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王进义, 男, 汉族, 甘肃甘谷人, 1969 年 12 月出生, 博士, 教授, 博士生导师。陕西省优秀留学回国人员, 教育部新世纪优秀人才支持计划入选者。

教育背景

2004 年—2006 年: 博士后, 美国加州大学洛杉矶分校

2002 年—2004 年: 博士后, 中国科学院上海有机化学研究所

1997 年—2002 年: 博士, 兰州大学 (硕博连读)

1989 年—1993 年: 学士, 北京化工大学

研究方向

微纳米尺度生命分析技术、方法及应用; 微流控芯片

近年发表部分论文(IF>5.0)

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3. W. Liu, L. Li, J. -C. Wang, Q. Tu, L. Ren, Y. Wang, J. Wang. Dynamic trapping and high - throughput patterning of cells using pneumatic microstructures in an integrated

- microfluidic device. *Lab Chip* 2012, 12, 1702 - 1709.
4. L. Ren, J. -C. Wang, W. Liu, Q. Tu, R. Liu, X. Wang, J. Xu, Y. Wang, Y. Zhang, L. Li, J. Wang. An enzymatic immunoassay microfluidics integrated with membrane valves for microsphere retention and reagent mixing. *Biosens. Bioelectron.* 2012, 35, 147 - 154.
 5. Y. Zhang, L. Ren, Q. Tu, X. Wang, R. Liu, L. Li, J. -C. Wang, W. Liu, J. Xu, J. Wang. Fabrication of reversible poly(dimethylsiloxane) surfaces via host - guest chemistry and their repeated utilization in cardiac biomarker analysis. *Anal. Chem.* 2011, 83, 9651 - 9659.
 6. Q. Tu, L. Li, Y. Zhang, J. C. Wang, R. Liu, M. Li, W. Liu, X. Wang, L. Ren, J. Wang. The effect of acetylcholine - like biomimetic polymers on neuronal growth. *Biomaterials* 2011, 32, 3253 - 3264.
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 8. J. F. Wang, W. Liu, Qin Tu, J. C. Wang, N. Song, Y. Zhang, N. Nie, J. Wang. Folate - decorated hybrid polymeric nanoparticles for chemically and physically combined paclitaxel loading and targeted delivery. *Biomacromolecules* 2011, 12, 228 - 234.

9. X. Wang, L. Ren, Q. Tu, J. C. Wang, Y. Zhang, J. Wang. Magnetic protein microbead - aided indirect fluoroimmunoassay for the determination of canine virus specific antibodies. *Biosens. Bioelectron.* 2011, 26, 3353 - 3360.
10. L. Yang, L. Li, Q. Tu, L. Ren, Y. Zhang, X. Wang, Z. Zhang, W. Liu, X. Liang, J. Wang. Photocatalyzed surface modification of poly(dimethylsiloxane) with polysaccharides and assay of their protein adsorption and cytocompatibility. *Anal. Chem.* 2010, 82, 6430 - 6439.
11. W. Liu, L. Li, X. M. Wang, L. Ren, X. Wang, J. C. Wang, Q. Tu, X. Huang, J. Wang. An integrated microfluidic system for studying cell - microenvironmental interactions versatily and dynamically. *Lab Chip* 2010, 10, 1717 - 1724.
12. J. Wang, X. Wang, L. Ren, Q. Wang, L. Li, W. Liu, Z. Wan, L. Yang, P. Sun, L. L. Ren, M. Li, H. Wu, J. F. Wang, L. Zhang. Conjugation of biomolecules with magnetic protein microspheres for the assay of early biomarkers associated with acute myocardial infarction. *Anal. Chem.* 2009, 81, 6210 - 6217.
13. J. Wang, L. Ren, L. Li, W. Liu, J. Zhou, W. Yu, D. Tong, S. Chen. Microfluidics: A new cosset for neurobiology. *Lab Chip* 2009, 9, 644 - 652.
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- fluoroimmunoassay for rapid assessment of acute myocardial infarction. *Biosens. Bioelectron.* 2009, 24, 3097 - 3102.
15. J. Wang, Z. Wan, W. Liu, L. Li, L. Ren, X. Wang, P. Sun, L. i Ren, H. Zhao, Q. Tu, Z. Zhang, N. Song, L. Zhang. Atomic force microscope study of tumor cell membranes following treatment with anticancer drugs. *Biosens. Bioelectron.* 2009, 25, 721 - 727.
16. J. Wang, G. Sui, V. P. Mocharla, R. J. Lin, M. E. Phelps, H. C. Kolb, H. -R. Tseng. Integrated microfluidics for parallel screening of an *in situ* click chemistry library. *Angew. Chem. Int. Ed.* 2006, 45, 5276 - 5281.
17. G. Sui, J. Wang, C. C. Lee, S. P. Lee, J. V. Leyton, A. M. Wu, H. -R. Tseng. Solution - phase surface modification in intact poly(dimethylsiloxane) microfluidic channels. *Anal. Chem.* 2006, 78, 5543 - 5551.
18. Ju. Wang, Y. L. Bunimovich, G. Sui, S. Savvas, J. Wang, Y. Guo, J. R. Heath, H. -R. Tseng. Electrochemical fabrication of conducting polymer nanowires in an integrated microfluidic system. *Chem. Commun.* 2006, 29, 3075 - 3077.

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