

Program of Poster Session

November 13(Wed) 17:20-18:50 [Room D]

- P01 Spatial and temporal dynamics of thermal diffusion in clathrate compounds
Keisuke SHAKU, Yoshiki OISHI, Koichiro SUEKUNI, Takahiro ONIMARU, Toshiro TAKABATAKE, Toshiro KOHMOTO (Kobe University, Kyushu University, Hiroshima University, Japan)
- P02 Directional assembling and scattering of gold nanoparticles tuned by incident angle of trapping laser
Chih-Hao HUANG, Tetsuhiro KUDO, Hiroshi MASUHARA (National Chiao Tung Univ, Taiwan)
- P03 Levitating magnetically polarized nanoparticles over a metal surface
Jack J. KINGSLEY-SMITH, Michela F. PICARDI,
Francisco J. RODRÍGUEZ-FORTUÑO (King's College London, UK)
- P04 First-principles study for interaction of pulsed light with thin materials
Shunsuke YAMADA, Masashi NODA, Katsuyuki NOBUSADA, Kazuhiro YABANA (University of Tsukuba, Institute for Molecular Science, Japan)
- P05 Photochromic response of Fano resonant multilayer structure containing a photochromic layer
Kengo MOTOKURA, Byungjun KANG, Minoru FUJII, Shinji HAYASHI (Kobe University, Japan, Moroccan Foundation for Advanced Science, Morocco)
- P06 Fast three-dimensional particle tracking and its application to optical trapping of nanoparticles
Boris LOUIS, Roger BRESOLÍ-OBACH, Rafael DEJAY CAMACHO, Sergey ABAKUMOV, Chih-Hao HUANG, Tetsuhiro KUDO, Hiroshi MASUHARA, Johan HOFKENS (KU Leuven, Belgium, Lund University, Sweden, National Chiao Tung University, Taiwan)
- P07 Refractive index variation of quantum plasmonic metasurface with sub-nm gaps
Takashi TAKEUCHI, Masashi NODA, Kazuhiro YABANA (University of Tsukuba, Japan)
- P08 Investigation of superscattering property of cylindrical hyperbolic metamaterials by means of effecti
Rahul KUMAR, Kotaro KAJIKAWA (Tokyo Institute of Technology, Japan)
- P09 MIM structures with Platinum fabricated with a bottom-up process and their optical properties
Mai MITA, Takayuki OKAMOTO, Toshihiro ISOBE, Akira NAKAJIMA, Sachiko MATSUSHITA (Tokyo Institute of Technology, RIKEN, Japan)

- P10 Electrochemically controlled strong coupling system using surface lattice resonance
Hiro MINAMIMOTO, Shunpei OIKAWA, Takahiro HAYASHI, Kei MURAKOSHI (Hokkaido University, Japan)
- P11 Influences of initial population density to generate superfluorescence from biexcitons in CuCl quantum dots
Kensuke MIYAJIMA, Kohei KAWAMURA, Tomoharu YOSHIDA, Jun ISHIHARA, Akira ISHIKAWA (Tokyo University of Science, University of Yamanashi, Japan)
- P12 Direct wave vector excitations of silicon with optical near fields
Masashi NODA, Kenji IIDA, Maiku YAMAGUCHI, Takashi YATSUI, Katsuyuki NOBUSADA (University of Tsukuba, Institute for Molecular Science, The University of Tokyo, Japan)
- P13 Light-induced assembling by bubble-mimetic substrate for biological samples without damage
Kota HAYASHI, Yasuyuki YAMAMOTO, Mamoru TAMURA, Shiho TOKONAMI, Takuya IIDA (Osaka Prefecture University, Japan)
- P14 Laser trapping and swarming of gold nanoparticles with gold nanodisks patterned on the glass substrat
Ya-Chiao LEE, Chih-Hao HUANG, Tetsuhiro KUDO, Shi XU, Kosei UENO, Hiroaki MISAWA, Hiroshi MASUHARA (National Chiao Tung University, Taiwn, Hokkaido University, Japan)
- P15 4D STEM-CL : nanoscopic field mapping with simultaneous angle- and energy-resolved cathodoluminescenc
Taeko MATSUKATA, Takumi SANNOMIYA (Tokyo Institute of Technology, Japan)
- P16 Investigation of isotopic effect for plasmon induced cathodic reaction
Daiki SATO, Hiro MINAMIMOTO, Kei MURAKOSHI (Hokkaido University, Japan)
- P17 Engineering directional scattering of Mie resonator
Tatsuki HINAMOTO, Mikihiko HAMADA, Hiroshi SUGIMOTO, Minoru FUJII (Kobe University, Japan)
- P18 Colloidal silicon nanoresonators for all-dielectric photonics
Hiroshi SUGIMOTO, Tatsuki HINAMOTO, Minoru FUJII (Kobe University, Japan)
- P19 Optical vortex enables helical mass-transport of azo-polymers via two photon absorption
Keigo MASUDA, Ryo SHINOZAKI, Mitsuki ICHIJO, Keisaku YAMANE, Kouhei TOYODA, Katsuhiko MIYAMOTO, Takashige OMATSU (Chiba University, Hokkaido University, Japan)
- P20 Diffusion of plasmonic nanoparticles under optical force
Yoshio NISHIYAMA, Hirohisa NAGATANI (Kanazawa University, Japan)
- P21 Double-beam laser trapping of micrometer-sized droplets in air
Yuta TANAKA, Shoji ISHIZAKA (Hiroshima University, Japan)

- P22 Interaction optical torque between twisted nanorods with plasmon hybridization
An'an WU, Yoshito Y. TANAKA, Ryoma FUKUHARA, Tsutomu SHIMURA (The University of Tokyo, Japan)
- P23 Relationship between optical trapping dynamics of neurotransmitter receptor and neuronal electrical activity
Tatsunori KISHIMOTO, Suguru N. KUDOH, Takahisa TAGUCHI, Chie HOSOKAWA (Osaka City University, Kwansai Gakuin University, National Institute of Information and Communications Technology, AIST, Japan)
- P24 Transverse plasmonic torque on nanostructures
Ryoma FUKUHARA, Yoshito TANAKA, Tsutomu SHIMURA (The University of Tokyo, Japan)
- P25 Enhancement of photoluminescence from CdSe/ZnS thin layers by localized and propagating surface plasmon resonance
Toshiki NAKAMURA, Tetsuya MATSUYAMA, Kenji WADA, Koichi OKAMOTO (Osaka Prefecture University, Japan)
- P26 Fabrications of spiral electrodes by optical vortices and applications to micro-machined cochlear devices
Hiroki YAMAZAKI, Kichitaro NAKAJIMA, Kentaro DOI, Satoyuki KAWAN (Osaka University, Japan)
- P27 Highly efficient Bessel beam generation based on all-dielectric metasurface
Heonyeong JEONG, Inki KIM, Junsuk RHO (POSTECH, Korea)
- P28 Maximum circular dichroism induced by geometrical parameters in twisted layered chiral metamaterials
Younghwan YANG, Junsuk RHO (POSTECH, Korea)
- P29 Anomalous enhancement of superfluorescence controlled by spatial configurations of quantum emitters and metallic structures
Hirofumi SHIRAKI, Nobuhiko YOKOSHI, Hajime ISHIHARA (Osaka Prefecture University, Osaka University, Japan)
- P30 Raman laser oscillation in a Silicon High-Q Nanocavity fabricated by CMOS compatible process
Takamasa YASUDA, Makoto OKANO, Minoru OHTUKA, Miyoshi SEKI, Nobuyuki YOKOYAMA, Yasushi TAKAHASHI (Osaka Prefecture University, AIST, Japan)
- P31 Specromicroscopic observation in photoinduced force microscopy under ultrahigh vacuum
Junsuke YAMANISHI, Tsuji MASAOKI, Naitoh YOSHITAKA, Yan Jun LI, Sugawara YASUHIRO (Institute for Molecular Science, Osaka University, Japan)
- P32 Concentration evaluation of micro- and nanoparticles by laser-induced thermophoresis
Tetsuro TSUJI, Satoyuki KAWANO (Kyoto University, Osaka University, Japan)

- P33 Circular dichroism microscopic imaging for analysis of local chirality
Tetsuya NARUSHIMA, Hiromi OKAMOTO (Institute for Molecular Science, Japan)
- P34 Singular chiroplasmonic nanoparticle for strong optical activity
Hyo-Yong AHN, Shun HASHIYADA, Tetsuya NARUSHIMA, Hye-Eun LEE, Ki Tae NAM, Hiromi OKAMOTO (Institute for Molecular Science and National Institutes of Natural Sciences, Japan, Seoul National University, Korea, The Graduate University for Advanced Studies, RIKEN, Japan)
- P35 Plasmonic color tuning using random Ag nano-hemispheres on mirror
Ryo HASEGAWA, Toshiki NAKAMURA, Fumiya MURAO, Tetsuya MATSUYAMA, Kenji WADA, Koichi OKAMOTO (Osaka Prefecture University, Japan)
- P36 Modification of photon force by using excited-state absorption
Mizuki HAYASAKA, Naoki IDE, Masafumi KOGA, Hikaru SOTOME, Syoji ITO, Hiroshi MIYASAKA (Osaka University, Japan)
- P37 Optical tweezers combined with Raman Microspectroscopy for concentration analysis of thermoresponsive vinyl ether polymers
Jie LU, Kayo FUJIWARA, Tatsuya SHOJI, Yasuyuki TSUBOI (Osaka City University, Japan)
- P38 Liquid/liquid interface-assisted (LiLiI) optical tweezers for micro-assembly formation of polystyrene nanospheres
Tatsuya SHOJI, Daiki YAMANISHI, Yasuyuki TSUBOI (Osaka City University, Japan)
- P39 Optical-force-induced assembly formation of polystyrene nanospheres on black silicon and black titanium
Sawa KOMOTO, Tatsuya SHOJI, Yuki UENOBO, Saulius JUODKAZIS, Yasuyuki TSUBOI (Osaka City University, Japan, Swinburne University of Technology, Australia)
- P40 Nano-structured semiconductor-assisted (NASSCA) optical tweezers for direct manipulation of DNA
Ryota TAKAO, Tatsuya SHOJI, Yasuyuki TSUBOI (Osaka City University, Japan)
- P41 Numerical demonstration of the rotating alignment of multiple nanoparticles around single focal laser spot
Yukihiro TAO, Tomohiro YOKOYAMA, Hajime ISHIHARA (Osaka University, Japan)
- P42 Computer simulation of AI aided single molecule analysis based on optical tweezer
Takeru NAKATANI, Satoyuki KAWANO (Osaka University, Japan)
- P43 Radiation control of SHG signal from tailored plasmonic nanostructures
Tomoya KIMURA, Yoshito Y. TANAKA, Tsutomu SHIMURA (The University of Tokyo, Japan)

- P44 Theory of localized surface plasmon resonance including self-consistent coupling of longitudinal and transverse field components
Masayuki IIO, Tomohiro YOKOYAMA, Takeshi INAOKA, Hajime ISHIHARA (Osaka Prefecture University, Osaka University, Japan)
- P45 Core-shell plasmonic metamaterials incorporating transition metal oxides for sensing applications
Anastasiia ZALESKA, Francesco LOTTI, William P. WARDLEY, Anatoly V. ZAYATS, Wayne DICKSON (King's College London, UK)
- P46 Optical force on trapped nanoparticles beyond a single focal laser: Numerical simulation and modeling
Tomohiro YOKOYAMA, Yukihiro TAO, Tomoki MATSUURA, Ishihara HAJIME (Osaka University, Osaka Prefecture University, Japan)
- P47 Near-field chirality of a metallic surface coupled with molecules
Hikaru YONEJI, Nobuhiko YOKOSHI, Hajime ISHIHARA (Osaka Prefecture University, Japan)
- P48 Theory of super-resolution trapping of nanoparticles at glass-water interface
Syu TAKEYAMA, Takudo WADA, Hajime ISHIHARA (Osaka Prefecture University, Osaka University, Japan)
- P49 Synchronized dynamics of optomechanical systems with one-dimensionally arrayed cavities
Sho TAMAKI, Tomohiro YOKOYAMA, Hajime ISHIHARA (Osaka University, Osaka Prefecture University, Japan)
- P50 Optical transport of fluorescent diamond nanoparticles inside a tapered glass capillary
Christophe PIN, Ryohei OTSUKA, Keiji SASAKI (Hokkaido University, Japan)
- P51 Shaping Poynting vectors for optical manipulation of nanoparticles
Kenji SETOURA, Hiroki AIKAWA, Hideki FUJIWARA, Keiji SASAKI (Hokkaido University, Japan)
- P52 3D differential dynamics microscopy (3D - DDM): an alternative technique to monitor motion of particles in 3D
Sergey ABAKUMOV, Boris LOUIS, Roger BRESOLÍ-OBACH, Pavlik LETTINGA, Johan HOFKENS (KULeuven, Belgium, Lund University, Sweden)
- P53 Plasmonic hot carriers for photopolymerization of polypyrrole
Charlene NG, Marisa HOFFMANN, Andreas FERY (Leibniz-Institut für Polymerforschung Dresden e.V., TU Dresden, Germany)
- P54 Photocontrollable dynamic chirality in plasmonic nanoassemblies
Rongyao WANG, Wenjing ZHAO, Wenxuan ZHANG, Xiaochun WU, Xiangdong ZHANG (Beijing Institute of Technology, National Center for Nanoscience and Technology, China)

- P55 Stress-induced 3D chiral fractal metasurface for enhanced and stabilized broadband near-field optical chirality
Zhan-Hong LIN, Ming Lun TSENG, Hsin Yu KUO, Tzu-Ting HUANG, Tsung Lin CHUNG, Cheng Hung CHU, Yi-Teng HUANG, Jer-Shing HUANG, Din Ping TSAI (Leibniz Institute of Photonic Technology, Germany, Academia Sinica, National Taiwan University, National Chiao Tung University, Taiwan)