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Research output

1. Aspect ratio of PEGylated upconversion nanocrystals affects the cellular uptake in vitro and in vivo. / Fu, Libing; Shi, Bingyang; Wen, Shihui; Morsch, Marco; Wang, Guoying; Zhou, Zhiguang; Mi, Chao; Sadraeian, Mohammad; Lin, Gungun; Lu, Yiqing; Jin, Dayong; Chung, Roger.  

2. Assessing the activity of antibodies conjugated to upconversion nanoparticles for immunolabeling. / Cao, Yueying; Wu, Jinhua; Zheng, Xianlin; Lu, Yanling; Piper, James A.; Lu, Yiqing; Packer, Nicolle H.  

3. Homogenization of optical field in nanocrystal-embedded perovskite composites. / Hou, Yuchen; Zhang, Jun; Zheng, Xianlin; Lu, Yiqing; Pogrebnyakov, Alexej; Wu, Haodong; Yoon, Jungjin; Yang, Dong; Zheng, Luyao; Gopalan, Venkatraman; Brown, Thomas M.; Piper, James A.; Wang, Kai; Priya, Shashank.  

4. Quantifying the influence of inert shell coating on luminescence brightness of lanthanide upconversion nanoparticles. / Ren, Peng; Zheng, Xianlin; Zhang, Jun; De Camillis, Simone; Jia, Jianguo; Wang, Hao; Liao, Xiaozhou; Piper, James A.; Lu, Yiqing.  
   In: ACS Photonics, Vol. 9, No. 3, 16.03.2022, p. 758-764.

5. Brain-targeted aggregation-induced-emission nanoparticles with near-infrared imaging at 1550 nm boosts orthotopic glioblastoma theranostics. / Wang, Jiefei; Liu, Yisheng; Morsch, Marco; Lu, Yiqing; Shangguan, Ping; Han, Lulu; Wang, Zhongjie; Chen, Xiaoyu; Song, Chenhui; Liu, Shunjie; Shi, Bingyang; Tang, Ben Zhong.  

6. Liftime multiplexing with lanthanide complexes for luminescence in situ hybridisation. / Jia, Jianguo; Ren, Peng; Hu, Honghua; Sayyadi, Nima; Parvin, Farhana; Zheng, Xianlin; Shi, Bingyang; Piper, James A.; Song, Bo; Vickery, Karen; Lu, Yiqing.  

7. Tuning the elasticity of polymersomes for brain tumor targeting. / Zheng, Meng; Du, Qiuli; Wang, Xin; Zhou, Yuan; Li, Jia; Xia, Xue; Lu, Yiqing; Yin, Jinlong; Zou, Yan; Park, Jong Bae; Shi, Bingyang.  

8. Liftime-engineered ruby nanoparticles (Tau-Rubies) for multiplexed imaging of μ-opioid receptors. / Yang, Xiaohong; Maleki, Alireza; Lipsey, Nikolay A.; Zheng, Xianlin; Santiago, Marina; Connor, Mark; Sreenivasan, Varun K. A.; Dawes, Judith M.; Lu, Yiqing; Zvyagin, Andrei V.  

9. Chemical compounds with a neuroprotective effect from the seeds of Celosia argentea L. / Guo, Jinggong; Shen, Shan; Zhang, Xiao; Wang, Guoying; Lu, Yiqing; Lu, Xiping; Wang, Shuyun; Li, Qin; Cong, Yue; Shi, Bingyang.  

10. Light-emitting diode excitation for upconversion microscopy : a quantitative assessment. / Cao, Yueying; Zheng, Xianlin; De Camillis, Simone; Shi, Bingyang; Piper, James A.; Packer, Nicolle H.; Lu, Yiqing.  

11. The feasibility of Miltuximab®-IRDye700DX-mediated photoinmunotherapy of solid tumors. / Polikarpov, Dmitry M.; Campbell, Douglas H.; Lund, Maria E.; Lu, Yanling; Lu, Yiqing; Wu, Jiehua; Walsh, Bradley J.; Zvyagin, Andrei V.; Gillatt, David A.  

12. Controlling the non-linear emission of upconversion nanoparticles to enhance super-resolution imaging performance. / De Camillis, Simone; Ren, Peng; Cao, Yueying; Plohöchner, Martin; Denkova, Deniz; Zheng, Xianlin; Lu, Yiqing; Piper, James A.  

13. A robust intrinsically green fluorescent poly(Amidoamine) dendrimer for imaging and traceable central nervous system delivery in zebrafish. / Wang, Guoying; Zhao, Xiaowei; Wu, Haigang; Lovejoy, David B.; Zheng, Meng; Lee, Albert; Fu, Libing; Mao, Kaiping; An, Yi; Sayyadi, Nima; Ding, Kunjie; Chung, Roger S.; Lu, Yiqing; Li, Jia; Morsch, Marco; Shi, Bingyang.  
14. Simultaneous super-linear excitation-emission and emission depletion allows imaging of upconversion nanoparticles with higher sub-diffraction resolution. / Plöschner, Martin; Denkova, Denitza; Camillis, Simone De; Das, Minakshi; Parker, Lindsay M.; Zheng, Xianlin; Lu, Yiqing; Ojosnegros, Samuel; Piper, James A. In: Optics Express, Vol. 28, No. 16, 03.08.2020, p. 24308-24326.


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