Structured doping of upconversion nanosystems for biological applications

Wang, Y.

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Yu Wang, Langping Tu, Junwei Zhao, Yajuan Sun, Xianggui Kong, and Hong Zhang.

Effect of Surface Related Organic Vibrational Modes in Luminescent Upconversion Dynamics of Rare Earth Ions Doped Nanoparticles
Yu Wang, Szymon Smolarek, Xianggui Kong, Wybren J. Buma, Albert M. Brouwer, and Hong Zhang.
*J. Nanosci. & Nanotechnol., 2010, 10, 7149-7153.*

Critical Shell Thickness of Upconversion Nanoparticle for Singlet Oxygen Generation
Yu Wang, Kai Liu, Xiaomin Liu, Kateřina Dohnalová, Tom Gregorkiewicz, Xianggui Kong, Maurice C.G. Aalders, Wybren J.Buma, and Hong Zhang.
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A Novel Covalent Upconversion Nanoconjugates for Integrated Cancer Cell Imaging and Photodynamic Therapy
Kai Liu, Yu Wang, Qinghui Zeng, Youlin Zhang, Xiaomin Liu, Langping Tu, Tao Liu, Xianggui Kong, Maurice C.G. Aalders, and Hong Zhang.
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Separating Doping Area of Emitters: A Strategy to Enhance Concentration Quenching Threshold of Upconversion Luminescence for Bio-applications
Xiaomin Liu, Youlin Zhang, Langping Tu, Yu Wang, Lu Xia, Qinhui Zeng, Chenguang Li, Zhan Shi, Xianggui Kong, and Hong Zhang.
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Junwei Zhao, Yajuan Sun, Xianggui Kong, Lijin Tian, Yu Wang, Langping Tu, Jialong Zhao, and Hong Zhang.


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Junwei Zhao, Xiaomin Liu, Di Cui, Yajuan Sun, Yi Yu, Yifei Yang, Chuang Du, Yu Wang, Kai Song, Liu Kai, Shaozhe Lu, Xianggui Kong, and Hong Zhang.