

# 固体表面物理化学国家重点实验室 2009 年报论文目录

## A 类 主要研究论文与专著章节

### 专著章节

1. Handbook of Electrochemical Nanotechnology (Volume 1: Nanomaterials), Chapter 6: Dispersed and Agglomerated Nanoparticles: Synthesis and Anomalous Infrared Properties  
Yan-Xia Jiang, Hong-Gang Liao, Shi-Gang Sun  
American Scientific Publishers, California  
ISBN 1-58883-121-3, 123-143 (2009) .....59
2. NanoScience in Biomedicine, Inorganic nanoparticles for biomedical applications  
Mei Chee Tan, Gan Moog Chow, Lei Ren, Qi Qing Zhang  
Tsinghua Univeristy Press, Beijing  
ISBN 978-7-302-1705-4, 272-289 (2009) ..... 66

### 主要研究论文

1. Designing Superhydrophobic Porous Nanostructures with Tunable Water Adhesion  
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2. Metabonomics studies of intact hepatic and renal cortical tissues from diabetic *db/db* mice using high-resolution magic-angle spinning  $^1\text{H}$  NMR spectroscopy  
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3. Surface-enhanced Raman spectroscopy: substrate-related issues  
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4. Fabrication of a Colorimetric Electrochemiluminescence Sensor  
Lin ZJ, Chen XM, Jia TT, Wang XD, Xie ZX, Oyama M, Chen X  
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5. The Inverted Bond in [1.1.1]Propellane is a Charge-Shift Bond  
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| 7.  | Simplifying the Creation of Hollow Metallic Nanostructures: One-Pot Synthesis of Hollow Palladium/Platinum Single-Crystalline Nanocubes<br>Huang XQ, Zhang HH, Guo CY, Zhou ZY, Zheng NF<br>ANGEWANDTE CHEMIE-INTERNATIONAL EDITION |     |
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| 8.  | Double Layer of Au(100)/Ionic Liquid Interface and Its Stability in Imidazolium-Based Ionic Liquids<br>Su YZ, Fu YC, Yan JW, Chen ZB, Mao BW<br>ANGEWANDTE CHEMIE-INTERNATIONAL EDITION   |     |
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| 10. | Osmapyridine and Osmapyridinium from a Formal [4+2] Cycloaddition Reaction<br>Liu B, Wang HJ, Xie HJ, Zeng BR, Chen JX, Tao J, Wen TB, Cao ZX, Xia HP<br>ANGEWANDTE CHEMIE-INTERNATIONAL EDITION                                    |     |
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23. A novel label-free multi-throughput optical biosensor based on localized surface plasmon resonance

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