

## ESI Hot Papers in November 2023

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- 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
- Deep learning in optical metrology: a review**  
Chao Zuo, Jiaming Qian, Shijie Feng, Wei Yin, Yixuan Li, Pengfei Fan, Jing Han, Kemao Qian & Qian Chen  
*Light Sci Appl* **11**, 39 (2022). DOI: 10.1038/s41377-022-00714-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
- Towards higher-dimensional structured light**  
Chao He, Yijie Shen & Andrew Forbes  
*Light Sci Appl* **11**, 205 (2022). DOI: 10.1038/s41377-022-00897-3
- Review of computer-generated hologram algorithms for color dynamic holographic three-dimensional display**  
Dapu Pi, Juan Liu & Yongtian Wang  
*Light Sci Appl* **11**, 231 (2022). DOI: 10.1038/s41377-022-00916-3
- An excellent deep-ultraviolet birefringent material based on [BO<sub>2</sub>]<sup>∞</sup> infinite chains**  
Fangfang Zhang, Xinglong Chen, Min Zhang, Wenqi Jin, Shujuan Han, Zhihua Yang & Shilie Pan  
*Light Sci Appl* **11**, 252 (2022). DOI: 10.1038/s41377-022-00941-2
- Formation and fluorescent mechanism of red emissive carbon dots from o-phenylenediamine and catechol system**  
Pengfei Li, Shanshan Xue, Lu Sun, Xupeng Zong, Li An, Dan Qu, Xiayan Wang & Zaicheng Sun  
*Light Sci Appl* **11**, 298 (2022). DOI: 10.1038/s41377-022-00984-5