

ESI Hot Papers in September 2023

- Ultra-broadband metamaterial absorbers from long to very long infrared regime**
Yu Zhou, Zheng Qin, Zhongzhu Liang, Dejia Meng, Haiyang Xu, David R. Smith & Yichun Liu
Light Sci Appl **10**, 138 (2021). DOI: 10.1038/s41377-021-00577-8
- Augmented reality and virtual reality displays: emerging technologies and future perspectives**
Jianghao Xiong, En-Lin Hsiang, Ziqian He, Tao Zhan & Shin-Tson Wu
Light Sci Appl **10**, 216 (2021). DOI: 10.1038/s41377-021-00658-8
- Optical meta-waveguides for integrated photonics and beyond**
Yuan Meng, Yizhen Chen, Longhui Lu, Yimin Ding, Andrea Cusano, Jonathan A. Fan, Qiaomu Hu, Kaiyuan Wang, Zhenwei Xie, Zhoutian Liu, Yuanmu Yang, Qiang Liu, Mali Gong, Qirong Xiao, Shulin Sun, Minming Zhang, Xiaocong Yuan & Xingjie Ni
Light Sci Appl **10**, 235 (2021). DOI: 10.1038/s41377-021-00655-x
- Compact ultrabroadband light-emitting diodes based on lanthanide-doped lead-free double perovskites**
Shilin Jin, Renfu Li, Hai Huang, Naizhong Jiang, Jidong Lin, Shaoxiong Wang, Yuanhui Zheng, Xueyuan Chen & Daqin Chen
Light Sci Appl **11**, 52 (2022). DOI: 10.1038/s41377-022-00739-2
- Advanced liquid crystal devices for augmented reality and virtual reality displays: principles and applications**
Kun Yin, En-Lin Hsiang, Junyu Zou, Yannanqi Li, Zhiyong Yang, Qian Yang, Po-Cheng Lai, Chih-Lung Lin & Shin-Tson Wu
Light Sci Appl **11**, 161 (2022). DOI: 10.1038/s41377-022-00851-3
- Highly efficient green InP-based quantum dot light-emitting diodes regulated by inner alloyed shell component**
Peng Yu, Sheng Cao, Yuliang Shan, Yuhe Bi, Yaqi Hu, Ruosheng Zeng, Bingsuo Zou, Yunjun Wang & Jialong Zhao
Light Sci Appl **11**, 162 (2022). DOI: 10.1038/s41377-022-00855-z
- Towards higher-dimensional structured light**
Chao He, Yijie Shen & Andrew Forbes
Light Sci Appl **11**, 205 (2022). DOI: 10.1038/s41377-022-00897-3
- Liquid crystal-templated chiral nanomaterials: from chiral plasmonics to circularly polarized luminescence**
Xuan Zhang, Yiyi Xu, Cristian Valenzuela, Xinfang Zhang, Ling Wang, Wei Feng & Quan Li
Light Sci Appl **11**, 223 (2022). DOI: 10.1038/s41377-022-00913-6
- Phase-controlled van der Waals growth of wafer-scale 2D MoTe₂ layers for integrated high-sensitivity broadband infrared photodetection**
Di Wu, Chenguang Guo, Longhui Zeng, Xiaoyan Ren, Zhifeng Shi, Long Wen, Qin Chen, Meng Zhang, Xin Jian Li, Chong-Xin Shan & Jiansheng Jie
Light Sci Appl **12**, 5 (2023). DOI: 10.1038/s41377-022-01047-5