

OSA Young Scientist Awards

Sponsored by OSA

Lei Zhou

Fudan University

Zuankai Wang

City University of Hong Kong

Innovation Award

Sponsored by Lab on a Chip

Yi-Chung Tung

Research Center for Applied Sciences, Academia Sinica

Best Paper Awards

Flow-through Cell Transfection Utilizing Chaotic Flow and Nanoneedle Array

Dong Huang, Deyao Zhao, Jinhui Li, Wenbo Zhou, Zicai Liang and Zhihong Li

Dynamics of Analytes in a Paper-based Ion Concentration Polarization Device as a Convection-free Platform

Seok Young Son, Hyomin Lee, Jihye Choi, Seongho Baek, Junsuk Kim, Hee Chan Kim, Jong-Hee Chae, Ho-Young Kim and Sung Jae Kim

Fluidic Circuit Based Microfluidic Device for Deterministic Single-cell Trapping with High Efficiency and Adaptivity

Lu Mi, Liang Huang and Wenhui Wang

Well Plate-based Microfluidic Platform for High Throughput Screening of 3D Perfused Vascularized Microtissue

Xiaolin Wang, Duc T. T. Phan, Steven C. George, Christopher C. W. Hughes and Abraham P. Lee

Cellular Torque with Left-right Bias Measured By Rotating Nanowires

Wei Liu, Yuanye Bao, Miu Ling Lam, Ting Xu, Zhaobin Guo, Edward Y. Chan, Ninghao Zhu, Raymond H. W. Lam and Ting-Hsuan Chen

Best Poster Awards

Optical Measurements on Neuronal Cells Membranes in Response to External Stimulations

Chia-Wei Lee, Lan-Ling Jang, Huei-Jyuan Pan and Chau-Hwang Lee

Integration of Photonic Crystal and Electrowetting-on-dielectric Microfluidics for Concentration Measurement

Lin-Yun Su, Ching-Su Fu, Ying-Bin Wang, Cheng-Sheng Huang and Wen-Syang Hsu

Resonant Modes in Metal/insulator/metal Metamaterials: An Analytical Study on Near-field Couplings

Shaojie Ma, Shiyi Xiao and Lei Zhou

Plasmonic Modulators of Wide Tuning Range by Laser-induced Bubbles

Fengyuan Gan, Yujia Wang, Chengwei Sun, Guorui Zhang, Hongyun Li, Qihuang Gong and Jianjun Chen

A Novel High-Density Flexible Microelectrodes Array

Tengyue Li, Bin Sun, Kai Xia, Tianzhun Wu and Mark S. Humayun

Nomination for Best Paper Awards

Flow-through Cell Transfection Utilizing Chaotic Flow and Nanoneedle Array

Dong Huang, Deyao Zhao, Jinhui Li, Wenbo Zhou, Zicai Liang and Zhihong Li

Carbon Nanostructure Based Mechano-nanofluidics

Ming Ma and Quanshui Zheng

Dynamics of Analytes in a Paper-based Ion Concentration Polarization Device as a Convection-free Platform

Seok Young Son, Hyomin Lee, Jihye Choi, Seongho Baek, Junsuk Kim, Hee Chan Kim, Jong-Hee Chae, Ho-Young Kim and Sung Jae Kim

Fluidic Circuit Based Microfluidic Device for Deterministic Single-cell Trapping with High Efficiency and Adaptivity

Lu Mi, Liang Huang and Wenhui Wang

Well Plate-based Microfluidic Platform for High Throughput Screening of 3D Perfused Vascularized Microtissue

Xiaolin Wang, Duc T. T. Phan, Steven C. George, Christopher C. W. Hughes and Abraham P. Lee

Cellular Torque with Left-right Bias Measured By Rotating Nanowires

Wei Liu, Yuanye Bao, Miu Ling Lam, Ting Xu, Zhaobin Guo, Edward Y. Chan, Ninghao Zhu, Raymond H. W. Lam and Ting-Hsuan Chen

Tunable Microresonator for Microlasing and Sensing

Fenghuan Zhao, Yahui Yang and Rui Chen

Mimicking Einstein's Ring through Emulated Curved Space in Transformation Optics

C. Sheng, R. Bekenstein, H. Liu, S. N. Zhu and M. Segev

Measurement and Fabrication of 128-channel Flexible Microelectrodes Array

Jin Peng, Bin Sun, Tengyue Li, Kai Xia, Xingyang Yan, Shugang Zhou, Tianzhun Wu and Mark S. Humayun

Sub-microliter Finger-prick Blood Samples for Blood Typing by a Smartphone

Fu-Min Wang, Shey-Shi Lu and Shih-Kang Fan

Nomination for Best Poster Awards

Optical Measurements on Neuronal Cells Membranes in Response to External Stimulations

Chia-Wei Lee, Lan-Ling Jang, Huei-Jyuan Pan and Chau-Hwang Lee

Integration of Photonic Crystal and Electrowetting-on-dielectric Microfluidics for Concentration Measurement

Lin-Yun Su, Ching-Su Fu, Ying-Bin Wang, Cheng-Sheng Huang and Wen-Syang Hsu

A Microfluidic-integrated Plasmonic Biosensing System for Sepsis Diagnosis

Ling Ling Sun, Willie Ng, Fu Yi, Ten It Wong, Xiao Dong Zhou and Leo Yee Sin

Nano-fabrication of Field Emitter Array and Its Emission Characteristics

N. L. Zhu, J. Chen, M. T. Cole and W. I. Milne

Microfluidic Reactors with Immobilized Enzymes for Glucose Generation

Yujiao Zhu, Xiaowen Huang and Xuming Zhang

Compensation of the Kerr Effect for Transient Optomechanically Induced Transparency in a Microresonator

Zhen Shen, Chun-Hua Dong, Chen Yuan, Yun-Feng Xiao, Fang-Wen Sun and Guang-Can Guo

Resonant Modes in Metal/insulator/metal Metamaterials: An Analytical Study on Near-field Couplings

Shaojie Ma, Shiyi Xiao and Lei Zhou

Plasmonic Modulators of Wide Tuning Range by Laser-induced Bubbles

Fengyuan Gan, Yujia Wang, Chengwei Sun, Guorui Zhang, Hongyun Li, Qihuang Gong and Jianjun Chen

Realization of Plasmonic Microcavity with Full Transverse and Longitudinal Mode Selection

Ju Liu, Yue-Gang Chen, Lin Gan, Ting-Hui Xiao and Zhi-Yuan Li

A Novel High-Density Flexible Microelectrodes Array

Tengyue Li, Bin Sun, Kai Xia, Tianzhun Wu and Mark S. Humayun