Research output

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

3. **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.

4. **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.

5. **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.

6. **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.

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

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

9. **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.

10. **High-Contrast Visualization of Upconversion Luminescence in Mice Using Time-Gating Approach.** / Zheng, Xianlin; Zhu, Xingjun; Lu, Yiqing; Zhao, Jiangbo; Feng, Wei; Jia, Guohua; Wang, Fan; Li, Fuyou; Jin, Dayong.

11. **Phosphorylated Peptide Functionalization of Lanthanide Upconversion Nanoparticles for Tuning Nanomaterial-Cell Interactions.** / Yao, Chi; Wei, Caiyi; Huang, Zhi; Lu, Yiqing; El-Toni, Ahmed Mohamed; Du, Dianwen; Zhang, Xiaomin; Wang, Wenning; Zhang, Fan.
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12. **Nanostructured Silicon-Based Fingerprint Dusting Powders for Enhanced Visualization and Detection by Mass Spectrometry.** / Guinan, Taryn M.; Kobus, Hilton; Lu, Yiqing; Sweetman, Martin; Mclnnes, Steven J P; Kirkbride, K. Paul; Voelcker, Nicolas H.

13. **One-step conjugation of glycyrrhetinic acid to cationic polymers for high-performance gene delivery to cultured liver cell.** / Cong, Yue; Shi, Bingyang; Lu, Yiqing; Wen, Shihui; Chung, Roger; Jin, Dayong.


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30. **Advances in lanthanide bioprobes and high-throughput background-free biophotonics sensing.** / Jin, Dayong; Lu, Yiqing; Zhao, Jiangbo; Deng, Wei; Lu, Jie; Piper, James A. 

31. **Cytometric investigation of rare-events featuring time-gated detection and high-speed stage scanning.** / Lu, Yiqing; Piper, James A.; Huo, Yujing; Jin, Dayong. 

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