师资队伍/个人信息

<table>
<tr><td>姓　名</td><td>葛艳艳</td><td>性别</td><td>女</td><td rowspan="4">  </td></tr>
<tr><td>职　称</td><td>讲师</td><td>系别</td><td>机械系</td></tr>
<tr><td>学　位</td><td>博士/硕导</td><td>电话</td><td>025-58606580</td></tr>
<tr><td>E-mail</td><td colspan="3">yanyange@njau.edu.cn</td></tr>
<tr><td>单位地址</td><td colspan="2">南京市浦口区点将台路 40 号</td><td>邮编</td><td>210031</td></tr>
<tr><td>研究领域</td><td colspan="4">1.纳尺度分子输运；
2.分子动力学仿真；
3.纳流控及纳尺度加；
4.农业领域微纳生物传感器的开发和应用。</td></tr>
<tr><td>社会兼职</td><td colspan="4">东台市华阳玻纤有限责任公司科技副总</td></tr>
<tr><td>承担项目</td><td colspan="4">1.国家自然科学青年基金：受限纳米通道中离子输运机理的研究（51505233）；
2.江苏省自然科学青年基金：基于纳流控的生物分子传感器的设计理论与关键技术（BK20140726）；
3.南京农业大学中央高校基本业务费：受限纳米通道中离子输运机理的研究（KJQN201622）；
4.中央高校基本科研业务经费：基于农药残留检测的纳米生物传感器设计理论与关键技术（KYZ201558）；
5.南京农业大学科研启动基金：基于纳流控的传感器的设计理论与关键技术（RCQD14-03）。</td></tr>
<tr><td>学术成果</td><td colspan="4">近期主要论文：
1. Yanyan Ge, Jieyu Xian, Min Kang, Xiaolin Li, Meifu Jin, MD study of solution concentrations on ion distribution in a nanopore-based device inspired from red blood cells, Computational and Mathematical Methods in Medicine, (2016, in press).
2. Yanyan Ge, Jie Zhu, Min Kang, Jieyu Xian, Qiu An and Gaoyan Zhong,</td></tr>
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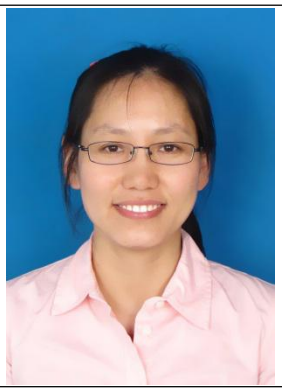
	Ion current rectification in a confined conical nanopore with high solution concentrations, Molecular Simulation, (2016，in press). 3. **Yanyan Ge**, Qiu An, Yandong Gao, Yunfei Chen, Deyu Li, A microfluidic device for generation of chemical gradients. Microsystem Technologies, 2015, 21:1797–1804. 4. **Yanyan Ge**, Qiu An, Min Kang, Yongjian Wang, Gaoyan Zhong, and Yunfei Chen, Ion distribution in a 3 nm in diameter nanopore. Journal of Computational and Theoretical Nanoscience, 2015, 12: 3482-3486. 5. **Yanyan Ge**, Qiu An, Yuhua Huang, Min Kang, and Yunfei Chen, Ion current rectification of glass conical nanopore. Journal of Computational and Theoretical Nanoscience, 2015, 12: 3994-3998. 6. **Yanyan Ge**, Dongyan Xu, Juekuan Yang, Yunfei Chen, Deyu Li, Ionic current through a nanopore three nanometers in diameter, Physical Review E, 80, 021918, 2009. 7. Gaoyan Zhong，Chaoqun Wang，Shoufeng Yang，Enlai Zheng，**Yanyan Ge**，Position geometric error modeling, identification and compensation for large 5-axis machining center prototype, Journal of Machine Tools and Manufacture, 2015, 89(2): 142-150. **授权专利：** 1. **葛艳艳**，吴茂宁，徐浩，周凌蕾，鞠志鹏，“轮滑式垃圾清扫装置”，ZL 2015 1 0053277.5； 2. **葛艳艳**，安秋，康敏，杨和梅，秦磊，“一种用于细胞迁移研究的微纳流控器件”，ZL 2014 1 02441649； 3. **葛艳艳**，安秋，康敏，朱跃，钱军宇，“便携式垃圾广告清理机”，ZL 2014 1 0258076.4； 4. **葛艳艳**，安秋，康敏，杨和梅，秦磊，“一种用于细胞迁移研究的微纳流控器件”，ZL 2014 2 0292360.9； 5. **葛艳艳**，安秋，康敏，陈可，陈世鹏，“一种小型家庭自动灭火器”，ZL 2014 2 0309575.7； 6. **葛艳艳**，安秋，康敏，朱跃，钱军宇，“便携式垃圾广告清理机”，ZL 2014 2 0309571.9； 7. **葛艳艳**，安秋，康敏，杨和梅，樊文广，“一种桌面倾斜角度可自由

	调节的桌子”，ZL 2014.2.0309553.0； 8. **葛艳艳**，吴茂宁，徐浩，周凌蕾，鞠志鹏，“轮滑式垃圾清扫装置”，ZL 2015 2 0068688.7； 9. **葛艳艳**，刘海马，李昊，田陈巍，朱文杰，“便携式垃圾广告清理装置”，ZL 2015 2 0068687.2.
奖励荣誉	1. 2011 年，荣获国家留学基金委奖学金； 2. 2009-2011 年，荣获东南大学焦廷标奖学金。

Teaching staff/ Personal information

<table>
<tr><td>Name</td><td>Yanyan GE</td><td>Gender</td><td>Femail</td><td rowspan="4">  </td></tr>
<tr><td>Title</td><td>Lecturer</td><td>Department</td><td>Mechanical Engineering</td></tr>
<tr><td>Degree</td><td>Dr./ Master Supervisor</td><td>Telephone</td><td>025-58606580</td></tr>
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<tr><td>Research field</td><td colspan="4">1. Nanoscale molecular transport phenomena;
2. Molecular dynamics;
3. Naofluidics and nanofabrication techniques;
4. Development and application of Micro - nano biosensor in agriculture.</td></tr>
<tr><td>Social appointments</td><td colspan="4">Vice president of science and technology (Huayang Glass Co., Ltd. Of Dongtai)</td></tr>
<tr><td>Research projects</td><td colspan="4">1. National Natural Science Foundation of China: Ion transport in confined nanofluidic channels (51505233);
2. Natural Science Foundation of Jiangsu Province: Theory and technology of nanofluidic biosensors (BK 20140726);
3. Fundamental Research Funds for the Central Universities: on transport in confined nanofluidic channels (KJQN201622);
4. Fundamental Research Funds for the Central Universities: Theory and Key Technology of Nano Biosensor Based on Pesticide Residue Detection (KYZ201558);
5. Young Teachers Fund of Nanjing Agricultural University: Design Theory and Key Technology of Sensor Based on nanofluidic (RCQD14-03).</td></tr>
</table>

Academic achievements	**Recent papers：** 1. **Yanyan Ge**, Jieyu Xian, Min Kang, Xiaolin Li, Meifu Jin, MD study of solution concentrations on ion distribution in a nanopore-based device inspired from red blood cells, Computational and Mathematical Methods in Medicine, (2016, in press). 2. **Yanyan Ge**, Jie Zhu, Min Kang, Jieyu Xian, Qiu An and Gaoyan Zhong, Ion current rectification in a confined conical nanopore with high solution concentrations, Molecular Simulation, (2016，in press). 3. **Yanyan Ge**, Qiu An, Yandong Gao, Yunfei Chen, Deyu Li, A microfluidic device for generation of chemical gradients. Microsystem Technologies, 2015, 21:1797–1804. 4. **Yanyan Ge**, Qiu An, Min Kang, Yongjian Wang, Gaoyan Zhong, and Yunfei Chen, Ion distribution in a 3 nm in diameter nanopore. Journal of Computational and Theoretical Nanoscience, 2015, 12: 3482-3486. 5. **Yanyan Ge**, Qiu An, Yuhua Huang, Min Kang, and Yunfei Chen, Ion current rectification of glass conical nanopore. Journal of Computational and Theoretical Nanoscience, 2015, 12: 3994-3998. 6. **Yanyan Ge**, Dongyan Xu, Juekuan Yang, Yunfei Chen, Deyu Li, Ionic current through a nanopore three nanometers in diameter, Physical Review E, 80, 021918, 2009. 7. Gaoyan Zhong，Chaoqun Wang，Shoufeng Yang，Enlai Zheng，**Yanyan Ge** ， Position geometric error modeling, identification and compensation for large 5-axis machining center prototype, Journal of Machine Tools and Manufacture, 2015, 89(2): 142-150. **Patents：** 1. **Yanyan Ge**, Maoning Wu, Hao Xu, Linglei Zhou, Zhipeng Ju, “Roller-type of garbage cleaning device”, ZL 2015 1 0053277.5; 2. **Yanyan Ge**, Qiu An, Min Kang, Hemei Yand, Lei Qin, “A Micro \Nano fluidic device for cell migration”, ZL 2014 1 02441649; 3. **Yanyan Ge**, Qiu An, Min Kand, Yue Zhu, Junyu Qian, “A portable spam cleaning machine”, ZL 2014 1 0258076.4; 4. **Yanyan Ge**, Qiu An, Min Kang, Hemei Yang, Lei Qin, “A Micro

	\Nano fluidic device for cell migration", ZL 2014 2 0292360.9； 5. **Yanyan Ge**, Qiu An, Min Kang, Ke Chen, Shipeng Chen, "A small family automatic fire extinguisher", ZL 2014 2 0309575.7； 6. **Yanyan Ge**, Qiu An, Min Kang, Yue Zhu, Junyu Qian , "A portable spam cleaning machine", ZL 2014 2 0309571.9； 7. **Yanyan Ge**, Qiu An, Min Kang, Hemei Yang, Wenguang Fan, "A table with adjustable tilt", ZL 2014.2.0309553.0； 8. **Yanyan Ge**, Maoning Wu, Hao Xu, Linglei Zhou, Zhipeng Ju, "Roller-type of garbage cleaning device", ZL 2015 2 0068688.7； 9. **Yanyan Ge**, Haima Liu, Hao Li, Chenyao Tian, Wenjie Zhu, "A portable spam cleaning equipment", ZL 2015 2 0068687.2.
Reward & honor	1. Jiao Tingbiao Scholarship, 2009, 2. CSC Award, 2009-2011.