

- [7] Lee, J., Slights, M., Lee, K., Zhang, Y. & Forrest, S. R. An electrophosphorescent organic light emitting concentrator *Light Sci. Appl.* **3**, e181 (2014).
- [8] Zhang, S., Turnbull, G. A. & Samuel, I. D. W. Highly Directional Emission and Beam Steering from Organic Light-Emitting Diodes with a Substrate Diffractive Optical Element *Adv. Opt. Mater.* **2**, 343-347 (2014).
- [9] Melpignano, P. *et al.* Efficient light extraction and beam shaping from flexible, optically integrated organic light-emitting diodes *Appl. Phys. Lett.* **88**, 153514 (2006)
- [10] Furno, M., Meerheim, R., Hofmann, S., Lüssem, B. & Leo, K. Efficiency and rate of spontaneous emission in organic electroluminescent devices *Phys. Rev. B* **85**, 115205 (2012).
- [11] Fröbel, M. *et al.* Get it white: color-tunable AC/DC OLEDs *Light Sci. Appl.* **4**, e247 (2015).
- [12] Reineke, S. *et al.* Measuring carrier mobility in conventional multilayer organic light emitting devices by delayed exciton generation *Phys. Status Solidi (b)* **245**, 804 – 809 (2008).
- [13] Kasemann, D., Brückner, R., Fröb, H. & Leo, K. Organic light-emitting diodes under high currents explored by transient electroluminescence on the nanosecond scale *Phys. Rev. B* **84**, 115208 (2011).
- [14] Bechtold, P., Hohenstein, R. & Schmidt, M. Beam shaping and high-speed, cylinder-lens-free beam guiding using acousto-optical deflectors without additional compensation optics *Opt. Express* **21**, 14627-14635 (2013).
- [15] Schenk, H. *et al.*, Micro Mirrors for High-speed Laser Deflection and Patterning *Phys. Procedia* **56**, 7-18 (2014).
- [16] Cheng, J., Gu, C., Zhang, D. & Chen, S.-C. High-speed femtosecond laser beam shaping based on binary holography using a digital micromirror device *Opt. Lett.* **40**, 4875-4878 (2015).
- [17] Huang, J. *et al.* Low-voltage organic electroluminescent devices using pin structures *Appl. Phys. Lett.* **80**, 139-141 (2002).
- [18] Reineke, S., Walzer, K. & Leo, K. Triplet-exciton quenching in organic phosphorescent light-emitting diodes with Ir-based emitters *Phys. Rev. B* **75**, 125328 (2007).
- [19] Suzuki, K. *et al.* Photophysical study of iridium complexes by absolute photoluminescence quantum yield measurements using an integrating sphere *Proc. SPIE* **7415**, 741504 (2009).
- [20] Chen, X.-W., Choy, W. C. H., He, S. & Chui, P. C. Comprehensive analysis and optimal design of top-emitting organic light-emitting devices *J. Appl. Phys.* **11**, 113107 (2007).
- [21] Neyts, K. A. Simulation of light emission from thin-film microcavities *J. Opt. Soc. Am. A* **15**, 962 (1998).
- [22] Purcell, E. M. Spontaneous emission probabilities at radio frequencies *Phys. Rev.* **69**, 681 (1946)
- [23] Mladenovski, S., Neyts, K., Pavicic, D., Werner, A. & Rothe, C. Exceptionally efficient organic light emitting devices using high refractive index substrates *Opt. Express* **17**, 7562-7570 (2009).