

# 固体表面物理化学国家重点实验室 2007 年报论文目录

## A 类 国际刊物

1. Selective recognition iodide in aqueous solution based on fluorescence enhancement chemosensor  
Lin, LR; Fang, W; Yu, Y ; Huang, RB; Zheng, LS  
Acta Pt. A-Molec. Biomolec. Spectr., 67 (5) (2007): 1403-1406 .....54
2. Concentric sub-micrometer-sized cables composed of Ni nanowires and sub-micrometer-sized fullerene tubes  
Tao, FF; Liang, YY; Yin, G; Xu, DP ; Jiang, ZY; Li, HB ; Han, M ; Song, Y; Xie, ZX; Xue, ZL;  
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3. Microfabrication of a diffractive microlens array on n-GaAs by an efficient electrochemical method  
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4. Osmium-catalyzed selective oxidations of methane and ethane with hydrogen peroxide in aqueous medium  
Yuan, Q; Deng, WP; Zhang, QH; Wang, Y  
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5. Raman spectroscopy on transition metals  
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6. Deprotonation mechanism of NH<sup>4+</sup> in the Escherichia coli ammonium transporter AmtB(2007): Insight from QM and QM/MM calculations  
Cao, ZX ; Mo, YR; Thiel, W  
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7. Which oxidant is really responsible for sulfur oxidation by cytochrome  
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8. Chiral Symmetry Breaking by Chemically Manipulating Statistical Fluctuation in Crystallization  
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9. In-situ Raman spectroscopic study of domain switching of PLZT ceramics  
Zhang, Y; Cheng, X; Zhang, S  
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10. Tip-enhanced Raman spectroscopy for investigating adsorbed species on a single-crystal surface using electrochemically prepared Au tips  
 Wang, X ; Liu, Z; Zhuang, MD; Zhang, HM ; Wang, X; Xie, ZX; Wu, DY; Ren, B; Tian, ZQ  
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11. Facets and surface relaxation of tetrahedrahedral platinum nanocrystals  
 Ding, Y; Gao, Y; Wang, ZL; Tian, N; Zhou, ZY; Sun, SG  
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12. Effect of preparation condition on the performance of silica-supported MoVTeO catalysts for selective oxidation of propane to acrolein  
 Huang, CJ; Guo, W; Yi, XD ; Weng, WZ ; Wan, HL  
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13. Study on the preparation of ultrafine mesoporous TiO<sub>2</sub> with controllable crystalline phase and its photocatalytic activities  
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 Wang, P; Kang, JC ; Zhang, QH; Wang, Y  
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17. Catalytic performance of chiral rhodium complex with water-soluble sulfonated (R)-2,2'-bis(diphenylphosphino)-1,1'-binaphthyl for enantioselective hydrogenation in ionic liquid biphasic system  
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18. Isotopic oxygen exchange and EPR studies of superoxide species on the SrF<sub>2</sub>/La<sub>2</sub>O<sub>3</sub> catalyst  
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20. Characterization of surface water on Au core Pt-group metal shell nanoparticles coated electrodes by surface-enhanced Raman spectroscopy  
 Jiang, YX; Li, JF; Wu, DY; Yang, ZL; Ren, B; Hu, JW; Chow, YL; Tian, ZQ  
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24. Classical and distonic radical cations: A valence bond approach  
 Bouchoux, G ; Berruyer, F; Hiberty, PC ; Wu, W  
 Chem.-Eur. J., 13 (10) (2007): 2912-2919 ..... 138
25. High activity of amine-doped H-ZSM-5 zeolite in ethene protonation: Revealed by embedding calculations  
 Zheng, AM ; Wang, L; Chen, L; Yue, Y; Ye, CH; Lu, X ; Deng, F  
 ChemPhysChem., 8 (2) (2007): 231-234 ..... 152
26. Controllable synthesis of CoO nanosheets and their magnetic properties  
 Zhang, WL ; Han, M; Jiang, ZY; Song ,Y; Xie, ZX; Xu, Z; Zheng, LS  
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28. Infrared irradiation-assisted one-step synthesis of nanosized tin dioxide particles and particle size effect on lithium storage performance  
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31. Structural and electronic properties of the Li-ion battery cathode material  $\text{Li}_{x}\text{CoSiO}_4$   
 Wu, SQ; Zhang, JH; Zhu, ZZ; Yang, Y  
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32. Synthesis, crystal structure and optical properties of  $[\text{Ag}(\text{UO}_2)_3(\text{OAc})_9][\text{Zn}(\text{H}_2\text{O})_4(\text{CH}_3\text{CH}_2\text{OH})_2]$ : A novel compound containing closed-shell 3d(10), 4d(10) and 5d(10) metal ions  
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33. Synthesis and characterization of a bimetallic iridium complex with a ten sp(2)-carbon chain bridge  
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34. Fabrication and properties of three-dimensional macroporous Sn-Ni alloy electrodes of high preferential (110) orientation for lithium ion batteries  
 Ke, FS; Huang, L ; Jiang, HH; Wei, HB; Yang, FZ; Sun, SG  
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 Zheng, XJ; Jiang, ZY; Xie, ZX; Zhang, SH ; Mao, BW; Zheng, LS  
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 Liang, YG; Han, XY; Zhou, XW; Sun, JT; Zhou, YH  
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 Zhao, B; Li, JH ; Hu, RG; Du, RG; Lin, CJ  
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 Zhang, JL; Tang, YH; Song, CJ; Cheng, X ; Zhang, JJ; Wang, HJ  
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 Li, JT; Chen, QS; Sun, SG  
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 Yun, H ; Li, J; Chen, HB; Lin, CJ  
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 Chen, CY ; Zhou, ZH ; Mao, SY; Wan, HL  
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 Li, J ; Zheng, JM; Yang, Y  
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 Li, J ; Yun, H; Lin, CJ

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83. Structures and electronic properties of M<sub>2</sub>C<sub>2</sub>@C-78 (M = Ti, Zr, Hf): A density functional theory study  
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