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搜索

许丽君

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个人简介:

许丽君, 博士, 副教授, 硕士生导师。2002~2006年就读于中国矿业大学, 获学士学位。2011~2014年就读于郑州大学, 获硕士学位。2014~2017年, 就读于中国科学院大学(中国科学院苏州纳米技术与纳米仿生研究所, 纳米生物医学部), 获博士学位。2017年9月以校五层次特聘教授引进到青岛大学工作。主要从事基于核酸检测生物体和食品中微生物、活性分子、毒素、药残及重金属等的新型检测技术研究。现主持山东省自然科学基金和青岛大学人才引进科研启动项目, 参与完成国家和江苏省自然科学基金项目3项。近年来, 在国际知名学术期刊如Chemical Communications、Journal of Materials Chemistry B、Talanta、Analyst等发表SCI论文近30篇。欢迎生物工程、化学和材料学等专业背景的考生报考。

研究方向:

1. 功能核酸荧光传感器。
2. 仿生酶及其生物传感应用。

主持项目:

1. 山东省自然科学基金 (ZR2019BB047), 2019-2022;
2. 青岛大学人才引进科研启动项目。

代表性论文:

1. **Lijun Xu**,[†] Xiaoqiang Shen,[†] Shanni Hong, Jine Wang, Yuanyuan Zhang, Hongyan Wang, Jianye Zhang,* Renjun Pei*. Turn-on and label-free fluorescent detection of lead ion based on target-induced G-quadruplex formation. *Chemical Communications*, 2015, 51, 8165-8168.
2. **Lijun Xu**, Yahui Guo, Jine Wang, Lu Zhou, Yuanyuan Zhang, Shanni Hong, Zhili Wang, Jianye Zhang*, Renjun Pei*. A H⁺/Ag⁺Dual-Target Responsive Label-Free Light-Up Probe Based on a DNA Triplex. *Chemistry – An Asian Journal*, 2015, 10, 1126-1129.
3. **Lijun Xu**, Shanni Hong, Xiaoqiang Shen, Lu Zhou, Jine Wang, Jianye Zhang*, and Renjun Pei*. DNA Triplexes-Guided Assembly of G-Quadruplexes for Constructing Label-free Fluorescent Logic Gates. *Chemistry – An Asian Journal*, 2016, 11, 1892-1895.
4. **Lijun Xu**,[†] Shanni Hong,[†] Na Sun, Kewei Wang, Lu Zhou, Liya Ji, and Renjun Pei*. Berberine as a novel light-up i-motif fluorescence ligand and its application in designing molecular logic systems. *Chemical Communications*, 2016, 52, 179-182.

5. **Lijun Xu**, Jine Wang, Na Sun, Min Liu, Yi Cao, Zhili Wang and Renjun Pei*. Neutral red as a specific light-up fluorescent probe for i-motif DNA. *Chemical Communications*, 2016, 52, 14330-14333.

6. **Lijun Xu**, Lu Zhou, Xing Chen, Xiaoqiang Shen, Jine Wang, Jianye Zhang, and Renjun Pei*. Luminescence sensitization of Tb^{3+} -DNA complexes by Ag^+ . *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 2017, 180, 85-90.

7. **Lijun Xu**, Guimei Jiang, Hong Chen, Yue Zan, Shanni Hong, Tingting Zhang, Yuanyuan Zhang*, Renjun Pei*. Folic acid-modified fluorescent dye-protein nanoparticles for the targeted tumor cell imaging. *Talanta*, 2019, 194, 643-648.

8. Yanyan Guo, **Lijun Xu***, Aihua Liu*. Boosting the Peroxidase-like Activity of Cobalt Ions by Amino Acid-based Biological Species and Its Applications. *Chemistry-an Asian Journal*, 2020, 15, 1067-1073.

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