

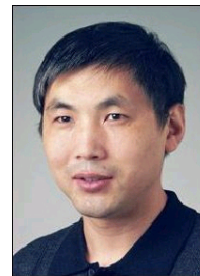


研究队伍

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简历:

杨孟龙, 男, 汉族, 1973年出生, 博士, 副研究员, 自2009年3月起任中科院青岛生物能源与过程研究所二级项目负责人。1994年在中国石油大学(华东)应用化学专业获理学学士学位, 1998年在该校精细化工专业获工学硕士学位, 2006年在中科院长春应用化学研究所分析化学专业获理学博士学位。2007, 1-2009, 3在荷兰瓦格宁根(Wageningen)大学有机化学实验室做博士后研究。2003年起致力于分子自组装膜、表面纳米加工、生物反应活性表面及生物传感器的科研工作, 部分研究成果已经发表于ACS Nano、J. Phys. Chem. B、Langmuir、Nanotechnology等国际期刊(至2009年11篇)。1994-2003年间在中国石油大学(华东)化学化工学院从事有机化工和精细化工(石油化学品)方向的教学和科研工作, 曾参与完成省部级科技攻关及横向重点科研项目11项, 获得过省部级科技进步三等奖等科研奖励8项(其中多项成果已推广应用), 发表EI、核心期刊论文10篇。

研究方向:

应用化学

专家类别:

副高级

职务:

社会任职:

获奖及荣誉:

代表论著:

1. **Yang, Menglong**; Wouters, Daan; Giesbers, Marcel; Schubert, Ulrich S.; Zuilhof, Han; "Local Probe Oxidation of Self-Assembled Monolayers on Hydrogen-Terminated Silicon", *ACS Nano* 2009, 3, 2887-2900
2. **Yang, Menglong**; Teeuwen, Rosalie L. M.; Giesbers, Marcel; Baggerman, Jacob; Arafat, Ahmed; de Wolf, Frits A.; van Hest, Jan C. M.; Zuilhof, Han; "One-Step Photochemical Attachment of NHS-Terminated Monolayers onto Silicon Surfaces and Subsequent Functionalization", *Langmuir* 2008, 24, 7931-7938
3. **Yang, Menglong**; Zheng, Zhikun; Liu, Yaqing; Zhang, Bailin; "Kinetics of atomic force microscope-based scanned probe oxidation on an octadecylated silicon (111) surface", *J. Phys. Chem. B* 2006, 110, 10365-10373
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5. Zheng, Zhikun; **Yang, Menglong**; Zhang, Bailin; "Reversible nanopatterning on self-assembled monolayers on gold", *J. Phys. Chem. C* 2008, 112, 6597-6604
6. Zheng, Zhikun; **Yang, Menglong**; Liu, Yaqing; Zhang, Bailin; "Direct patterning of negative nanostructures on self-assembled monolayers of 16-mercaptohexadecanoic acid on Au(111) substrate via dip-pen nanolithography", *Nanotechnology* 2006, 17, 5378-5386
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10. ter Maat, Jurjen; Regeling, Remco; **Yang, Menglong**; Mullings, Marja N.; Bent, Stacey F.; Zuilhof, Han; "Photochemical Covalent Attachment of Alkene-Derived Monolayers onto Hydroxyl-Terminated Silica" *Langmuir* 2009, 25(19), 11592-11597
11. Song, Yonghai; Liu, Yaqing; **Yang, Menglong**; Zhang, Bailin; Li, Zhuang; "Diluting thiol-derivatized oligonucleotide monolayers on Au(111) by mercaptohexanol replacement reaction", *Appl. Surf. Sci.* 2006, 252(16), 5693-5699

