

OS12 Micro / Nano systems

OS12-01 Miniaturized peristaltic pipe travelling robot capable of moving in the 30mm diameter pipe

Yujie Shi, Masato Muzukami, Naohiko Hanajima and Yoshinori Fujihira

Muroran Institute of Technology

OS12-02 Molding of dissolving microneedle arrays

Yuusei Takaki, Harunori Takei, Natsumi Amano, Takahiro Ito, Sunao Murakami, Tomohiro Hikima, Hirotsada Tsubaki, Masaaki Matsuo, Masaya Hara, Yasunori Tashiro and Takahiro Oniki

Kyushu Institute of Technology

OS12-03 Impulse-Driven Traveling Capsule Endoscope

- Wireless Power Supply Position Control -

Kenji Miyauchi, Kohei Fujita, Takahiro Ito, Sunao Murakami and Toshihiro Kimura

Kyushu Institute of technology

OS12-04 Mechanical behavior of nanoclay/polyester composite coatings for pre-coated metal sheets

Weikang Lin, Grant Edwards, Shuning Song, Michael Heitzmann, Darren Martin, Mingyuan Lu, Lisbeth Grøndahl and Han Huang

The University of Queensland

OS12-05 Impedance Matching Between a Waveguide and a Transmission Line Using a Flexible Conductive Membrane Micro-actuator for Beyond 5G/6G

Communication

Chao Qi, Sangyeop Lee and Tadahiko Shinshi

OS12-06 High Thermal Stability Design Method for a Dualaxis Photoelectric Level

Yong-Jun Wang, Rui-Jun Li, Wan Fang and Peng-Hao Hu

OS12-07 Analysis of Minimization-Conscious Colonoscope Insertion Device

Yuichi Nakazato, Naoki Takahashi, Taisei Furukawa, Hikari Kyushiki, Kensuke Takita and Masaru Higuchi

Nippon Institute of Technology

OS12-08 Development of a two-dimensional large-stroke nanopositioning table

Jie Li, Rui-Jun Li, Qiang-Xian Huang and Yi Hu

Hefei university of technology

OS12-09 An Ultra-Thin Variable Aperture Mechanism
Using a Micro Flat Motor with a Multi-Pole Ring Magnet
Keita Nagai, Riku Fukazawa, Yu Okawara, Haruhiro
Komura and Tadahiko Shinshi
Tokyo Institute of Technology