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JOURNAL OF SYNCHROTRON RADIATION

Volume: 12

Pages: 537-541

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Published: JUL 2005

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2. Graphene photonics and optoelectronics

By: Bonaccorso, F.; Sun, Z.; Hasan, T.; et al.

NATURE PHOTONICS

Volume: 4

Issue: 9

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Published: SEP 2010

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3. Cutting-edge terahertz technology

By: Tonouchi, Masayoshi

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Published: FEB 2007

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4. Bulk heterojunction solar cells with internal quantum efficiency approaching 100%

By: Park, Sung Heum; Roy, Anshuman; Beaupre, Serge; et al.

NATURE PHOTONICS

Volume: 3

Issue: 5

Pages: 297-U5

Published: MAY 2009

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5. The emergence of perovskite solar cells

By: Green, Martin A.; Ho-Baillie, Anita; Snaith, Henry J.

NATURE PHOTONICS

Volume: 8

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Published: JUL 2014

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6. Enhanced power-conversion efficiency in polymer solar cells using an inverted device structure

By: He, Zhicai; Zhong, Chengmei; Su, Shijian; et al.

NATURE PHOTONICS

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- ☐ 14. **The HITRAN2012 molecular spectroscopic database**
By: Rothman, L. S.; Gordon, I. E.; Babikov, Y.; et al.
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER Volume: 130
Special Issue: SI Pages: 4-50 Published: NOV 2013
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Times Cited: **2,273**
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- ☐ 15. **Terabit free-space data transmission employing orbital angular momentum multiplexing**
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NATURE PHOTONICS Volume: 6 Issue: 7 Pages: 488-496 Published: JUL 2012
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By: Shalaev, Vladimir M.
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Times Cited: **2,074**
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- ☐ 17. **Efficient inorganic-organic hybrid heterojunction solar cells containing perovskite compound and polymeric hole conductors**
By: Heo, Jin Hyuck; Im, Sang Hyuk; Noh, Jun Hong; et al.
NATURE PHOTONICS Volume: 7 Issue: 6 Pages: 487-492 Published: JUN 2013
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- ☐ 18. **First lasing and operation of an angstrom-wavelength free-electron laser**
By: Emma, P.; Akre, R.; Arthur, J.; et al.
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- ☐ 19. **Perovskite solar cells with a planar heterojunction structure prepared using room-temperature solution processing techniques**
By: Liu, Diany; Kelly, Timothy L.
NATURE PHOTONICS Volume: 8 Issue: 2 Pages: 133-138 Published: FEB 2014
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Times Cited: **1,934**
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- ☐ 20. **Graphene plasmonics**
By: Grigorenko, A. N.; Polini, M.; Novoselov, K. S.
NATURE PHOTONICS Volume: 6 Issue: 11 Pages: 749-758 Published: NOV 2012
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- ☐ 21. **Femtosecond laser micromachining in transparent materials**
By: Gattass, Rafael R.; Mazur, Eric
NATURE PHOTONICS Volume: 2 Issue: 4 Pages: 219-225 Published: APR 2008
Times Cited: **1,879**
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By: Novotny, Lukas; van Hulst, Niek
NATURE PHOTONICS Volume: 5 Issue: 2 Pages: 83-90 Published: FEB 2011 | Times Cited: 1,849
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| ☐ 23. | Nano-optics from sensing to waveguiding
By: Lal, Surbhi; Link, Stephan; Halas, Naomi J.
NATURE PHOTONICS Volume: 1 Issue: 11 Pages: 641-648 Published: NOV 2007 | Times Cited: 1,685
<i>(from Web of Science Core Collection)</i>

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By: Zhan, Qiwen
ADVANCES IN OPTICS AND PHOTONICS Volume: 1 Issue: 1 Pages: 1-57 Published: JAN 2009 | Times Cited: 1,600
<i>(from Web of Science Core Collection)</i>

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| ☐ 25. | Space-division multiplexing in optical fibres
By: Richardson, D. J.; Fini, J. M.; Nelson, L. E.
NATURE PHOTONICS Volume: 7 Issue: 5 Pages: 354-362 Published: MAY 2013 | Times Cited: 1,574
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| ☐ 26. | Nonlinear plasmonics
By: Kauranen, Martti; Zayats, Anatoly V.
NATURE PHOTONICS Volume: 6 Issue: 11 Pages: 737-748 Published: NOV 2012 | Times Cited: 1,574
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| ☐ 27. | Microwave Photonics
By: Yao, Jianping
JOURNAL OF LIGHTWAVE TECHNOLOGY Volume: 27 Issue: 1-4 Pages: 314-335 Published: JAN-FEB 2009 | Times Cited: 1,564
<i>(from Web of Science Core Collection)</i>

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| ☐ 28. | Graphene photodetectors for high-speed optical communications
By: Mueller, Thomas; Xia, Fengnian; Avouris, Phaedon
NATURE PHOTONICS Volume: 4 Issue: 5 Pages: 297-301 Published: MAY 2010 | Times Cited: 1,558
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| ☐ 29. | Microwave photonics combines two worlds
By: Capmany, Jose; Novak, Dalma
NATURE PHOTONICS Volume: 1 Issue: 6 Pages: 319-330 Published: JUN 2007 | Times Cited: 1,533
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| ☐ 30. | Lead-free solid-state organic-inorganic halide perovskite solar cells
By: Hao, Feng; Stoumpos, Constantinos C.; Duyen Hanh Cao; et al.
NATURE PHOTONICS Volume: 8 Issue: 6 Pages: 489-494 Published: JUN 2014

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| ☐ 31. | Advances in quantum metrology
By: Giovannetti, Vittorio; Lloyd, Seth; Maccone, Lorenzo
NATURE PHOTONICS Volume: 5 Issue: 4 Pages: 222-229 Published: APR 2011

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<i>(from Web of Science Core Collection)</i>

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By: Yao, Alison M.; Padgett, Miles J.
ADVANCES IN OPTICS AND PHOTONICS Volume: 3 Issue: 2 Pages: 161-204
Published: JUN 2011

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By: Cai, Wenshan; Chettiar, Uday K.; Kildishev, Alexander V.; et al.
NATURE PHOTONICS Volume: 1 Issue: 4 Pages: 224-227 Published: APR 2007

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| ☐ 34. | Status and future of high-power light-emitting diodes for solid-state lighting
By: Krames, Michael R.; Shchekin, Oleg B.; Mueller-Mach, Regina; et al.
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By: Oulton, R. F.; Sorger, V. J.; Genov, D. A.; et al.
NATURE PHOTONICS Volume: 2 Issue: 8 Pages: 496-500 Published: AUG 2008

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- By: [Kinkhabwala, Anika](#); [Yu, Zongfu](#); [Fan, Shanhui](#); et al.
NATURE PHOTONICS Volume: 3 Issue: 11 Pages: 654-657 Published: NOV 2009
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38. **Single-junction polymer solar cells with high efficiency and photovoltage**
 By: [He, Zhicai](#); [Xiao, Biao](#); [Liu, Feng](#); et al.
NATURE PHOTONICS Volume: 9 Issue: 3 Pages: 174-179 Published: MAR 2015
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39. **Emergence of colloidal quantum-dot light-emitting technologies**
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40. **Two-dimensional material nanophotonics**
 By: [Xia, Fengnian](#); [Wang, Han](#); [Xiao, Di](#); et al.
NATURE PHOTONICS Volume: 8 Issue: 12 Pages: 899-907 Published: DEC 2014
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41. **Photonics and optoelectronics of 2D semiconductor transition metal dichalcogenides**
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42. **Prospects for LED lighting**
 By: [Pimputkar, Siddha](#); [Speck, James S.](#); [DenBaars, Steven P.](#); et al.
NATURE PHOTONICS Volume: 3 Issue: 4 Pages: 179-181 Published: APR 2009
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43. **Capacity Limits of Optical Fiber Networks**
 By: [Essiambre, Rene-Jean](#); [Kramer, Gerhard](#); [Winzer, Peter J.](#); et al.
JOURNAL OF LIGHTWAVE TECHNOLOGY Volume: 28 Issue: 4 Pages: 662-701
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High power fiber lasers: current status and future perspectives

By: Richardson, D. J.; Nilsson, J.; Clarkson, W. A.

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46. Tandem polymer solar cells featuring a spectrally matched low-bandgap polymer

By: Dou, Letian; You, Jingbi; Yang, Jun; et al.

NATURE PHOTONICS Volume: 6 Issue: 3 Pages: 180-185 Published: MAR 2012



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47. Efficient blue organic light-emitting diodes employing thermally activated delayed fluorescence

By: Zhang, Qisheng; Li, Bo; Huang, Shuping; et al.

NATURE PHOTONICS Volume: 8 Issue: 4 Pages: 326-332 Published: APR 2014



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48. Nanowire photonics

By: Yan, Ruoxue; Gargas, Daniel; Yang, Peidong

NATURE PHOTONICS Volume: 3 Issue: 10 Pages: 569-576 Published: OCT 2009



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49. Omni-directional reflectors for light-emitting diodes

By: Kim, Jong Kyu; Xi, J. -Q.; Schubert, E. Fred

Conference: Conference on Light-Emitting Diodes - Research, Manufacturing, and Application X Location: San Jose, CA Date: JAN 25-26, 2006
Sponsor(s): SPIE; Lumileds Light LLC; USA Res Off

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50. Negative index of refraction in optical metamaterials

By: Shalaev, VM; Cai, WS; Chettiar, UK; et al.

OPTICS LETTERS Volume: 30 Issue: 24 Pages: 3356-3358 Published: DEC 15 2005



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