

固体表面物理化学国家重点实验室 2005 年论文目录

B 类 国内核心刊物

1. Density functional theory study of mixed transition-metal clusters Nb₂Rh₂
Chen J, Tan K, Lin MH, Zhang QE
Acta Chimica Sinica 63 (21): 1957-1961 NOV 14 (2005)
2. Density functional theory study of the clusters: TixNy
Zhu C, Li CS, Tan K, Lin MH, Zhang QE
Acta Chimica Sinica 63 (19): 1807-1812 OCT 14 (2005)
3. Preparation of nano-structured platinum electrode surfaces by electrochemical methods and its properties
Wang XC, Ren B, Cao J, Yan JW, Zhong QL, Tian ZQ
Acta Chimica Sinica 63 (23): 2112-2116 DEC 14 (2005)
4. 碱性介质中甲醇在铂电极表面吸附和氧化的电化学原位 FTIR 反射光谱和 EQCM 研究
林珩, 陈国良, 郑子山, 周剑章, 陈声培, 林仲华
化学学报 63 (23) 2137~2140(2005)
5. H₂ 在 K0-MWCNT 上储存和吸附/脱附特性研究.
武小满, 王毅, 董昆明, 周金梅, 林国栋, 张鸿斌
化学学报 63(6): 484~490(2005)
6. 计算机模拟铌原子簇的稳定构型和能量性质
谭凯, 林梦海, 王南钦, 张乾二
化学学报, 63:23~26(2005)
7. 线性 BC_{2n}B(n=1~12)的结构特征和电子光谱的理论研究
张敬来, 王连宾, 吴文鹏, 曹泽星
化学学报 Vol.63 No.2 (2005)
8. A study of the selective dissolution behavior of duplex stainless steel by micro-electrochemical technique
Fu Y, Lin CJ, Tsai WT
Acta Metall Sin 41 (3): 302-306 MAR 11 (2005)
9. Studies on the abnormal IR effects for CO adsorption on nanostructured Pt thin films
Huang XJ, Wu CX, Chen YJ, Lin H, Jiang DH, Sun SG
Acta Phys Sin.54 (1): 429-433 JAN (2005)
10. A correlation study of corrosion resistance and semiconductor properties for the electrochemically modified passive film of stainless steel
Lin YH, Du RG, Hu RG, Lin CJ .
Acta Phys-Chim Sin 21 (7): 740-745 JUL (2005)

11. Adsorption of metal-organic complex molecule on Au(111) surface
Zhou XS, Xu XM, Zhong HP, Long LS, Huang RB, Xie ZX, Zheng LS, Mao BW
Acta Phys-Chim Sin 21 (9): 949-951 SEP (2005)
12. Corrosion resistance of electroless Ni-P deposits and its relation to P contents
Hu GH, Wu HH, Yang FZ
Acta Phys-Chim Sin 21 (11): 1299-1302 NOV (2005)
13. In-situ SERS of piperonal and isosafrole electrooxidation on Pt electrode
Zhong QL, Zhang XH, Zhou HH, Wen ZB, Yang XY, Huang P, Ren B, Tian ZQ
Acta Phys-Chim Sin 21 (10): 1182-1185 OCT (2005)
14. Preparation of nano TiO₂-V₂O₅ composite coating and its functions in corrosion protection of metals
Shen GX, Chen YC, Lin CJ
Acta Phys-Chim Sin 21 (5): 485-489 MAY (2005)
15. Study on the secondary bonding and coordination polyhedra in crystal of antimony(III) complexonate family
Hu SZ, Chen MD, Robertson BE
Acta Phys-Chim Sin 21 (6): 646-652 JUN (2005)
16. The adsorption and oxidation of isopropanol at platinum electrode in alkaline media
Lin H, Chen GL, Zheng ZS, Zhou JZ, Chen SP, Lin ZH
Acta Phys-Chim Sin 21 (11): 1280-1284 NOV (2005)
17. The crystal growth behavior of hydroxyapatite coating on titanium substrate under electrochemical deposition conditions
Hu R, Shi HY, Lin LW, Zhuang YY, Lin CJ
Acta Phys-Chim Sin 21 (2): 197-201 FEB (2005)
18. Tuning the SERS Activity of Au@Pd Core-shell Nanoparticles by Controlling The Thickness of the Pd Shell
Li JF, Hu JW, Ren B, Tian ZQ
物理化学学报 21 (8): 825-828
19. 单根聚苯胺纳米线导电性的研究
蔡成东, 周剑章, 齐丽, 席燕燕, 蓝碧波, 吴玲玲, 林仲华
物理化学学报 21(4)343~346(2005)
20. 核-壳结构 Au-Pt 纳米粒子的光谱表征和电催化性能
田娜, 陈卫, 孙世刚
物理化学学报 (2005) 21(1) 74-78
21. 次级键杯晶体中铋(III)螯合物配位多面体研究
胡盛志, 陈明旦, B. E. Robertson
物理化学学报, 21(6) 646-652 (2005).

22. Studies on chitin-based liquid crystalline polymers - Studies of critical concentrations of N-phthaloyl chitosan for the formation of lyotropic cholesteric phase using circular dichroism spectroscopy
Zhao YQ, Dong YM, Mao W, Bi D, Yang LL, Zhang H, Fang XM
Acta Polymerica Sinica (5): 731-735 OCT (2005)
23. A Density Functional Study of Small Cluster (NiTi)_x with x=1-3
Tan K, Gu Y, Lin M
Chem. Res. Chinese U 21:96-99(2005)
24. A theoretical study of interaction between dinitrogen and single transition-metal centers Mo, Fe and V
Jin X, Cao ZX, Zhang QE
Chem J Chinese U 26 (8): 1522-1526 AUG 10 (2005)
25. DFT studies on the Pd_n (n=2-13) clusters
Li CS, Cao ZX, Wu W, Lin MH, Zhang QE
Chem J Chinese U 26 (1): 116-120 JAN (2005)
26. DFT study of inserted cluster modeling of rutile TiO₂(110) surface
Tan K, Lin MH, Wang NQ, Zhang QE
Chem J Chinese U 26 (6): 1118-1121 JUN 10 (2005)
27. Effects of methanol contaminant in electrolyte on performance of graphite electrodes for Li-ion batteries studied via electrochemical impedance spectroscopy
Zhuang QC, Chen ZF, Dong QF, Jiang YX, Zhou ZY, Sun SG
Chem J Chinese U 26 (11): 2073-2076 NOV 10 (2005)
28. Polyhedral molecular orbital theory to niobium clusters and metal complex
Wang X, Lin MH, Tan K, Wang F, Zhang QE .
Chem J Chinese U 26 (8): 1497-1501 AUG 10 (2005)
29. Preparation of nanostructured films on surface of Pd microelectrode array by square wave potential and their anomalous IR properties
Li JT, Chen YJ, Su ZF, Zhou ZY, Chen SP, Sun SG
Chem J Chinese U 26 (4): 710-714 APR 10 (2005)
30. Synthesis, structure and electrochemical performance of titanium-doped spinel lithium manganese oxides
Tong QS , Liu HS, Lin SY, Yang Y
Chem J Chinese U 26 (1): 138-141(2005)
24. Electrochemical Synthesis and Analysis of SERS Activity of Gold Nanoparticles Films
Shen LM, Yang ZL, Ren B, Wu DY, Gu RA, Tian ZQ
Chem J Chinese U 26 (9): 1732-1734 (2005)
25. Fabrication, Characterization and Electric Properties of A Gold Nanowire Containing 4,4

'-Azopyridine Molecular Junction

Xiang J, Liu B, Tian JH, Wu ST, Hu JW, Tian ZQ,
Chem J Chinese U 26 (7): 1342-1344 (2005)

26. Studies on Surface-Enhanced Raman Spectroscopy on Bare Zn Electrode
Gu RA, Shen XY, Liu GK, Tian ZQ
Chem J Chinese U 26 (8): 1537-1540 (2005)
27. NaNO₂/FeSO₄ 存在下聚苯乙烯大分子引发剂的合成及嵌段共聚
许淼清, 黄剑莹, 颜明发, 林明华, 林 强, 陈一虹, 邹友思
Chem J Chinese U 08 (2005)
28. Combinatorial Supports for Ru-based Ammonia Synthesis Catalysts
Huang GY, Lin JD, Xu ZX, Liao DW
Chinese Chem Lett 16 (2): 273-274 FEB (2005)
29. Determination of proton diffusion coefficient in spherical nickel hydroxide using potential step measurement on single beads
Xiao L, Lu JT, Liu PF, Zhuang L, Yan JW, Hu RG, Mao BW, Lin CJ
Chinese Chem Lett 16 (3): 419-422 MAR (2005)
30. Microwave-heating synthesis and gas separation performance of NaA zeolite membrane
Cheng ZL, Liu Z, Wan HL
Chinese J Chem 23 (1): 28-31 JAN (2005)
31. Preparation of Zr-promoted nano-NiO catalyst and its catalytic performance for oxidative dehydrogenation of ethane to ethylene
Cao XD, Chen T, Wu Y, Zhang JF, Weng WZ, Wan HL
Chinese J. Catal. 26 (2): 148-152 FEB (2005)
32. Oxidative dehydrogenation of ethane over MoVTaNbO catalyst prepared by a slurry method
Han ZS, Yi XD, Xie Q, Li RC, Lin H, He YM, Chen LQ, Weng WZ, Wan HL
Chinese J. Catal. 26 (6): 441-442 JUN (2005)
33. Effect of Te on selective oxidation of propane to acrolein over MoPO/SiO₂ catalyst
Lin H, Yi XD, Han ZS, He YM, Huang CJ, Chen LQ, Weng WZ, Wan HL
Chinese J. Catal. 26 (6): 497-502 JUN (2005)
34. Mo-co catalyst supported on multiwalled carbon nanotubes for hydrodesulfurization of thiophene
Dong KM, Wu XM, Lin GD, Zhang HB.
Chinese J. Catal. 26 (7): 550-556 JUL (2005)
35. Synthesis and characterization of 2-deoxy-2-nicotinoylamido- α -D-glucopyranose
Guo ZC, Dong YM, Xiong XQ, Zhao YQ
Chinese J Chem 23 (2): 190-193 FEB (2005)
36. Hydro(solvo)thermal construction of a copper coordination polymer involving in situ ligand synthesis:

Preparation and Structure of [Cu-3(bdcO)(2)(H2O)(2)](n)

Jiang YQ, Zhou ZH, Wei ZB

Chinese J Struct Chem 24 (4): 457-461 (2005)

37. Structural and spectroscopic properties of linear carbon chains $NC_{2n}N$ and $HC_{2n+1}N$ ($n=1$ similar to 10)
Zhang JL, Wu WP, Wang LB, Cao ZX
Chinese J Struct Chem 24 (8): 885-894 (2005)
38. Multiplet patterns due to co-existing intermolecular dipolar and intramolecular scalar couplings in liquid nuclear magnetic resonance
Zhu XQ, Cai CB, Chen Z, Zhong JH
Chinese Physics 14(3):516-523 (2005)
39. Preparation and characterization of a novel composite microporous polymer electrolyte for Li-ion batteries
Chen ZF, Jiang YX, Zhuang QC, Dong QF, Wang Y, Sun SG
Chinese Science Bulletin 50 (14): 1435-1440 JUL (2005) 400
40. In situ time-resolved FTIRS study of adsorption and oxidation of ethylene glycol on Pt(100) electrode
Fan YJ, Zhou ZY, Fan CJ, Zhen CH, Chen SP, Sun SG
Chinese Science Bulletin 50 (18): 1995-1998 SEP (2005) 406
41. 电化学方法和表面增强拉曼光谱技术研究钴电极表面咪唑的吸附和缓蚀行为
顾伟, 刘国坤, 任斌, 吴德印, 顾仁敖, 田中群
中国科学 B 辑 35 (3): 200-205 (2005) 410
42. Progress in polyanion-type cathode materials for lithium ion batteries
Shi ZC, Yang Y
Progress In Chemistry 17 (4): 604-613 JUL (2005)
43. Recent progress in observations of domain switching in ferroelectric ceramics
Zhang S, Cheng X, Zhang Y
Rare Metal Mat Eng 34: 31-36 Suppl. 2 SEP (2005)
44. Synthesis and characterization of cerium-substituted hydroxyapatite
Liao YM, Feng ZD, Ye M
Rare Metal Mat Eng 34: 189-193 Suppl. 2, SEP (2005)
45. A Theoretical Study of the Influence of Interaction Between Transition Metal Atoms and Carbon Monoxide on Infrared and Raman Intensities of the C-O Stretching Vibration
Wu DY, Zheng JZ, Ren B, Xu X, Tian ZQ
Spectroscopy And Spectral Analysis 25 (3): 365-368 (2005)
46. Synthesis and SERS Characterization of Silver Nanocubes
Zhou HH, Wu DY, Hu JQ, Tian ZQ
Spectroscopy And Spectral Analysis 25 (7): 1068-1070 (2005)

47. Surface-Enhanced Raman Spectra Studies on Roughened Zn Electrode in Alkaline Solutions
Shen XY, Liu GK, Gu RA, Tian ZQ
Spectroscopy And Spectral Analysis 25 (9): 1418-1421 (2005)