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在研项目	海内外引进人才科研启动项目： 多通道电化学生物传感器的构筑及其在疾病诊断中的应用			
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论著成果	共发表SCI论文二十余篇，其中第一作者论文9篇。论文影响因子总计大于90； H-指数13。另外，申请一份美国专利。 代表论文及专著： 1. Weiwei Yang, Rebecca Y Lai*, A dual-signalling electrochemical DNA sensor based on target hybridization-induced change in DNA probe flexibility Affiliation Information Chem. Commun. 2012, 48, 8703-8705 2. Weiwei Yang, Rebecca Y. Lai*, Integration of two different sensing modes in an electrochemical DNA sensor for approximation of target mismatch location, Electrochem. Commun. 13 (2011) 989-992 3. Weiwei Yang, Rebecca Y. Lai*, Effect of diluent chain length on the performance of the electrochemical DNA sensor at elevated temperature, Analyst 136 (2011) 134-139 4. Weiwei Yang, Jennifer Y. Gerasimov, Rebecca Y. Lai*, Folding-based electrochemical DNA sensor fabricated on a gold-plated screen-printed carbon electrode, Chem. Commun. 20 (2009) 2902-2904 5. Weiwei Yang, Rebecca Y. Lai*, Comparison of Stem-loop and Linear Probes Electrochemical-DNA Sensors by Alternating Current Voltammetry and Cyclic Voltammetry, Langmuir, 27 (2011) 14669 - 14677 6. D. Le Roy*, W. Yang, X. Yin, R.Y. Lai, S.-H. Liou, D.J. Sellmyer, High-sensitivity detector for molecular sensing using magnetic particles J. App. Phys. 109 (2011) 07E532 7. Shuang Zhao, Weiwei Yang, Rebecca Y. Lai*, A folding-based electrochemical aptasensor for detection of vascular endothelial growth factor in human whole blood, Biosensors and Bioelectronics 26 (2011) 2442-2447 8. Socrates Jose P. Canete, Weiwei Yang, Rebecca Y. Lai*, Folding-based electrochemical DNA sensor fabricated by "click" chemistry, Chem. Commun. 32 (2009) 4835-4837 9. Weiwei Yang, Hong Zhou, Changqing Sun*, Synthesis of Ferrocene-Branched Chitosan Derivatives: Redox Polysaccharides and their Application to Reagentless Enzyme-Based Biosensors, Macromol. Rapid Commun. 28 (2007) 265-270			

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