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Feature Issue: [Advanced Solid State Lasers 2019](#) (Joint Feature Issue with *Optical Materials Express*)

Submission Deadline: 26 November 2019

Feature Issue: [Asia-Pacific Optical Sensors Conference \(APOS\)](#)

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NEWS AND ANNOUNCEMENTS:

[Study Reveals How Age Affects Perception of White LED Light](#)

Although LEDs are increasingly used in low-energy lighting and displays, consumers sometimes find their light harsh or unpleasant. Findings from a new study point to the need to take age-related perception differences into account when designing white LED lighting that is more pleasing to the eye...[read more](#).

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The OSA Board of Editors welcomes nominations for the position of Editor-in-Chief of [Applied Optics](#), with a three-year term to begin 1 January 2021. View the full [Announcement](#) for more information about the required qualifications and nomination process.



[Deep learning for accelerated all-dielectric metasurface design](#)

Christian C. Nadell, Bohao Huang, Jordan M. Malof, and Willie J. Padilla

Opt. Express **27**(20) 27523-27535 (2019) **View:** [HTML](#) | [PDF](#)



[Ultralow-loss tightly confining Si₃N₄ waveguides and high-Q microresonators](#)

Houssein El Dirani, Laurene Youssef, Camille Petit-Etienne, Sebastien Kerdiles, Philippe Grosse, Christelle Monat, Erwine Pargon, and Corrado Sciancalepore

Opt. Express **27**(21) 30726-30740 (2019) **View:** [HTML](#) | [PDF](#) Editors' Pick



[Fiber-optic transmission and networking: the previous 20 and the next 20 years \[Invited\]](#)

Peter J. Winzer, David T. Neilson, and Andrew R. Chraplyvy

Opt. Express **26**(18) 24190-24239 (2018) **View:** [HTML](#) | [PDF](#) Editors' Pick

[Photoluminescence emission and Raman response of monolayer MoS₂, MoSe₂, and WSe₂](#)

Philipp Tonndorf, Robert Schmidt, Philipp Böttger, Xiao Zhang, Janna Börner, Andreas Liebig, Manfred Albrecht, Christian Kloc, Ovidiu Gordan, Dietrich R. T. Zahn, Steffen Michaelis de Vasconcellos, and Rudolf Bratschitsch

Opt. Express **21**(4) 4908-4916 (2013) [View: HTML](#) | [PDF](#)

[Evaluation of thermal expansion coefficient of carbon fiber reinforced composites using electronic speckle interferometry](#)

Chengzhi Dong, Kai Li, Yuxi Jiang, Dwayne Arola, and Dongsheng Zhang

Opt. Express **26**(1) 531-543 (2018) [View: HTML](#) | [PDF](#)

[Human perception of light chromaticity: short-wavelength effects in spectra with low circadian stimulation, and broader implications for general LED sources](#)

Aurelien David, Dane Sahlhoff, and Michael Wisser

Opt. Express **27**(22) 31553-31566 (2019) [View: HTML](#) | [PDF](#) Editors' Pick

[Advances in optical metasurfaces: fabrication and applications \[Invited\]](#)

Vin-Cent Su, Cheng Hung Chu, Greg Sun, and Din Ping Tsai

Opt. Express **26**(10) 13148-13182 (2018) [View: HTML](#) | [PDF](#) Editors' Pick

[Analyses of multi-color plant-growth light sources in achieving maximum photosynthesis efficiencies with enhanced color qualities](#)

Tingzhu Wu, Yue Lin, Lili Zheng, Ziquan Guo, Jianxing Xu, Shijie Liang, Zhuguang Liu, Yijun Lu, Tien-mo Shih, and Zhong Chen

Opt. Express **26**(4) 4135-4147 (2018) [View: HTML](#) | [PDF](#)

[Large depth-of-field 3D shape measurement using an electrically tunable lens](#)

Xiaowei Hu, Guijin Wang, Yujin Zhang, Huazhong Yang, and Song Zhang

Opt. Express **27**(21) 29697-29709 (2019) [View: HTML](#) | [PDF](#) [Suppl. Mat. (7)]

[Fourier light-field microscopy](#)

Changliang Guo, Wenhao Liu, Xuanwen Hua, Haoyu Li, and Shu Jia

Opt. Express **27**(18) 25573-25594 (2019) [View: HTML](#) | [PDF](#) [Suppl. Mat. (4)] Editors' Pick

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