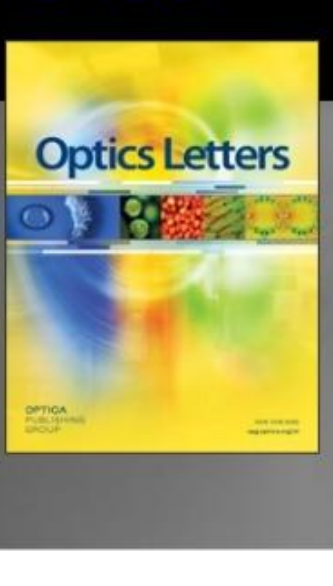


Optics Letters

Carsten Rockstuhl, Editor-in-Chief
Editorial Board ›
Full-text access provided by Nanjing University

1 MARCH 2026, VOLUME 51, ISSUE 5, PP. 1072-1366

74 ARTICLES

☑ Actions ▾ Sort: Topic Page Number

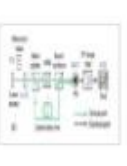
Letters

☐ Diffraction and Gratings

☐ 
Raising the laser induced damage threshold of multilayer dielectric gratings by slanting the grating ridges
Lifeng Li
Opt. Lett. **51**(5), 1347-1350 (2026) View: HTML | PDF [Suppl. Mat. (1)]

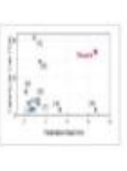
☐ Fiber Optics and Optical Communications

☐ 
Large-aperture telescope system based on a secondary optical beam expander with tracking precision of 100 nanoradians
Chenchen Zeng, Rui Xiu, Chenglin Zhou, Tingting Wang, Jianan Sun, Yunpeng Liu, Jincai Wu, and Liang Zhang
Opt. Lett. **51**(5), 1084-1087 (2026) View: HTML | PDF

☐ 
Locking-free, high-sensitivity optical ultrasound sensing based on radio-frequency-domain slope discrimination
Siheng Zhang, Kaiyuan Zheng, and Long Jin
Opt. Lett. **51**(5), 1096-1099 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ 
6 kbit/s over 2.8 km transmission for optical camera communication with a mobile phone
Yuwei Yang, Jianfeng Li, and Xiaoshuang Liu
Opt. Lett. **51**(5), 1144-1147 (2026) View: HTML | PDF [Suppl. Mat. (1)]

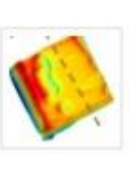
☐ 
A photonic-assisted joint radar and communication system based on LFM-DCSK waveform
Hao Su, Jian Wang, Jingbo Ma, Yufeng Zhang, Jianyong Zhang, and Muguang Wang
Opt. Lett. **51**(5), 1152-1155 (2026) View: HTML | PDF

☐ 
High-throughput full-duplex DWDM IM-DD mobile fronthaul based on anti-resonant hollow-core fiber
Mingqing Zuo, Dong Wang, Dawei Ge, Tianyu Hu, Dechao Zhang, and Han Li
Opt. Lett. **51**(5), 1196-1199 (2026) View: HTML | PDF

☐ 
Anti-resonant hollow-core fiber-based simultaneous transmission of >4 Tbit/s 64-QAM-DMT co-WDM bidirectional signal and 10 W laser power
Jianbo Zhang, Jianping Li, Xinkuo Yu, Wei Chen, Zukai Sun, Chunyu He, Peng Li, Lu Dai, Lei Zhang, Songnian Fu, and Yuwen Qin
Opt. Lett. **51**(5), 1307-1310 (2026) View: HTML | PDF

☐ Fourier Optics, Image and Signal Processing

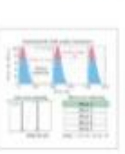
☐ 
Accelerated Richardson–Lucy deconvolution by unmatched projection pairs for 3D fluorescence microscopy
Heheng Du, Ning Zhou, Hanci Tang, Zihao Zhou, Mingyang Xu, Qian Chen, Runnan Zhang, and Chao Zuo
Opt. Lett. **51**(5), 1200-1203 (2026) View: HTML | PDF | Compressed PDF [Suppl. Mat. (3)]

☐ 
Polarization-guided three-dimensional recovery through scattering media
Xiyuan Luo, Xin Wang, Pingli Han, Juncheng Liu, Yanyan Liu, Tong Zhang, and Fei Liu
Opt. Lett. **51**(5), 1235-1238 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ Holography

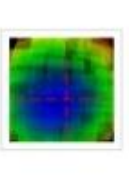
☐ 
Pupil-adaptive neural holography for eyepiece-free near-eye display
Li Liang, Yuan Liu, Yue Wang, Haikui Wen, Cong Han, Zi Wang, Guoqiang Lv, and Qibin Feng
Opt. Lett. **51**(5), 1283-1286 (2026) View: HTML | PDF

☐ Imaging Systems

☐ 
Spatiotemporally controlled illumination strategy for event-based imaging velocimetry
Jiajun Cao, Xin Zeng, Weiwei Cai, and Yingzheng Liu
Opt. Lett. **51**(5), 1116-1119 (2026) View: HTML | PDF

☐ 
Joint 3D shape and hyperspectral reconstruction from single-view spectro-polarimetric imaging
Pengming Peng, Zhen Wang, Zhengyi Zhao, Chengfu Zhao, Rong Yan, Lianjie Li, Wenhui Liu, and Liheng Bian
Opt. Lett. **51**(5), 1132-1135 (2026) View: HTML | PDF | Compressed PDF [Suppl. Mat. (1)]

☐ 
High-fidelity full-color correspondence imaging using single-pixel detectors in complex environments with random disturbances
Zhihan Xu and Wen Chen
Opt. Lett. **51**(5), 1164-1167 (2026) View: HTML | PDF [Suppl. Mat. (1)]

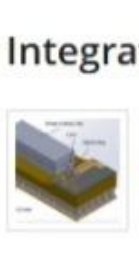
☐ 
Robotically assisted large-field-of-view, ultra-high-resolution imaging for the entire cornea with spectral domain optical coherence tomography
Lifeng Dong, Chaoliang Chen, Tong Lin, Junpeng Lu, and Zhenhua Ni
Opt. Lett. **51**(5), 1168-1171 (2026) View: HTML | PDF [Suppl. Mat. (1)]

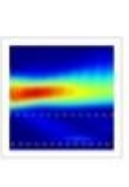
☐ 
End-to-end learned hybrid refractive-diffractive optical design for fast and high-quality varifocal imaging
Dongxu Yu, Zhengchao Wang, Qionghua Wang, Yi Zheng, and Chao Liu
Opt. Lett. **51**(5), 1188-1191 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ 
Kolmogorov–Arnold network-enhanced U-Net for robust single-pixel imaging
Xuan-Ge Zhang, Xiang Wang, Kan-Xu Jia, Yi-Shen Zhou, Qi Li, and Xi-Hao Chen
Opt. Lett. **51**(5), 1327-1330 (2026) View: HTML | PDF [Suppl. Mat. (1)]

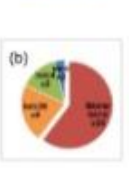
☐ 
Synchrotron radiation dual-energy CT based on Laue crystal diffraction spectroscopy
Ruibin Sun, Yanwei Huang, Haipeng Zhang, Changzhe Zhao, Biao Deng, and Zhongliang Li
Opt. Lett. **51**(5), 1359-1362 (2026) View: HTML | PDF

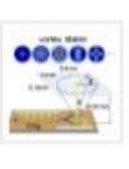
☐ Integrated Optics

☐ 
Hybrid integrated narrow linewidth laser based on high-order SiO$_2$ planar waveguide grating
Guojie Zhang, Yao Zhang, Liyong Guo, Di Wang, Yuanda Wu, Shaoliang Yu, Chao Chen, and XiaoJie Yin
Opt. Lett. **51**(5), 1080-1083 (2026) View: HTML | PDF

☐ 
Micro-ring resonator-assisted photothermal spectroscopy with integrated pump beam
Jenitta Johnson Mapranathukaran, Gabriele Biagi, Ganga Chinna Rao Devarapu, Cian Twomey, Liam O'Faolain, and Maria V. Kotlyar
Opt. Lett. **51**(5), 1112-1115 (2026) View: HTML | PDF

☐ 
Efficient 180 Gb/s NRZ C-band silicon microring modulator exceeding 100 GHz bandwidth
Siyan He, Shuxiao Wang, Fan Xu, Aolong Sun, Xiangyu Gao, Junwen Zhang, Wei Wang, and Yan Cai
Opt. Lett. **51**(5), 1219-1222 (2026) View: HTML | PDF

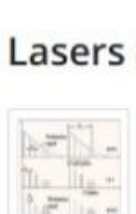
☐ 
Compact and fabrication-tolerant CWDM filter based on cascaded silicon nitride Mach–Zehnder interferometers
Yan Zhang, Yali Huang, Maojing Hou, Yong Hu, Shaoliang Yu, and Qingyang Du
Opt. Lett. **51**(5), 1251-1254 (2026) View: HTML | PDF

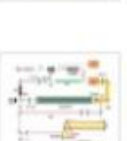
☐ 
Control and steering of integrated optical vortices
Jun Mao, Jieshan Huang, Xudong Li, Jingze Yuan, Yun Zheng, Chonghao Zhai, Jueming Bao, Zhaorong Fu, Daoxin Dai, Qihuang Gong, and Jianwei Wang
Opt. Lett. **51**(5), 1311-1314 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ 
Compact and electrically driven active mode-locked laser at 10 GHz repetition rate based on a graphene electro-absorption modulator
Sylvain Massabeau, Tom Reep, Cheng-Han Wu, Steven Brems, Didit Yudistira, Joris Van Campenhout, Bart Kuyken, Christian Larat, Dries Van Thourhout, and Ghaya Baili
Opt. Lett. **51**(5), 1315-1318 (2026) View: HTML | PDF

☐ 
Heterogeneously integrated single-mode III–V-on-TFLN lasers enabled by narrowband Bragg gratings
Zhiwen Zheng, Xian Zhang, Xiaomin Nie, Zhongjin Lin, Lei Wang, Siyuan Yu, Ruijun Wang, and Xinlun Cai
Opt. Lett. **51**(5), 1355-1358 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ Lasers and Laser Optics

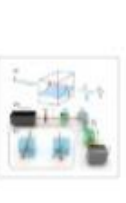
☐ 
High-repetition-frequency pulse burst generator based on a fiber ring cavity
Xupeng Wang, Yuyan Wang, Yongchang Zhang, Shu Liu, Xinxin Jin, Zhihong Li, Yanmin Duan, and Haiyong Zhu
Opt. Lett. **51**(5), 1100-1103 (2026) View: HTML | PDF

☐ 
41 W, 343 nm UV femtosecond laser based on rod-type PCF and LBO crystals
Meng Su, Xianghao Meng, Jingyue Ma, Yutao Huang, Guoxin Zhang, and Pingxue Li
Opt. Lett. **51**(5), 1148-1151 (2026) View: HTML | PDF

☐ 
A hertz-linewidth semiconductor laser self-injection locked to a microresonator with electromagnetically induced transparency
Leilei Shi, Lei Zhai, Wenxuan Huang, Weili Luo, Da Wei, Jiali Li, Liyang Jin, Dongmei Huang, Yujia Li, and Tao Zhu
Opt. Lett. **51**(5), 1156-1159 (2026) View: HTML | PDF

☐ 
Up-chirped nonlinear thulium fiber amplifier delivering sub-100 fs high-energetic pulses
Benedikt Schuhbauer, Joe Pius, Alessandro Favia, Frithjof Haxsen, Uwe Morgner, Jörg Neumann, and Dietmar Kracht
Opt. Lett. **51**(5), 1160-1163 (2026) View: HTML | PDF

☐ 
High-performance Yb:CaYAlO$_4$ dual-crystal regenerative amplifier at 5 and 50 kHz repetition frequency
Geyang Wang, Bowen Wu, Xubo Huang, Fengchen Zhang, Li Zheng, Yang Yu, Chuan Bai, Xiaodong Xu, Wenlong Tian, Zhiyi Wei, and Jiangfeng Zhu
Opt. Lett. **51**(5), 1255-1258 (2026) View: HTML | PDF

☐ 
Photonic spin Hall effect–enabled optical differentiation for real-time monitoring of chiral molecular dynamics
Hanqing Wu, Xiaoyan Yu, Chunguang Liu, Fang Jing, Yong Yang, Long Chen, Yan Yang, Yingdan Li, and Jin Zhang
Opt. Lett. **51**(5), 1267-1270 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ 
101 W, sub-400 fs Yb:Lu$_2$O$_3$ thin-disk regenerative amplifier
Ranyou Zhao, Weiting Shen, Guangzhi Zhu, Xiangyu Ma, Fan Song, Yanru Yin, Hailing Wang, and Xiao Zhu
Opt. Lett. **51**(5), 1339-1342 (2026) View: HTML | PDF

☐ Materials and Metamaterials

☐ 
Tunable in-plane scanning of focused vector vortex beams via moiré phase engineering in cascaded metasurfaces
Hui Li, Wenhui Xu, Yufei Liu, Jie Li, Chunyu Song, Hang Xu, and Jianquan Yao
Opt. Lett. **51**(5), 1076-1079 (2026) View: HTML | PDF

Editors' Pick

☐ 
Multi-NA metalens array for compact high-NA microscopy
Alireza Khalilian, Jie Fan, Mohammad Serhan, Mehdi Sh. Yeganeh, Joe Fujiou Lo, and Yasha Yi
Opt. Lett. **51**(5), 1140-1143 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ 
Dual-excited anti-thermal quenching in SrGa$_{12}$O$_{19}$: Er^{3+}, Yb^{3+}, Cr^{3+} phosphors: from thermochromism to NIR luminescence
Dexin Liu, Yaogeng Jiang, Benchun Li, Dechao Yu, Ian Pompermayer Machado, and Lianhua Tian
Opt. Lett. **51**(5), 1176-1179 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ 
Unlocking closely spaced wavelength multiplexing by disrupting topological protection in non-Hermitian metasurfaces
Hao Chen, Yiyuan Xu, Lili Gui, and Kun Xu
Opt. Lett. **51**(5), 1184-1187 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ 
Broadband dynamic manipulation of perfect optical vortex beams with tunable topological charge via all-dielectric moiré metasurfaces
Yue Liu, Ruoxi Hu, Chengxin Zhou, Yufang Liu, and Kun Yu
Opt. Lett. **51**(5), 1192-1195 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ 
Transparent multilayer polymer films for hidden marking of reflective containers
Alexander P. Kondratov, Vladislav Y. Vereshchagin, Alexandra Y. Pogiba, and Alex A. Volinsky
Opt. Lett. **51**(5), 1215-1218 (2026) View: HTML | PDF

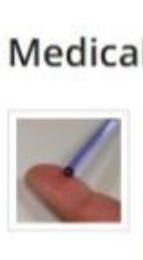
☐ 
Hyperbolic dispersion and plasmon-polariton gap induced by off-diagonal anisotropy in photonic heterostructures
Alex Emanuel Barros Costa, Frederico Salgueiro Passos, Tiago Peixoto da Silva Lobo, and Solange Bessa Cavalcanti
Opt. Lett. **51**(5), 1223-1226 (2026) View: HTML | PDF

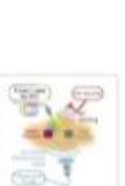
☐ 
Guided-mode enabled electromagnetically induced transparency with quasi-BICs in all-dielectric metasurfaces
Jialing Shi, Jiarui Qin, Deguo Shi, and Bin Tang
Opt. Lett. **51**(5), 1227-1230 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ 
Achromatic varifocal metalens enabled by polarization-dependent superposition
Zhongyan Chen, Wei Wang, Qiaohua Wu, Jun Wang, Jie Lin, Peng Jin, Shutian Liu, and Keya Zhou
Opt. Lett. **51**(5), 1271-1274 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ 
Highly efficient metamaterial solar energy absorber from UV to NIR regime
Cuiwei Xue, Rujun Liao, Xueling Quan, Huanan Duan, and Xiulan Cheng
Opt. Lett. **51**(5), 1275-1278 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ Medical Optics and Biotechnology

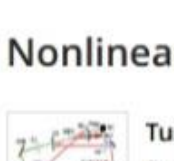
☐ 
Towards all optically powered miniature devices in remote locations of the body
Hasti Yavari, Meena Baskaran, Hui Ma, Noreen Nudds, Marc Rensing, Kamil Gradkowski, Yineng Wang, Peter O'Brien, Brian Corbett, Stefan Andersson-Engels, and Sanathana Konugolu Venkata Sekar
Opt. Lett. **51**(5), 1263-1266 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ 
RF heating-enhanced photoacoustic tomography
Skyler P. Selvin, Xuanhao Wang, Handi Deng, Bohua Chen, and Cheng Ma
Opt. Lett. **51**(5), 1303-1306 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ Microscopy

☐ 
Azimuthally polarized vortex vector optical field enhances the lateral resolution of two-photon fluorescence microscopy imaging
Xuefeng Sun, Sisi Zhou, Guangbo Zhang, Chao Zhang, Rui Hu, Can Zhao, Yuankai Guo, and Liwei Liu
Opt. Lett. **51**(5), 1259-1262 (2026) View: HTML | PDF

☐ Nonlinear Optics

☐ 
Tunability extension and pulse shortening by using a noncollinear configuration in a green-pumped BiB$_3$O$_6$ femtosecond optical parametric oscillator
Delnia Pourghobad, Masood Ghotbi, and Xavier Mateos
Opt. Lett. **51**(5), 1172-1175 (2026) View: HTML | PDF

☐ 
Flat-top solitons and anomalous interactions in media with even-order dispersions and competing nonlinearities
Xueqing He, Shijie Hao, Lijing Xing, Dumitru Mihalache, Boris A. Malomed, and Pengfei Li
Opt. Lett. **51**(5), 1323-1326 (2026) View: HTML | PDF

☐ **Supercontinuum generation from topological edge supermodes in a short SSH photonic crystal fiber**
Daniel Rodriguez-Guillen, Carlos Wiechers, and Lorena Velazquez-Ibarra
Opt. Lett. **51**(5), 1331-1334 (2026) View: HTML | PDF | Compressed PDF [Suppl. Mat. (1)]

☐ **Sub-30-fs high-power laser based on a solid multi-pass cell and application for high flux high harmonic generation**
Chao Du, Hao Teng, Pinbin Li, Xiaodong Shao, Chengzhi Li, Dongliang Wang, Baichuan Xie, Fabio Frassetto, Luca Poletto, Yan He, Jiangfeng Zhu, Chenxia Yun, and Zhiyi Wei
Opt. Lett. **51**(5), 1335-1338 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ Optical Devices

☐ **Inverse design method of optical devices for generating target near-fields via physics-informed neural networks**
Huan Tang, Renxian Li, Li Xiao, Fengbei Liu, Bing Wei, Fang Lu, and Dan Xu
Opt. Lett. **51**(5), 1120-1123 (2026) View: HTML | PDF

☐ **Characterizing power-dependent chirp dynamics of DML based on a time lens**
Haoyue Hu, Jilong Li, Meng Xiang, Gai Zhou, Cong Zhang, Xiangjun Xin, Songnian Fu, and Yuwen Qin
Opt. Lett. **51**(5), 1124-1127 (2026) View: HTML | PDF

☐ **Effects of KOH treatment on the performance of Micro-LED arrays under different temperatures**
Yijian Zhou, Jiawei Yuan, Yuchen Lu, Qiwei Li, Shuaishuai Wang, Caihong Yan, Shuaihao Li, Tianxi Yang, Jie Sun, and Qun Yan
Opt. Lett. **51**(5), 1180-1183 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **Design method for C^2-continuous tiled freeform lens arrays**
Karel Desnijder
Opt. Lett. **51**(5), 1231-1234 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **Circularly polarized (0001) InGaN-based LED integrated with GaN metasurface**
Yohei Taguchi, Yuki Murata, Kyohei Suzuki, Shintaro Toda, Hiroshi Tabata, Kazunobu Kojima, and Shuhei Ichikawa
Opt. Lett. **51**(5), 1287-1290 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **Bifacial photovoltaic micro-concentrators for space**
Rivaldo M. N. Pereira, Leonardo F. L. de Souza, and Jeffrey M. Gordon
Opt. Lett. **51**(5), 1299-1302 (2026) View: HTML | PDF

☐ Optical Sensors, Measurements, and Metrology

☐ **Polarization-normalized differential Fano response in phosphorene metasurfaces for ultra-highly sensitive sensing**
Siyuan Zhao, He Su, and Rui Yang
Opt. Lett. **51**(5), 1092-1095 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **Curvature sensor enabled by fiber ring microwave photonic filter**
Lingge Gao, Xuanpei Fan, Shengyi Lu, Qiang Liu, Dongdong Lin, Jingzhan Shi, and Yiping Wang
Opt. Lett. **51**(5), 1128-1131 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **Dual-channel single-spectrometer chromatic confocal coherence sensing to mitigate bandwidth compression in film thickness and refractive-index measurement**
Guanggao Zhou, Yulei Bai, Shengli Xie, and Bo Dong
Opt. Lett. **51**(5), 1136-1139 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **Ultra-sensitive 17β-estradiol detection using optical fiber plasmonic spectra based on ssDNA-modified gold-coated tilted fiber Bragg grating**
Chuanshi Gu, Xiaoyi Wei, Meijuan Jia, Jie Dong, Jun Zhou, Anhua Dong, and Changyu Shen
Opt. Lett. **51**(5), 1207-1210 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **Integrated design of an anti-polarization-fading UWFBG distributed acoustic sensing system**
Yiming Wang, Saifeng Huangfu, Hui Gao, Jiaqi Wang, Jinxing Qiu, Xin Gui, Xuelei Fu, and Zhengying Li
Opt. Lett. **51**(5), 1243-1246 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **High-Q Fano resonance in polymer metasurface for refractive index gas sensing**
Shuai Li, Zhijun Zhang, Bingxiong Yang, and Yuechun Shi
Opt. Lett. **51**(5), 1343-1346 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **Nanoparticle size determination via through-focus scanning polarized microscopy**
Wenhui Zhou, Chunjie Zhai, and Zhaolou Cao
Opt. Lett. **51**(5), 1351-1354 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **Demonstration of a rubidium optical clock with an improved long-term stability of 6.6×10^{-15} at an integration time of 10000 seconds**
Chen Feng, Xinrui Luo, Hangzhe Lyu, Linyan Yu, Xianghui Qi, Qi-Fan Yang, and Yanhui Wang
Opt. Lett. **51**(5), 1363-1366 (2026) View: HTML | PDF | Compressed PDF

☐ Optoelectronics

☐ **Self-powered 2D/3D heterojunction-based photodetectors with asymmetric MXene-layered electrodes**
Xiao Liu, Siteng Li, Mingjie Li, Yingtao Ding, and Huikai Xie
Opt. Lett. **51**(5), 1247-1250 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **Extremely low-efficiency roll-off and extended lifetime in hybrid WOLEDs based on a TADF forming co-host interlayer**
Qing Zhao, Asu Li, Xinyu Guo, Keming Chen, Fujun Zhang, Ping Chen, and Tianyu Zhang
Opt. Lett. **51**(5), 1291-1294 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **Self-powered silicon-based tubular 3D photodetector enabled by self-rolling of U-shaped graphene/III-V semiconductors heterostructure**
Xue He, Qi Wang, Mingyang Shen, Hao Liu, Jun Wang, Xueguang Yuan, Yangan Zhang, Kai Liu, Shiwei Cai, Yongqing Huang, and Xiaomin Ren
Opt. Lett. **51**(5), 1295-1298 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ Photonics in Computing

☐ **The role of modes in nonlinear fiber optical computing**
Firdevs Yüce, Bora Çarpınlıoğlu, and Uğur Teğin
Opt. Lett. **51**(5), 1239-1242 (2026) View: HTML | PDF

☐ Physical Optics

☐ **Temporal topological state transitions of optical skyrmion lattices**
Changhao Yi, Shuoshuo Zhang, Xuanren Jiang, Changjun Min, Luping Du, Yuquan Zhang, and Xiaocong Yuan
Opt. Lett. **51**(5), 1104-1107 (2026) View: HTML | PDF | Compressed PDF [Suppl. Mat. (1)]

☐ Quantum Optics and Quantum Communication

☐ **Mid-infrared entanglement in 220 nm silicon**
Sebastian G. Currie, Samuel W. A. Gears, Jeremy C. Adcock, Dominic A. Sulway, and Joshua W. Silverstone
Opt. Lett. **51**(5), 1072-1075 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ **Controllable nonreciprocal single-photon frequency conversion in a T-shape giant-atom waveguide-QED system**
Haozhen Li, Ran Zeng, Miao Hu, Mengmeng Xu, Xuefang Zhou, Xiuwen Xia, Jingping Xu, and Yaping Yang
Opt. Lett. **51**(5), 1108-1111 (2026) View: HTML | PDF

☐ **Probing subradiant dynamics in cold atomic ensembles via population and emitted light measurements**
Antoine Glicenstein, Daniel Benedicto Orenes, Apoorva Apoorva, Raphaël Saint-Jalm, and Robin Kaiser
Opt. Lett. **51**(5), 1279-1282 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ Spectroscopy

☐ **A steady-state rate equation inversion method for quantitative measurement of temperature-dependent absorption in strongly absorbing oxysalts**
Lixin Peng, Junshan Hu, Jia Fu, Xueying Zhang, Shihai Wei, Yuanyi Luo, and Zhiguo Zhang
Opt. Lett. **51**(5), 1211-1214 (2026) View: HTML | PDF [Suppl. Mat. (1)]

☐ Thin Films and Other Optical Design and Fabrication

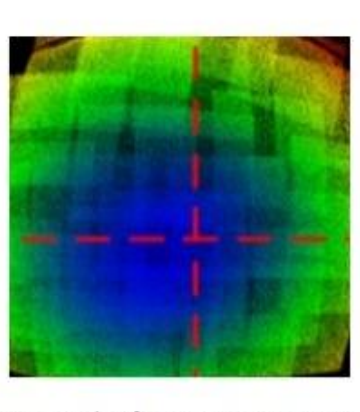
☐ **Structural color moiré dynamic patterns with multi-color motion effects**
Xiu Li, Xuehan Li, Haochuan Xu, Zhenlin Mao, Jiong Liang, Lixue Yang, and Min Huang
Opt. Lett. **51**(5), 1319-1322 (2026) View: HTML | PDF [Suppl. Mat. (3)]

☐ Ultrafast Optics

☐ **Low-noise generation of UV dispersive waves at 100 kHz**
Gautier Parize, Giovanni Cichelli, Michele Natile, Florent Guichard, Marc Hanna, and Patrick Georges
Opt. Lett. **51**(5), 1088-1091 (2026) View: HTML | PDF

Errata

☐ **Liquid volume fraction and droplet sizing in atomizing sprays using polarization ratio with dual structured laser illumination planar imaging: erratum**
Sebastien Garcia, Vassily Kornienko, Mehdi Stiti, Elias Kristensson, and Edouard Berrocal
Opt. Lett. **51**(5), 1204-1206 (2026) View: HTML | PDF



Photograph of an *ex vivo* porcine eye fixed in the custom fixture. For more, see the paper by Dong *et al.*, pp. 1168–1171.

TOPICS

Sort by Name | Total Articles
☆ My Topics
Login to access My Topics

- Diffraction and Gratings (1)
- Fiber Optics and Optical Communications (6)
- Fourier Optics, Image and Signal Processing (2)
- Holography (1)
- Imaging Systems (7)
- Integrated Optics (7)
- Lasers and Laser Optics (7)
- Materials and Metamaterials (10)
- Medical Optics and Biotechnology (2)
- Microscopy (1)
- Nonlinear Optics (4)
- Optical Devices (6)
- Optical Sensors, Measurements, and Metrology (8)
- Optoelectronics (3)
- Photonics in Computing (1)
- Physical Optics (1)
- Quantum Optics and Quantum Communication (3)
- Spectroscopy (1)
- Thin Films and Other Optical Design and Fabrication (1)
- Ultrafast Optics (1)

TODAY'S TOP DOWNLOADS

1. 3D-printed micro-optical dark-field condenser
2. High-quality high-throughput silicon laser milling using a 1 kW sub-picosecond laser
3. Extension of high-harmonic generation cutoff in solids to 50 eV using MgO
4. Optical phased array neural probes for beam-steering in brain tissue
5. Attosecond pulse walk-off in high-order harmonic generation

‹ Previous Issue

⬆ Top

Publishing Home
Journals
Conferences
Preprints (Optica Open)

INFORMATION FOR
Authors
Reviewers
Librarians

OPEN ACCESS INFORMATION
Open Access Statement and Policy
Terms for Journal Article Reuse

OTHER RESOURCES
Optica Open
Optica Publishing Group Bookshelf
Optics ImageBank
Optics & Photonics News
Spotlight on Optics
Optica Home

ACCESSIBILITY INFORMATION
OPG Accessibility Statement

ABOUT
About Optica Publishing Group
About My Account
Sign up for Alerts
Contact Us
Send Us Feedback

My Favorites ▾ Recent Pages ▾