Research output

1. **Time-resolved microfluidic flow cytometer for decoding luminescence lifetimes in the microsecond region.** / Wang, Yan; Sayyadi, Nima; Zheng, Xianlin; Woods, Travis A.; Leif, Robert C.; Shi, Bingyang; Graves, Steven W.; Piper, James A.; Lu, Yiqing.


3. **Efficient upconverting carbon nitride nanotubes for near-infrared-driven photocatalytic hydrogen production.** / Zhu, Yuxiang; Zheng, Xianlin; Lu, Yiqing; Yang, Xiaoxia; Kheradmand, Amanj; Jiang, Yijiao.

4. **3D sub-diffraction imaging in a conventional confocal configuration by exploiting super-linear emitters.** / Denkova, Denitza; Ploschner, Martin; Das, Minakshi; Parker, Lindsay; Zheng, Xianlin; Lu, Yiqing; Orth, Antony; Packer, Nicola; Piper, James.

5. **Label-free fluorescent poly(amideamine) dendrimer for traceable and controlled drug delivery.** / Wang, Guoying; Fu, Libing; Walker, Adam; Chen, Xianfeng; Lovejoy, David B.; Hao, Mingcong; Lee, Albert; Chung, Roger; Rizos, Helen; Irvine, Mal; Meng, Liu; Xiuhua; Lu, Yiqing; Shi, Bingyang.
   In: Biomacromolecules, Vol. 20, No. 5, 13.05.2019, p. 2148-2158.

6. **Developing a pH-sensitive Al(OH)₃ layer-mediated UCNP@Al(OH)₃/Au nanohybrid for photothermal therapy and fluorescence imaging in vivo.** / Chen, Jian; Zhang, Dongya; Zou, Yah; Wang, Zhongjie; Hao, Mingcong; Zheng, Meng; Xue, Xue; Pan, Xiaoxi; Lu, Yiqing; Wang, Jiefei; Shi, Bingyang.

7. **Lifetime-engineered NIR-II nanoparticles unlock multiplexed in vivo imaging.** / Fan, Yong; Wang, Peiyuan; Lu, Yiqing; Wang, Wei; Zhou, Lei; Zheng, Xianlin; Li, Xiaomin; Piper, James; Zhang, Fan.

8. **DNA nanoclew templated spherical nucleic acids for siRNA delivery.** / Ruan, Weimin; Zheng, Meng; An, Yang; Liu, Yuanyuan; Lovejoy, David; Hao, Mingcong; Zou, Yan; Lee, Albert; Yang, Shu; Lu, Yiqing; Morsch, Marco; Chung, Roger; Shi, Bingyang.

9. **A Versatile upconversion surface evaluation platform for bio-nano surface selection for the nervous system.** / Fu, Libing; Morsch, Marco; Shi, Bingyang; Wang, Guoying; Lee, Albert; Radford, Rowan; Lu, Yiqing; Jin, Dayong; Chung, Roger.

10. **Amplified stimulated emission in upconversion nanoparticles for super-resolution nanoscopy.** / Liu, Yujia; Lu, Yiqing; Yang, Xusan; Zheng, Xianlin; Wen, Shihui; Wang, Fan; Vidal Asensio, Xavier; Zhao, Jiangbo; Liu, Deming; Zhou, Zhiguang; Ma, Chenshuo; Zhou, Jiajia; Piper, James A.; Xi, Peng; Jin, Dayong.

11. **Deep-penetrating photodynamic therapy with KillerRed mediated by upconversion nanoparticles.** / Liang, Lien; Lu, Yiqing; Zhang, Run; Care, Andrew; Ortega, Tiago A.; Deyev, Sergey M.; Qian, Yi; Zvyagin, Andrei V.

12. **Stable upconversion nanohybrid particles for specific prostate cancer cell immunodetection.** / Shi, Yu; Shi, Bingyang; Dass, Arun V Everest; Lu, Yiqing; Sayyadi, Nima; Kautoo, Lisa; Willows, Robert D.; Chung, Roger; Piper, James; Nevalainen, Helena; Walsh, Bradley; Jin, Dayong; Packer, Nicolle H.

13. **Emission stability and reversibility of upconversion nanocrystals.** / Liu, Deming; Xu, Xiaoxue; Wang, Fan; Zhou, Jiajia; Mi, Chao; Zhang, Lixin; Lu, Yiqing; Ma, Chenshuo; Goldys, Ewa; Lin, Jun; Jin, Dayong.
14. Facile assembly of functional upconversion nanoparticles for targeted cancer imaging and photodynamic therapy. / Liang, Liuen; Care, Andrew; Zhang, Run; Lu, Yiqing; Packer, Nicolle H.; Sunna, Anwar; Qian, Yi; Zvyagin, Andrei V. In: ACS Applied Materials and Interfaces, Vol. 8, No. 19, 18.05.2016, p. 11945-11953.


16. Phosphorylated Peptide Functionalization of Lanthanide Upconversion Nanoparticles for Tuning Nanomaterial-Cell Interactions. / Yao, Chi; Wei, Caiyi; Huang, Zhi; Lu, Yiqing; El-Toni, Ahmed Mohamed; Ju, Dianwen; Zhang, Xiangmin; Wang, Wenning; Zhang, Fan. In: ACS Applied Materials and Interfaces, Vol. 8, No. 11, 23.03.2016, p. 6935-6943.


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31. **LOSOM: phase relief imaging can be achieved with confocal system.** / Peng, Tong; Xie, Hao; Ding, Yichen; Lu, Yiqing; Jin, Dayong; Xi, Peng. Optics in Health Care and Biomedical Optics V: 5-7 November 2012, Beijing, China. ed. / Qingming Luo; Ying Gu; Xingde D. Li. Bellingham, Washington : SPIE, 2012. p. 85531C-1-85531C-6 85531C (Proceedings of SPIE; Vol. 8553), (Progress in biomedical optics and imaging; Vol. 13, No. 42).


33. **Automated detection of rare-event pathogens through time-gated luminescence scanning microscopy.** / Lu, Yiqing; Jin, Dayong; Leif, Robert C.; Deng, Wei; Piper, James A.; Yuan, Jingli; Duan, Yusheng; Huo, Yujing. In: Cytometry Part A, Vol. 79A, No. 5, 05.2011, p. 349-355.

34. **Advances in lanthanide bioprobes and high-throughput background-free biophotonics sensing.** / Jin, Dayong; Lu, Yiqing; Zhao, Jiangbo; Deng, Wei; Lu, Jie; Piper, James A. Conference on Lasers and Electro-Optics/Pacific Rim, CLEOPR 2011. Sydney, Australia : Institute of Electrical and Electronics Engineers (IEEE), 2011. p. 80-82.
