

IEEE JOURNAL OF QUANTUM ELECTRONICS

A PUBLICATION OF THE IEEE PHOTONICS SOCIETY



This Print Collection Contains the Following Issues:

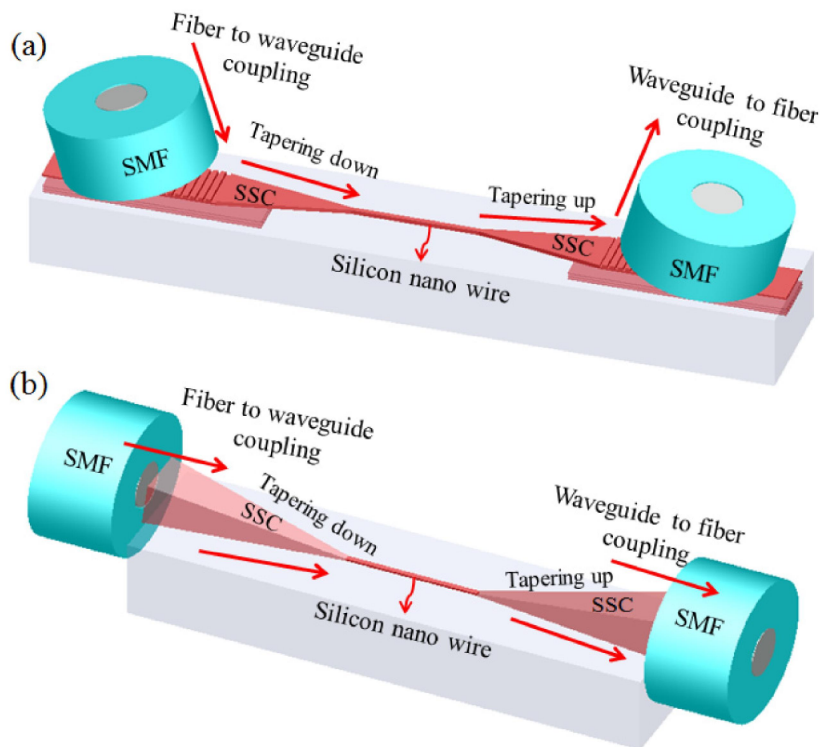
SEPTEMBER 2016
OCTOBER 2016

VOLUME 52
VOLUME 52

NUMBER 9
NUMBER 10

IEJQA7
IEJQA7

(ISSN 0018-9197)
(ISSN 0018-9197)



Typical coupling structures; (a): grating coupling, (b): tapered butt coupling (Khandokar *et al.*, Article #8400106).

For the September 2016 issue, see Article #0100901 for the Table of Contents.

For the October 2016 issue, see Article #0101001 for the Table of Contents.

IEEE JOURNAL OF QUANTUM ELECTRONICS

OCTOBER 2016

VOLUME 52

NUMBER 10

IEJQA7

(ISSN 0018-9197)

REGULAR PAPERS

<i>Distributed Feedback Lasers</i>	
Optically Pumped Continuously Tunable Mid-IR Distributed-Feedback Semiconductor Laser	2200210
..... X. He, S. Benoit, R. Kaspi, and S. R. J. Brueck	
<i>Surface-Emitting Semiconductor Lasers</i>	
Enhancement of Chaos Bandwidth in VCSELs Induced by Simultaneous Orthogonal Optical Injection and Optical Feedback	2400609
..... A. Quirce, Á. Valle, H. Thienpont, and K. Panajotov	
<i>Photodetectors</i>	
Fast Active-Quenching Circuit for Free-Running InGaAs(P)/InP Single-Photon Avalanche Diodes	4000306
..... J. Liu, Y. Li, L. Ding, Y. Wang, T. Zhang, Q. Wang, and J. Fang	
<i>Optoelectronic Devices</i>	
Modeling and Design of Delay-Line Optoelectronic Oscillators	5000108
..... K. Mikitchuk, A. Chizh, and S. Malyshev	
<i>Modeling and Theory of Light Propagation</i>	
Coupled Mode Theory of Optomechanical Crystals	6100406
..... S. Khorasani	
<i>Photonic Crystal Devices</i>	
Adaptive Graded Index Photonic Crystal Lens Design via Nematic Liquid Crystals	6400607
..... I. H. Giden, N. Eti, B. Rezaei, and H. Kurt	
<i>Plasmonics</i>	
An Analytical Formulation Enabling Analysis of Resonance Eigenmodes and Their Interferences in Scattering From Plasmonic Nanostructures, Applications in Engineering the Radiation Loss	7200209
..... M. S. Khajeahsani, A. Shahmansouri, and B. Rashidian	
<i>Optical Communication</i>	
Bandwidth Improvement Using Adaptive Loading Scheme in Optical Direct-Detection OFDM	8000106
..... Z. Yu, H. Chen, M. Chen, S. Yang, and S. Xie	
<i>Silicon Photonics</i>	
Model Analysis of Ridge and Rib Types of Silicon Waveguides With Void Compositions	8400207
..... N. Eti and H. Kurt	

IEEE JOURNAL OF QUANTUM ELECTRONICS (ISSN 0018-9197) is published monthly by The Institute of Electrical and Electronics Engineers, Inc. Responsibility for the contents rests upon the authors and not upon the IEEE, the Society/Council, or its members. **IEEE Corporate Office:** 3 Park Avenue, 17th Floor, New York, NY 10016-5997. **IEEE Operations Center:** 445 Hoes Lane, Piscataway, NJ 08854-4141. **NJ Telephone:** +1 732 981 0060. **Price/Publication Information:** Individual copies: IEEE Member \$20.00 (first copy only), nonmembers \$434.00 per copy. (Note: Postage and handling charge not included.) Member and nonmember subscription prices available upon request. Available in microfiche and microfilm. **Copyright and Reprint Permissions:** Abstracting is permitted with credit to the source. Libraries are permitted to photocopy for private use of patrons, provided the per-copy fee of \$31.00 is paid through the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923. For all other copying, reprint, or republication permission, write to Copyrights and Permissions Department, IEEE Publications Administration, 445 Hoes Lane, Piscataway, NJ 08854-4141. Copyright © 2016 by The Institute of Electrical and Electronics Engineers, Inc. All rights reserved. **Postmaster:** Send address changes to IEEE JOURNAL OF QUANTUM ELECTRONICS, IEEE, 445 Hoes Lane, Piscataway, NJ 08854-4141. GST Registration No. 125634188. IEEE prohibits discrimination, harassment and bullying. For more information visit <http://www.ieee.org/nondiscrimination>. Printed in U.S.A.