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- Highly efficient GaAs solar cells by limiting light emission angle**
Emily D Kosten, Jackson H Atwater, James Parsons, Albert Polman & Harry A Atwater
Light Sci Appl **2**, e45 (2013). DOI: 10.1038/lisa.2013.1
- Surface brightens up Si quantum dots: direct bandgap-like size-tunable emission**
Kateřina Dohnalová, Alexander N Poddubny, Alexei A Prokofiev, Wieteke DAM de Boer, Chinnaswamy P Umesh, Jos MJ Paulusse, Han Zuilhof & Tom Gregorkiewicz
Light Sci Appl **2**, e47 (2013). DOI: 10.1038/lisa.2013.3
- New yellow Ba_{0.93}Eu_{0.07}Al₂O₄ phosphor for warm-white light-emitting diodes through single-emitting-center conversion**
Xufan Li, John D Budai, Feng Liu, Jane Y Howe, Jiahua Zhang, Xiao-Jun Wang, Zhanjun Gu, Chengjun Sun, Richard S Meltzer & Zhengwei Pan
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- Helicity dependent directional surface plasmon polariton excitation using a metasurface with interfacial phase discontinuity**
Lingling Huang, Xianzhong Chen, Benfeng Bai, Qiaofeng Tan, Guofan Jin, Thomas Zentgraf & Shuang Zhang
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- Ultra-thin, planar, Babinet-inverted plasmonic metalenses**
Xingjie Ni, Satoshi Ishii, Alexander V Kildishev & Vladimir M Shalaev
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- Plasmonics for solid-state lighting: enhanced excitation and directional emission of highly efficient light sources**
Gabriel Lozano, Davy J Louwers, Said RK Rodríguez, Shunsuke Murai, Olaf TA Jansen, Marc A Verschuuren & Jaime Gómez Rivas
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- A systematic study on efficiency enhancements in phosphorescent green, red and blue microcavity organic light emitting devices**
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- Exceeding the limit of plasmonic light trapping in textured screen-printed solar cells using Al nanoparticles and wrinkle-like graphene sheets**
Xi Chen, Baohua Jia, Yinan Zhang & Min Gu
Light Sci Appl **2**, e92 (2013). DOI: 10.1038/lisa.2013.48
- Functionalized polymer nanofibers: a versatile platform for manipulating light at the nanoscale**
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Ji Hye Oh, Su Ji Yang & Young Rag Do
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12. [Ultrafast lasers-reliable tools for advanced materials processing](#)
Koji Sugioka & Ya Cheng
Light Sci Appl **3**, e149 (2014). DOI: 10.1038/lisa.2014.30
13. [Metallic nanostructures for light trapping in energy-harvesting devices](#)
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14. [Adaptive optical microscopy: the ongoing quest for a perfect image](#)
Martin J Booth
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Ebrahim Karimi, Sebastian A Schulz, Israel De Leon, Hammam Qassim, Jeremy Upham & Robert W Boyd
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17. [Light scattering and surface plasmons on small spherical particles](#)
Xiaofeng Fan, Weitao Zheng & David J Singh
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18. [Design and fabrication of broadband ultralow reflectivity black Si surfaces by laser micro/nanoprocessing](#)
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26. [Optical tuning of exciton and trion emissions in monolayer phosphorene](#)
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27. [Broadband diffusion of terahertz waves by multi-bit coding metasurfaces](#)
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