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### 【个人简历】

#### 教育经历

1990-1994, 河南大学, 化学化工系, 本科/学士  
 2002-2005, 华南师范大学, 化学与环境学院, 研究生/硕士  
 2005-2008, 华南理工大学, 化学化工学院, 研究生/博士

#### 研究工作经历

2008-至今, 西北师范大学, 化学化工学院, 副教授  
 2010-2013, 厦门大学, 固体表面物理化学国家重点实验室, 博士后  
 2011-2013, 西开普大学, 先进材料化学研究所, 访问学者  
 先后在Chem. Commun., J. Power Sources, J. Mater. Chem. A, 等杂志发表各类论文一百余篇, 其中工程技术一区论文43篇, 影响因子大于3的70篇; 获授权发明专利20余件; 2010、2012获甘肃省高校科技进步一等奖, 2014甘肃省高校科技进步三等奖; 2016甘肃省自然科学二等奖; 2010获教育部高等学校科学研究优秀成果奖(科学技术), 自然科学类二等奖。

### 【学生培养】

培养毕业博士研究生1人, 硕士12人, 在读8人; 实验室三年来获国家奖学金7人; 已毕业学生中科院系统工作2人, 国内高校工作2人; 现在德、美等国外高校攻读博士学位4人; 国内985高校读博3人。

### 【研究领域和兴趣】

主要从事能源与催化材料的设计、开发与应用等领域的研究工作

### 【科研项目】

先后承担教育部重点项目(209129), 中国博士后基金(20110490847), 博士后特别资助(2012T50587), 南非自然科学基金以及多项重点实验室开放课题。在研国家自然科学基金两项(21163018, 21363022)。

### 【教学】

化工原理, 化工基础, 化工原理课程设计, 化工原理实验, 工业催化, 分离技术

### 【本课题组近三年代表论文】

2015

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- [2] Yang H, Li H, Wang H, Wang R. A Wasted Material, Duck Blood, as a Precursor of Non-Precious Catalyst for the Oxygen Reduction Reaction. Fuel Cells. 2015;15:214-20.

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- [13] Ma Y, Wang R, Wang H, Key J, Ji S. Room-temperature synthesis with inert bubble templates to produce "clean" PdCoP alloy nanoparticle networks for enhanced hydrazine electro-oxidation. *RSC Advances*. 2015;5:9837-42.
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- [15] Ma Y, Wang H, Key J, Ji S, Lv W, Wang R. Control of CuO nanocrystal morphology from ultrathin "willow-leaf" to "flower-shaped" for increased hydrazine oxidation activity. *J Power Sources*. 2015;300:344-50.
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