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OMEx Feature Issue Call for Papers:
[Plasmonics and Hot Electrons](#) (Open)
Submission Deadline: 1 May 2021

[Hybrid Integrated Photonic Platforms](#) (Upcoming)
Submission Window: 1 May 2021 - 1 June 2021

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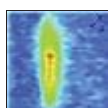
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[Al₂O₃ anti-reflection coatings with graded-refractive index profile for laser applications](#)

Chaoyi Yin, Meiping Zhu, Tingting Zeng, Jian Sun, Rongjun Zhang, Jiaoling Zhao, Longsheng Wang, and Jianda Shao

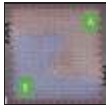
Opt. Mater. Express 11(3) 875-883 (2021)

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[Femtosecond laser writing low-loss waveguides in silica glass: highly symmetrical mode field and mechanism of refractive index change](#)

Dezhi Tan, Xiaoyu Sun, and Jianrong Qiu

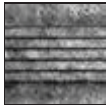
Opt. Mater. Express 11(3) 848-857 (2021)

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Recent progress in topological waveguides and nanocavities in a semiconductor photonic crystal platform [Invited]

Satoshi Iwamoto, Yasutomo Ota, and Yasuhiko Arakawa

Opt. Mater. Express 11(2) 319-337 (2021)

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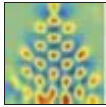
Effect of indium pre-flow on wavelength shift and crystal structure of deep green light emitting diodes

Shamsul Amir Abdul Rais, Zainuriah Hassan, Ahmad Shuhaimi Abu Bakar, Mohd Nazri Abd Rahman, Yusnizam Yusuf, Muhamad Ikram Md Taib, Abdullah Fadil Sulaiman, Hayatun Najiha Hussin, Mohd Fairus Ahmad, Mohd Natashah Norizan, Keiji Nagai, Yuka Akimoto, and Dai Shoji

Opt. Mater. Express 11(3) 926-935 (2021)

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EDITORS' PICK



Inducing topology in a wire medium based metamaterial [Invited]

Simon Yves, Geoffroy Lerosey, and Fabrice Lemoult

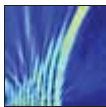
Opt. Mater. Express 11(3) 821-841 (2021)

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Sulfur-rich chalcogenide claddings for athermal and high-Q silicon microring resonators

Philippe Jean, Alexandre Douaud, Tristan Thibault, Sophie LaRoche, Younès Messaddeq, and Wei Shi

Opt. Mater. Express 11(3) 913-925 (2021)

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Generation of a polarization insensitive Airy beam using an all-dielectric metasurface

Bairui Wu, Bijun Xu, Xiaogang Wang, and Hao Ying

Opt. Mater. Express 11(3) 842-847 (2021)

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Monolithic growth of GaAs laser diodes on Si(001) by optimal AIAs nucleation with thermal cycle annealing

Young-Ho Ko, Kap-Joong Kim, and Won Seok Han

Opt. Mater. Express 11(3) 943-951 (2021)

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Low-autofluorescence, transparent composite for multiphoton 3D printing

George Flamourakis, Antonis Kordas, Georgios D. Barmparis, Anthi Ranella, and Maria Farsari

Opt. Mater. Express 11(3) 801-813 (2021)

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SPOTLIGHT



Continuous wavelength tuning from 3.9–12 μm from an optical parametric oscillator based on orientation-patterned GaP grown on GaAs

Peter G. Schunemann, Kerr Johnson, Carl Farrell, Luke Maidment, Yiwen Shi, Marius Rutkauskas, and Derryck T. Reid

Opt. Mater. Express 11(3) 654-663 (2021)

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