing Spindle for Machine Tools
Yuta Showa^{1,2}, Hayato Yoshioka²
1.Makino Milling Machine CO., LTD. 2.Tokyo Institute of Technology
- C-2-3 Impulse-driven Capsule for Medical Inspection
Yuichiro Kawashima¹, Kenta Asai¹, Shotaro Watanabe¹, Takahiro Ito¹, Sunao Murakami¹, Kaoru Karasawa², Chihiro Katsuta², Akane Tanaka², Hiromu Kutsumi³
1.Kyushu Institute of Technology 2.Tokyo University of Agriculture and Technology 3.Shiga University of Medical Science
- D-1-1 Measurement of Molar Concentration Spectrum for Nanoparticle with Multi-modal Nanoparticle Size Distribution using Nanoparticle Chip
Jiaqing Zhu¹, Terutake Hayashi¹, Syuhei Kurokawa¹
1.Kyushu University
- P-25 Development of X-ray Adaptive Focusing Optics with Four Mirrors Deformable between Concave and Convex Shapes
Yuka Nishioka¹, Hiroyuki Yamaguchi¹, Satoshi Matsuyama¹, Junki Sonoyama², Kazuteru Akiyama², Hiroki Nakamori³, Yasuhisa Sano¹, Yoshiki Kohmura⁴, Makina Yabashi⁴, Tetsuya Ishikawa⁴, Kazuto Yamauchi¹
1.Osaka University 2.TOYAMA 3.JTEC Corporation 4.RIKEN/SPRING-8
- D-4-4 Development of 3D Topography Acquisition System for Abrasive Grains based on Deep Learning
Hirotaka Ojima¹, Liu Yinglong¹, Libo Zhou¹, Jun Shimizu¹, Teppei Onuki¹
1.Ibaraki University