

Advanced Photonics

Volume 2
Number 2
April 2020

News and Commentaries

Solving the missing cone problem by deep learning *Dashan Dong and Kevin Shi* 020501

Reviews

Recent progress on optical rogue waves in fiber lasers: status, challenges, and perspectives *Yufeng Song, Zhenhong Wang, Cong Wang, Krassimir Panajotov, and Han Zhang* 024001

Spatiotemporal rotational dynamics of laser-driven molecules *Kang Lin, Ilya Tutunnikov, Junyang Ma, Junjie Qiang, Lianrong Zhou, Olivier Faucher, Yehiam Prior, Ilya Sh. Averbukh, and Jian Wu* 024002

Research Articles

Three-dimensional tomography cells using deep learning [On the Cover] *Joowon Lim, Ahmed B. Ayoub, and Demetri Psaltis* 026001

All-fiber ultrafast laser generating gigahertz-rate pulses based on a hybrid plasmonic microfiber resonator *Zi-xuan Ding, Zi-nan Huang, Ye Chen, Cheng-bo Mou, Yan-qing Lu, and Fei Xu* 026002

Enhanced light-matter interactions in dielectric nanostructures via machine-learning approach *Lei Xu, Mohsen Rahmani, Yixuan Ma, Daria A. Smirnova, Khosro Zangeneh Kamali, Fu Deng, Yan Kei Chiang, Lujun Huang, Haoyang Zhang, Stephen Gould, Dragomir N. Neshev, and Andrey E. Miroshnichenko* 026003