

Poster Session 13:10-14:20

- 1. Highly-orientated multi-layered MOF nanosheet crystals with triphenylene-derivatives at air/liquid interfaces**
OT. Ohata, R. Makiura
- 2. Fabrication of hydrophilic/hydrophobic interfaces in nanochannels for molecular manipulation**
OH. Kawagishi, S. Kawamata, Y. Xu
- 3. Digital nanochannels with novel phospholipid monomer interfaces for single molecule counting**
OT. Fujimoto, Q. Wu, Y. Xu
- 4. Interpretation of RIXS and RIXS-MCD by the ab-initio relativistic configuration interaction method**
OH. Ikeno, M. Urasaki
- 5. Effective Mass of Two-dimensional Electrons in InGaAsN/GaAsSb Type II Quantum Well**
OS. Kawamata, A. Hibino, S. Tanaka, Y. Kawamura
- 6. Exfoliation of tungstic acid using tetramethylammonium hydroxide**
OT. Moriya, T. Takada, M. Iida, M. Togo, and A. Nakahira
- 7. Synthesis and Evaluation of Iron doped ZIF-8 using ethanol:water mixed solvent**
OT. Ujike, T. Minami, A. Nakahira
- 8. Effect of urea addition on TS-1 zeolite microstructure for low cost synthesis**
OT. Sakuma, T. Minami, M. Togo, and A. Nakahira
- 9. Characterization of Furfural Resin- and Phenol Resin-Based Active Carbon Surfaces and Electric Double Layer Capacitor Properties**
OS. Suzuki, T. Nakazawa, N. Okamoto, T. Saito, I. Ide, M. Nishikawa, Y. Onishi
- 10. Quantum capacity of graphene oxide with acidic functional groups by first principles calculation**
T. Saito, OB. Li, and N. Okamoto
- 11. Control and sensing platform for 3D tissue culture by hybrid gel cube device**
OR. Nobata, M. Hagiwara
- 12. Elucidation of cellular behavior system toward controlling tissue pattern formations**
OM. Marumoto, M. Hagiwara
- 13. Scanning SQUID Microscopy for taking a Vector Magnetic Field**
OV. T. Dang, M. Toji, A. Ito, Y. Ninomiya, S. Miyajima, H. T. Huy, H. Shishido, M. Kato, M. Hidaka, M. Hayashi and T. Ishida
- 14. High-pressure Synthesis and Oxygen Evolution Catalysis of Perovskite-type Oxides with Unusual High-valence Ions**
OK. Asai, I. Yamada, A. Takamatsu, H. Ikeno, S. Yagi
- 15. Gate- and Substrate-Controlled Surface Chemical Reaction of Graphene**
OR. Nouchi and K. Ikeda
- 16. Recent Progress of high-Q photonic nanocavity devices**
OY. Takahashi
- 17. Cancer Cell Detection with Molecularly Imprinted Polymer Technology**
OR. Kawaguchi, K. Numata, M. Tamura, I. Nakase, T. Iida, S. Tokonami
- 18. Multi-Pore Polymer Substrate with Condensed Bacteria for Novel Electric Device**
OS. Kurita, Y. Nishimura, Y. Yamamoto, O. Karthaus, T. Iida, S. Tokonami
- 19. Cyanobacterial Trapping by Photothermal Convection**
OR. Yoshikawa, S. Kurita, Y. Nishimura, Y. Yamamoto, O. Karthaus, T. Iida, S. Tokonami
- 20. Development of Light-induced Acceleration System of Biochemical Reactions**
OT. Iida, S. Tokonami, I. Nakase
- 21. Magnetic textures in the ferromagnetic metallic and charge-ordered insulating phases of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$**
OA. Kotani, Y. Ishii, S. Mori
- 22. Magnetic microstructure of large magnetostrictive FeGa alloy**
OA. Kawaguchi, A. Kotani, Y. Ishii, H. Numakura, S. Mori
- 23. Luminescence property and microstructure of SrAl_2O_4**
OH. Hirano, Y. Ishii, S. Mori
- 24. Ionic conductivity and crystallization process in the $\text{Li}_2\text{S}-\text{P}_2\text{S}_5$ glass electrolyte**
OH. Tsukazaki, S. Mori, A. Hayashi, M. Tatsumisago
- 25. Structure evaluation of $75\text{Li}_2\text{S}-25\text{P}_2\text{S}_5$ glass electrolyte in the positive electrode by TEM**
OY. Mori, H. Tsukazaki, S. Mori, A. Hayashi, M. Tatsumisago
- 26. Unique structural fluctuation of $\text{Ba}_{1-x}\text{Sr}_x\text{Al}_2\text{O}_4$ by TEM**
OY. Ouchi, Y. Ishii, S. Mori
- 27. Multifunctional surface designed by nanocomposite coating of fluoropolymer and TiO_2 photocatalyst: self-cleaning and superhydrophobicity**
OT. Kamegawa, K. Irikawa, H. Yamashita
- 28. Investigations on the unique functions of CaSi_2 with flower-like structure for application to water purification**
OR. Katsumi T. Kamegawa
- 29. Synthesis of flower-like structured FeSi_2 and its application to catalytic reactions**
OT. Minami, T. Kamegawa
- 30. Design and application of binary silica colloidal crystals for synthesis of porous carbon materials**
OZ. Pu, S. Shiraishi, M. Matsuoka, Y. Sakamoto, T. Kamegawa
- 31. Form birefringent polarization converter for square-hole laser drilling**
OY. Takahashi, Y. Migita, A. Mizutani, Y. Hirai, H. Kawata, W. Watanabe, H. Kikuta
- 32. Optical gain of nanocavity Raman silicon lasers studied by Raman-lasing-excitation spectroscopy**
OD. Yamashita, Y. Takahashi



THE 11TH NanoSquare Workshop

December 17, 2017 9:10-16:25

Entrance :Free

Venue :Global Commons, I-wing Nakamozu, Bldg. 17, OPU

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9:10	Opening	11:45	Development of ultralow threshold Raman silicon nanocavity laser
9:15	Opening Remarks Ishii M Executive Director, Vice President (Education and Research) , OPU		Takahashi Y Graduate School of Engineering, OPU
9:20	Osaka Prefecture University launched the NanoSquare Research Institute to reinforce the Research Activity Ishida T Program Officer Director of NanoSquare Research Institute, OPU	13:10	Poster Session
9:45	Anomalous magnetic oscillations in non-centrosymmetric metals Harima H Graduate School of Science, Kobe University	14:40	High speed neutron imaging system using a delay-line current biased kinetic inductance detector Shishido H Graduate School of Engineering, OPU
10:10	Photo- and Conducting Functionalities of the D-A type Tetrathiafulvalene Dyads Fujiwara H Graduate School of Science, OPU	15:05	Student and faculty career counseling at UT Arlington Magnusson R University of Texas at Arlington
10:55	Chiral responses in magnetism and plasmonics Togawa Y Graduate School of Engineering, OPU	15:30	Coordination and promotion of top research at KU Leuven Moshchalkov V Catholic University of Leuven
11:20	Electron microscopy of beam sensitive materials at the atomic and mesoscale Sakamoto Y IMRAM	15:55	Overall Review and Summary Che M Pierre and Marie Curie University Maekawa S Japan Atomic Energy Agency
		16:20	Closing Ishida T Program Officer Director of NanoSquare Research Institute, OPU

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