

# PHOTONICS Research

Volume 9  
Number 1  
January 2021

Topological photonics and beyond: introduction	<i>Andrea Alù, Laura Pilozzi, Haitan Xu, and Jingyun Fan</i>	TPB1
Photonic two-particle quantum walks in Su–Schrieffer–Heeger lattices	<i>Friederike Klauck, Matthias Heinrich, and Alexander Szameit</i>	A1
Modulation format identification in fiber communications using a single dynamical node-based photonic reservoir computing	<i>Qiang Cai, Ya Guo, Pu Li, Adonis Bogris, K. Alan Shore, Yamei Zhang, and Yunca Wang</i>	B1
All-optical motion control of metal nanoparticles powered by propulsion forces tailored in 3D trajectories	<i>José A. Rodrigo, Mercedes Angulo, and Tatiana Alieva</i>	1
Metasurface-based subtractive color filter fabricated on a 12-inch glass wafer using a CMOS platform [On the Cover]	<i>Zhengji Xu, Nanxi Li, Yuan Dong, Yuan Hsing Fu, Ting Hu, Qize Zhong, Yanyan Zhou, Dongdong Li, Shiyang Zhu, and Navab Singh</i>	13
High resolution imaging with anomalous saturated excitation	<i>Bo Du, Xiang-Dong Chen, Ze-Hao Wang, Shao-Chun Zhang, En-Hui Wang, Guang-Can Guo, and Fang-Wen Sun</i>	21
Dual-band perfect absorber for a mid- infrared photodetector based on dielectric metal metasurface	<i>Zhao Chen, Yudong Weng, Junku Liu, Nan Guo, Yaolun Yu, and Lin Xiao</i>	27

(Contents continued)

Generalizing the Gerchberg–Saxton algorithm for retrieving complex optical transmission matrices	<i>Guoqiang Huang, Daixuan Wu, Jiawei Luo, Liang Lu, Fan Li, Yuecheng Shen, and Zhaohui Li</i>	34
On-chip reconfigurable mode converter based on cross-connected subwavelength Y-junctions	<i>Longhui Lu, Deming Liu, Max Yan, and Minming Zhang</i>	43
Second-order interference of true thermal light from a warm atomic ensemble in two independent unbalanced interferometers [Editors' Pick]	<i>Jiho Park, Heonoh Kim, and Han Seb Moon</i>	49
Superior single-mode lasing in a self-assembly CsPbX <sub>3</sub> microcavity over an ultrawide pumping wavelength range	<i>Guoen Weng, Jiyu Yan, Shengjie Chen, Chunhu Zhao, Hanbing Zhang, Jiao Tian, Yuejun Liu, Xiaobo Hu, Jiahua Tao, Shaoqiang Chen, Ziqiang Zhu, Hidefumi Akiyama, and Junhao Chu</i>	54
Program-controlled single soliton microcomb source	<i>Xinyu Wang, Peng Xie, Weiqiang Wang, Yang Wang, Zhizhou Lu, Leiran Wang, Sai T. Chu, Brent E. Little, Wei Zhao, and Wenfu Zhang</i>	66
Plasmonic evolution maps for planar metamaterials	<i>Liyong Jiang, Jianli Jiang, Zebin Zhu, Guanghui Yuan, Ming Kang, and Ze Xiang Shen</i>	73
Digital quantum simulation of Floquet topological phases with a solid-state quantum simulator [Spotlight on Optics]	<i>Bing Chen, Shuo Li, Xianfei Hou, Feifei Ge, Feifei Zhou, Peng Qian, Feng Mei, Suotang Jia, Nanyang Xu, and Heng Shen</i>	81

The color images are shown online.