

Poster Titles

- P-01 **Multiphoton Direct-writing of Positive Photoresist for Two-dimensional Air-hole Array**/ Hong-Zhong CAO, Xian-Zi DONG, Feng JIN, Zhen-Sheng ZHAO, and Xuan-Ming DUAN/ *Laboratory of Organic NanoPhotonics and Key Laboratory of Functional Crystals and Laser Technology, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R. China*
- P-02 **Three Dimensional Split-ring Resonators Fabricated by Stress-driven Assembly Method**/ Che Chin Chen, Chih Ting Hsiao, Shulin Sun, Kuang-Yu Yang, Pin Chieh Wu, Guang-Yu Guo, Wei Ting Chen, Yu Hsiang Tang, Ming Hua Shiao, Eric Plum, Nikolay I. Zheludev, and Din Ping Tsai/ *Instrument Technology Research Center, National Applied Research Laboratory, Hsinchu, Taiwan*
- P-03 **Non-degenerate Two-photon Polymerization and 13-nm Feature Size on SOI Substrate**/ Shu CHEN, Xian-Zi DONG, Zhen-Sheng ZHAO, and Xuan-Ming DUAN/ *Laboratory of Organic NanoPhotonics and Key Laboratory of Functional Crystals and Laser Technology, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R. China*
- P-04 **Surface Wave Holography for Manipulation of Electromagnetic Wave Scattering and Transport**/ Yu-Hui Chen, Jin-Xin Fu, and Zhi-Yuan Li/ *Laboratory of Optical physics, Institute of Physics, Chinese Academy of Science, Beijing, P. R. China*
- P-05 **Mesogenic Phthalocyanine Derivative Based Organic Solar Cell**/ QuangDuy DAO, Tetsuro HORI, Tetsuya MASUDA, Kaoru FUKUMURA, Takeshi HAYASHI, Toshiya KAMIKADO, Fabien NEKELSON, Hiroyuki YOSHIDA, Akihiko FUJII, Yo SHIMIZU, and Masanori OZAKI/ *Division of Electrical, Electronic and Information Engineering, Osaka University, Japan*
- P-06 **Local Temperature Measurement of Laser-irradiated Single Gold Nanoparticles**/ Mitsuhiro HONDA, Yuika SAITO, Nicholas I SMITH, Katsumasa FUJITA, and Satoshi KAWATA/ *Department of applied physics, Osaka university, Osaka, Japan*
- P-07 **Fabrication of Three Dimensional Silver Micro/Nanostructures by Multiphoton Photoreduction**/ Yan-Peng JIA, Xian-Zi DONG, Zhen-Sheng ZHAO, and Xuan-Ming DUAN/ *Laboratory of Organic NanoPhotonics and Key Laboratory of Functional Crystals and Laser Technology, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R.*

China

- P-08 **Flexible Quantum Dot/Polymer Composite Film Based on Thiol-ene Click Reaction/** Feng Jin, Xian Zi Dong, Meiling Zheng, Zhensheng Zhao, and Xuanming Duan/ *Laboratory of Organic NanoPhotonics and Key Laboratory of Functional Crystals and Laser Technology, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R. China*
- P-09 **New Type Positive Molecular Glass Resists for Two-photon Lithography/** Hao LI, Feng JIN, Wei-qiang CHEN, Zhen-sheng ZHAO, and Xuan-ming DUAN/ *Laboratory of Organic Nanophotonics, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R. China*
- P-10 **Surface Plasmon Focusing by Semicircular Slits Filled with Different Dielectric Mediums/** Jie Li, Zhongbo Yan, and Xing Zhu/ *School of Physics, State Key Laboratory for Mesoscopic Physics, Peking University, Beijing, P. R. China*
- P-11 **Plasmon Propagation Characteristics of Ag Nanowires with Grating Structure/** Jing Li, Hong Wei, Shunping Zhang, Xiaorui Tian, Hongxing Xu, Zhensheng Zhao, Xuanming Duan/ *Laboratory of Organic NanoPhotonics and Key Laboratory of Functional Crystals and Laser Technology, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R. China*
- P-12 **3D Site-specific Functionalization of Matrices Via Multi-photon Grafting and Subsequent Click Reaction/** Zhiquan Lia, Aleksandr Ovsianikov, Jan Torgersen, Jürgen Stampfl, and Robert Liska/ *Vienna University of Technology, Institute of Applied Synthetic Chemistry, Austria*
- P-13 **Adjustment of Light Enhancement for Silver Bowtie Nanoantennas Arrays/** Feng Lin, Chaojie Yang, Shan Huang, Meng Yang, Jie Li, Peipei Wang, Jiaming Li, Xing Zhu/ *School of Physics, State Key Laboratory for Mesoscopic Physics, Peking University, Beijing, P. R. China*
- P-14 **Effects of KrF (248nm) Excimer Laser Irradiation on Structural and Optical Properties of ZnO Single Crystal/** Jie LIU/ *Laboratory of Organic NanoPhotonics and Key Laboratory of Functional Crystals and Laser Technology, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R. China*
- P-15 **High-Performance Whispering Gallery Microcavities Fabricated by Direct Laser Writing/** Zhao-Pei Liu/ *Institute of Modern Optics, School of Physics, Peking University, P. R. China*

- P-16 **Preparation of Gold Nanostructures by Multiphoton Laser Direct Writing/** Wei-Er LU, Mei-Ling ZHENG, Xian-Zi DONG, Zhen-Sheng ZHAO, and Xuan-Ming DUAN/ *Laboratory of Organic NanoPhotonics and Key Laboratory of Functional Crystals and Laser Technology, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R. China*
- P-17 **Nano-observation of Biomolecular Dynamics Using Au Nanoparticle Dimers/** Hiroyuki Morimura, Shin-ichi Tanaka, Hidekazu Ishitobi, Tomoyuki Mikami, Kamachi Yusuke, Hisato Kondoh, Yasushi Inouye/ *Department of Applied Physics, Osaka University, Osaka, Japan*
- P-18 **Planar Lens Based on Tapered Metallic Nano-slits/** Junjie Miao, Yongsheng Wang, Qian Liu, and Zhiping Zhou/ *National Center for Nanoscience and Technology, Beijing, P. R. China*
- P-19 **Observation of the In-plane Spin Separation of Light/** Yi QIN/ *Peking University/ Peking University, Beijing, P. R. China*
- P-20 **In-vitro Cardiotoxicity Diagnosis Based on Quantitative Imaging Analysis/** Eiichi SHIMIZU, Tomohiko IKEUCHI, Masato SAITO, Yoshinori YAMAGUCHI, and Eiichi TAMIYA/ *Department of Applied Physics, Graduate School of Engineering, Osaka University, Osaka, Japan*
- P-21 **Photoreduction for the Fabrication of A Finite-size Near-field Tip for Tip-enhanced Raman Spectroscopy/** Takayuki UMAKOSHI, Taka-aki YANO, Taro ICHIMURA, Yuika SAITO, and Prabhat VERMA/ *Department of Applied Physics, Osaka University, Osaka, Japan*
- P-22 **Femtosecond Laser Lithography Technique for Submicron T-gate AlGaIn/GaN HEMTs/** Yandong Du, Wei Yan, Weihua Han, Yanbo Zhang, Fuhua Yang, Hong-Zhong Cao, and Xuan-Ming Duan/ *Engineering Research Center for Semiconductor Integrated Technology, Institute of Semiconductors, Chinese Academy of Sciences, Beijing, P. R. China*
- P-23 **Electro-optical Applications of Nanoparticle Doped Blue Phase/** Shuhe YABU, Yuma TANAKA, Kenta INOUE, Hiroyuki YOSHIDA, Akihiko FUJII, and Masanori OZAKI/ *Division of Electrical, Electronic and Information Engineering, Osaka University, Osaka, Japan*
- P-24 **Annealing Temperature on the Performance of Quantum Dot Sensitized Solar Cell/** Mei-Lin Zhang, Feng Jin, Mei-Ling Zheng, Zhen-Sheng Zhao, and Xuan-Ming Duan/ *Laboratory of Organic NanoPhotonics and Key Laboratory of Functional Crystals and Laser Technology, Technical Institute of Physics and*

Chemistry, Chinese Academy of Sciences, Beijing, P. R. China

- P-25 Incident Angle Dependence of Reflection Spectrum of Gold Nanoparticle Plasmonic Sensors/** Hidetaka YAMAMOTO, Hiroyuki YOSHIKAWA, and Eiichi TAMIYA/ *Department of Applied Physics, Graduate School of Engineering, Osaka University, Osaka, Japan*
- P-26 Enhanced Light Absorption in Silicon Solar Cell Using Plasmonic Nanoparticles/** Meng Yang, Jie Li, Feng Lin, and Xing Zhu/ *School of Physics, State Key Laboratory for Mesoscopic Physics, Peking University, Beijing, P. R. China*
- P-27 On-chip Optical Diode Based on Silicon Photonic Crystal Heterojunctions/** Chen Wang and Zhi-Yuan Li/ *Laboratory of Optical Physics, Institute of Physics, Chinese Academy of Sciences, Beijing, P. R. China*
- P-28 Multi-resonance Wavelength Using Asymmetric Plasmonic T-shaped Array/** Chih-Ming WANG/ *Department of Opto-electronic Engineering, National Dong Hwa University, Taiwan*
- P-29 Synthesis and Photoisomerization Properties of Azobenzene-functionalized Polymer Materials/** Hui WANG, Wei-Qiang CHEN, Feng JIN, Xian-Zi DONG, Zhen-Sheng ZHAO, and Xuan-Ming DUAN/ *Laboratory of Organic NanoPhotonics and Key Laboratory of Functional Crystals and Laser Technology, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R. China*
- P-30 Enzyme Triggered Gold Nanoparticle-enhanced Fluorescence of Near Infrared (NIR) Dye/** Zhanghua Zeng/ *Division of Advanced Science and Biotechnology, Graduate School of Engineering, Osaka University, Osaka, Japan*
- P-31 Chiral Surface Plasmon Polaritons on Metallic Nanowires/** Shunping Zhang, Hong Wei, Kui Bao, Ulf Hakanson, Naomi J. Halas, Peter Nordlander, and Hongxing Xu/ *Beijing National Laboratory for Condensed Matter Physics and Institute of Physics, Chinese Academy of Sciences, Beijing, P. R. China*
- P-32 Tunable Terahertz Optical Antennas Based on Graphene Ring Structures/** Penghong Liu, Wei Cai, Lei Wang, Xinzheng Zhang, and Jingjun Xu/ *The Key Laboratory of Weak-Light Nonlinear Photonics, Ministry of Education, School of Physics and TEDA, Applied Physics School, Nankai University, Tianjin, P. R. China*
- P-33 On the Geometry and Dynamics of Transformation Optics/** Yong-Liang

Zhang, Zhen-Sheng Zhao, and Xuan-Ming Duan/ *Laboratory of Organic NanoPhotonics and Key Laboratory of Functional Crystals and Laser Technology, Technical Institute of Physics and Chemistry, Chinese Academy of Science, Beijing, P. R. China*

P-34 Plasmon-assisted Reaction on Au Film/ Zhenglong ZHANG, Mengtao SUN, and Hongxing XU/ *Beijing National Laboratory for Condensed Matter Physics and Institute of Physics, CAS, Beijing, P. R. China*

P-35 Molecular Engineering of Carbazole-based Cyanine Probes for Combined Second-harmonic and Two-photon Fluorescence in Cellular Imaging/ Mei-Ling ZHENG, Katsumasa FUJITA, Wei-Qiang CHEN, Xuan-Ming DUAN, and Satoshi KAWATA/ *Laboratory of Organic NanoPhotonics and Key Laboratory of Functional Crystals and Laser Technology, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R. China*

P-36 Synthesis and Bioimaging of Carbazole Based Cyanine Probes for Living Cells and C. Elegans/ Yong-Chao Zheng, Mei-Ling Zheng, Zhen-Sheng Zhao, and Xuan-Ming Duan/ *Laboratory of Organic NanoPhotonics and Key Laboratory of Functional Crystals and Laser Technology, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R. China*

P-37 Plasmon Enhanced Light Amplification in Metal-insulator-metal Waveguides with Gain/ Xiao-Lan Zhong and Zhi-Yuan Li/ *Laboratory of Optical Physics, Institute of Physics, Chinese Academy of Sciences, Beijing, P. R. China*

P-38 Two-photon Photodynamic Activity of Water-soluble Benzylidene Cyclopentanone Dyes/ Yuxia ZHAO, Qianli ZOU, Feipeng WU, and Ying GU/ *Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, P. R. China*