

1	Electrically-induced ultrafast spin wave in rare-earth garnet ferrite with an asymmetric epitaxial stress	M. Adachi, H. Yamahara, H. Nasu, M. Seki, H. Matsui, and H. Tabata	University of Tokyo
2	Highly spin-polarized current in Co-substituted Fe ₃ O ₄ epitaxial thin films at room temperature and construction of magnetic tunnel junction device	M. Takahashi, H. Yamahara, M. Seki, and H. Tabata	University of Tokyo
3	Focal contact of single cells sensed by array of optical nanoantennas	Alejandro Portela ¹ , Christian Santschi ² , Horacio Cabral ¹ , Kazunori Kataoka ¹ , Olivier J. F. Martin ² , Hotoshi Tabata ¹	(1) The University of Tokyo (2) EPFL
4	Visible Si-LED with lateral pn junction for efficient light extraction	M. Yamaguchi, T. Kawazoe, M. Ohtsu	University of Tokyo
5	Ultralow-threshold current density Si lasers using dressed photons	H. Tanaka ¹ , T. Kawazoe ¹ , M. Ohtsu ¹ , K. Akahane ²	(1) University of Tokyo (2) NICT
6	GaP homojunction LEDs fabricated by dressed-photon-phonon assisted annealing	Jun Hyoung Kim, Tadashi Kawazoe, and Motoichi Ohtsu	University of Tokyo
7	Direct imaging of Functional Single Dopants in Nitrides	R. Ishikawa ¹ , A.R. Lupini ² , S.D. Findlay ³ , T. Taniguchi ⁴ , S.J. Pennycook ⁵ , N. Shibata ¹ and Y. Ikuhara ¹	(1) University of Tokyo, Japan (2) Oak Ridge National Laboratory (3) Monash University (4) NIMS (5) The University of Tennessee
8	Atomic-scale Magnet Formed along the One-dimensional Defective Structure in Antiferromagnetic Material	Issei Sugiyama ^{1*} , Naoya Shibata ^{1,2} , Takahisa Yamamoto ^{1,3,4} , Yuichi Ikuhara ^{1,4,5}	(1) University of Tokyo (2) PRESTO JST (3) Nagoya University (4) Japan Fine Ceramics Center (5) Tohoku University
9	Observation of the DNA dynamics near silicon nanopores by ultraviolet light	Hirohito Yamazaki	Keio University
10	Emission energy control of semiconductor quantum dots using phase change mask and its applications	Shohei Kanazawa	Keio University
11	High voltage operation of diamond JFETs and formation of single NV centers toward detecting power device properties	T. Iwasaki and M. Hatano	Tokyo Institute of Technology
12	Deep-level states and defect states in silicon carbide	T. Kodera and M. Hatano	Tokyo Institute of Technology
13	Abiotic Synthesis of Biomolecules in Modified Miller-Urey Experiment Mimicking Surface Environment of the Primordial Earth	Arie Senda (1), Masashi Aono (1,2), Taka-aki Yano (1,2), Tomohiro Hayashi (1,2) and Masahiko Hara (1,2)	(1) Tokyo Institute of Technology (2) RIKEN
14	Thermal degradation process of self-assembled monolayers of thiol and isocyanide derivatives on gold	Azuho Tsunoi (1), Masahiro Oguchi (1), Jaegeun Noh (2), Taka-aki Yano (1,3), Masahiko Hara (1,3) and Tomohiro Hayashi (1,3)	(1) Tokyo Institute of Technology (2) Hanyang University (3) RIKEN
15	3D nano-optical mapping of photoluminescence from plasmonic nanostructures	Yuta Tsuchimoto, Taka-aki Yano (1,2), Tomohiro Hayashi (1,2) and Masahiko Hara (1,2)	(1) Tokyo Institute of Technology (2) RIKEN
16	Control of Optical Response of Supported Nanoclusters at a Dielectric Interface	Kenji Iida, Masashi Noda, Katsuyuki Nobusada	Institute for Molecular Science
17	Plasmonic Hybrid Cavity-Channel Structure for Tunable Narrow-Band Optical Absorption	Ya-Lun Ho(1), Agnieszka Gwiazda(2), Gilles Lerondel(2) and Jean-Jacques Delaunay(1)	(1) University of Tokyo (2) Université de technologie de Troyes
18	Effective light concentration in gold short nanosphere chain on platinum mirror for surface-enhanced Raman scattering	Yaerim Lee(1), Minoru Abasaki(1), Alejandro Portela(1) and Jean-Jacques Delaunay(1)	University of Tokyo