|  |  |
| --- | --- |
| 推荐类别 | 江苏省高等学校科学技术研究成果奖（自然科学奖） |
| 项目名称 | 智能光学纳米材料特性及生物传感技术研究 |
| 主要完成单位 | 1.徐州工业职业技术学院；2.江苏师范大学；3.南京邮电大学 |
| **主要完成人** |
| 序号 | 姓名 | 技术职称 | 工作单位 | 排名 |
| 1 | 刘莹 | 教授 | 徐州工业职业技术学院 | 1 |
| 2 | 王静静 | 讲师 | 江苏师范大学 | 2 |
| 3 | 宋春元 | 教授 | 南京邮电大学 | 3 |
| 4 | 韩彩芹 | 教授 | 江苏师范大学 | 4 |
| 5 | 李想 | 高级工程师 | 徐州工业职业技术学院 | 5 |
| **代表性论文（专著）目录** |
| [1] The exploration of quantum dot-molecular beacon based MoS2 fluorescence probing for myeloma- related Mirnas detection/ **Bioactive Materials**/ Jing Jing Wang, Ying Liu, Zhou Ding, Le Zhang, Caiqin Han, Changchun Yan, Eric Amador, Liqin Yuan, Ying Wu, Chunyuan Song, Ying Liu, Wei Chen.[2] Novel Fluorescent Probe Based on Rare-Earth Doped Upconversion Nano -materials and Its Applications in Early Cancer Detection/ **Nanomaterials**/ Zhou Ding, Yue He, Hongtao Rao, Le Zhang, William Nguyen, Jingjing Wang, Ying Wu, Caiqin Han, Christina Xing, Changchun Yan, Wei Chen, Ying Liu.[3] DNA walker-powered ratiometric SERS cytosensor of circulating tumor cells with single-cell sensitivity/ **Biosensors and Bioelectronics**/Jingrong Xiong, Chen Dong, Jingjing Zhang, Xinyue Fang, Jie Ni , Hongyu Gan, Jinxiang Li, Chunyuan Song.[4]Graphene-embedded oblique V-shaped silver nanoarrays for hydrophobic pollutants preconcentration and high- sensitivity SERS detection/ **Journal of Hazardous Materials**/ Qin Wang, Jingwen Li, Yuhang Song, Lingfeng Duan, Changchun Yan, Lulu Qu, Ying Wu, Caiqin Han. [5] Droplet size controllable fabrication of Pickering emulsion stabilized by soy protein isolate-carbon Nanotubes/ carbo-xymethyl cellulose sodium/ **Soft Materials**/ Xiang Li, Fantian Wang, Jiaxin Ma, Haibiao Zhu, Rui Yang, Hirofumi Tanaka, Xiaoming Ma, Liu Hong. |