

固体表面物理化学
国家重点实验室

STATE KEY LABORATORY
FOR PHYSICAL CHEMISTRY OF THE SOLID SURFACE

— 1991 —

研究论文年报

ANNUAL RESEARCH REPORT

厦门大学

XIAMEN UNIVERSITY, CHINA

厦门大学固体表面物理化学国家
重点实验室工作年报

发表的研究论文

(1991)

- 一、论文目錄 江苏工业学院图书馆 (1)
二、论文部分人名索引 藏书章 (18)
三、论文内容

- | | |
|---------------|------|
| A. 国外刊物论文 | 共16篇 |
| B. 国内核心刊物论文 | 共52篇 |
| C. 国际会议论文摘要 | 共13篇 |
| D. 国内刊物论文英文摘要 | 共55篇 |

论文部分人名索引

(以人名的汉字笔顺排序)

E. Byrd A15

P. Suarez B29

T. Nguyen A15

三画

万惠霖 B13, B24, B42, C1, C3, C11
C12, C13, C14, C18, D15,
D26, D31

四画

方江陵 B144, D8
王南钦 B70, C11, D4, D20, D26
王银桂 A150, A159, A173, D3,
D16, D19
王凡成 B13, C13, C14, C18
王水菊 A28, B68, C18
王佛松 D3, D28
王金枝 D8
区泽棠 B13, C3, C12, C13, C18, D15
尤金跨 B1
毛秉伟 A1, A35, B3, B9, B103

五画

田昭武 A1, B5, B17, B47, B89, B116
B122, B164, C5, C9, D11, D18
田中群 A28, A35, D27
包立源 B89
孙世刚 B17, B29, B82, C9

六画

庄启星 A180, D22
庄马展 B93, B97, D5
许书楷 B64, B195, D11, D13, D16

许金来 C15, D7, D24

许翩翩 C15, D7, D13, D24

刘金波 B170, C4, D20

刘晓云 B133

刘赞今 B144, D8

刘玉达 C16

李玉桂 A180, D20

李文莹 B93, B97, B148, B168, D5

李庆水 D13, D23

李基涛 D19, D26

七画

汪海有 B170, C4, D20
苏剑瑞 A150, B148, B168, D3, D22
苏文煅 B154, B160, D14, D17
吴辉煌 B1, B29, B33, B56, B82,
B113, B127, D10, D14,
D16, D25
吴也凡 B68, B100, B150, B181,
B182, B183, D15, D25, D28
何淡云 B51, D18, D23
张乾二 A119, A150, A159, B70
B77, B185, B190, D1, D4
D12, D21
张鸿斌 C10, C11, D26
张 纶 B25, B38, B177
张 鹏 B25, B38, B148, B168,
B177, D6
张藩贤 C15, D7, D9, D13, D24
陈衍珍 B47, B74, B87, B116
B122, B164, D2
陈体衍 D10
陈明旦 B111, B133

八画

- 郑兰荪 B25, B38, B93, B97, B148,
B168, B177, D1, D5, D6
 林昌健 A15, C5
 林梦海 A119, B185, B190, D12
 林仲华 A1, B5, B60 D7
 林国栋 B68, B100, B150, B181, B182
B183, D15, D25, D28
 林仁存 B51, D18, D23
 林文锋 A35, C9
 林祖赓 D9, D10, D29, D30
 杨华惠 B25, B38, B177, D1
 杨 勇 D30
 杨防祖 D11
 卓向东 D9, D18, D29
 罗 瑾 B5
 周泰锦 A128, A140, C11, D17, D26
D31
 周绍民 A11, B33, B64, B82, B113,
B127, B144, B154, B160,
B195, D8, D10, D11, D13,
D14, D14, D16, D17, D25, D30
 周原朗 B133, B138
 周牧易 D5, D12

九画

- 洪 亮 B68, B100, B150, B181,
B182, B183, D15, D25, D28
 施大双 B26, D2
 祝以湘 B51, D18, D23
 胡盛志 B26, B11, B133, B138, D1,
D2, D2, D6
 胡荣宗 D11
 胡云行 B24, C1, D31
 姚士冰 A11, B144, D8

十画

- 高景星 C3, C12, D15
 唐金松 D3, D28
 袁友珠 B68
 莫亦荣 B70, D4, D20
 徐 听 A159
 翁维正 B42

十一画

- 谢兆雄 D1, D2
 黄开辉 A41, A73, A90, A105
 黄明生 B25, B38, B138, B177, D6
 黄荣彬 B93, B97 B148, B168,
D5, D6
 龚永强 B13, C13

十二画

- 曾 定 B150, B181, B182, B183,
D15
 葛福云 A11, B64, B195, D13
 景遐斌 D3, D28
 傅锦坤 B170, C4, D20

十三画以上

- 雷良才 D3, D28
 赖伍江 D5, D6
 蔡启瑞 B13, B24, B68, B100, B150
B170, B182, B183, C1, C3
C4, C12, C13, C14, C18,
D15, D15, D20, D25, D31
 蔡丽芬 B74, B87, D19, D26
 蔡俊修 B24, B42, C1, D31
 穆纪千 D14, D18
 戴鸿平 B82, D10, D25
 戴深峻 B42

论文目录

A. 国外刊物论文

1. ADVANCED ELECTROCHEMISTRY IN CHINA
Zhaowu TIAN, Zhonghua LIN and Bingwei MAO
DENKI KAGAKU, 59 (8) (1991) 639-648.....(A1)
2. MOSSBAUER STUDIES OF ELECTRODEPOSITED Ni-Fe ALLOYS
Rongqin CHEN, Shibing YAO, Fuyun GE and Shaomin ZHOU
Hyperfine Interaction, 69 (1-4) (1991) 561-564.....(A11)
3. A SPECTROSCOPIC TECHNIQUE FOR IN SITU MEASUREMENT OF WATER AT THE COATING/METAL INTERFACE
Tinh Nguyen, Eric Byrd and Changjian LIN
J. Adhesion Sci. Technol., 5 (9) (1991) 697-709.....(A15)
4. ELECTROCHEMICAL AND XPS STUDIES ON THE GENERATION OF SILVER CLUSTERS IN POLYANILINE FILMS
Z. Q. TIAN, Y. Z. LIAN, J. Q. WANG, S. J. WANG and W. H. LI
J. Electroanal. Chem., 308 (1991) 357-363.....(A28)
5. POTENTIAL AVERAGED SURFACE-ENHANCED RAMAN SPECTROSCOPIC SCN⁻ ADSORBED AT Ag ELECTRODES
Z. Q. TIAN, W. f. LIN and B. W. MAO
J. Electroanal. Chem., 319 (1991) 403-408.....(A35)
6. TRANSITION METAL BONDING FUNCTIONS AND THEIR APPLICATION IN ADSORPTIONS AND CATALYTIC REACTIONS PART I : THEORETICAL MODEL
K. H. HUANG
Journal of Molecular Catalysis, 64 (1991) 53-84.....(A41)
7. TRANSITION METAL BONDING FUNCTIONS AND THEIR APPLICATIONS IN CATALYTIC ADSORPTIONS AND REACTIONS PART II . MICROMECHANISM OF CO CHEMISORPTION AND A NEW CONCEPT OF σ - π COORDINATION
K. H. HUANG
Journal of Molecular Catalysis, 64 (1991) 85-101.....(A73)

8. TRANSITION METAL BONDING FUNCTIONS AND THEIR APPLICATIONS IN CATALYTIC ADSORPTION AND REACTIONS PART III. EFFECT OF METAL VALENCE BAND AND PERIODIC TREND OF CO σ - π BONDING FUNCTIONS ON TRANSITION METALS
K. H. HUANG
Journal of Molecular Catalysis, 64 (1991) 103-117..... (A90)
9. TRANSITION METAL BONDING FUNCTIONS AND THEIR APPLICATIONS IN CATALYTIC ADSORPTIONS AND REACTIONS PART IV. CHARACTERIZATION OF CO ADSORPTION-BONDING, IR SPECTRA, SURFACE SPECIES POPULATION AND ADSORPTION HEATS
K. H. HUANG
Journal of Molecular Catalysis, 64 (1991) 119-132..... (A105)
10. ELECTRONIC STRUCTURES OF OCTAHEDRAL CLUSTER HALIDES OF TRANSITION METALS $[M_6X_8]^{n+}$, $[M_6X_{12}]^{n+}$ AND THEIR INTERSTITIAL COMPOUNDS $[M_6X_{12}Z]$
Menghai LIN and Qianer ZHANG
Journal of Molecular Structure (Theochem), 228 (1991) 139-147..... (A119)
11. A STUDY OF LOCALIZED MOLECULAR ORBITALS BY THE GROUP THEORY METHOD AND ITS APPROACH TO THE MANY-ELECTRON CORRELATION PROBLEM
PART 1. GROUP SYMMETRIC LOCALIZED MOLECULAR ORBITALS
Taijin ZHOU
Journal of Molecular Structure (Theochem), 236 (1991) 53-64..... (A128)
12. A STUDY OF LOCALIZED MOLECULAR ORBITALS BY THE GROUP THEORY METHOD AND ITS APPROACH TO THE MANY-ELECTRON CORRELATION PROBLEM
PART 2. THE POINT GROUP SYMMETRY AND CALCULATION PROGRAM OF SPIN-FREE HAMILTONIAN MATRIX ELEMENTS
Taijin ZHOU
Journal of Molecular Structure (Theochem), 236 (1991) 65-74..... (A140)
13. ELECTRONIC STRUCTURE OF ORGANOMETALLIC COMPOUNDS CONTAINING A NAKED PHOSPHORUS CLUSTER
Jianrui SU, Yingui WANG and Qianer ZHANG
Journal of Molecular Structure (Theochem), 236 (1991) 239-247..... (A150)
14. DV-X α STUDY OF ETHYLENE ADSORBED ON Ni(100) SURFACE AND NICKEL-GRAFITE INTERCALATION COMPOUND
X. Xu, N. Q. Wang and Q. E. Zhang

Journal of Molecular Structure, 247 (1991) 93-106..... (A159)

15. ELECTRONIC STRUCTURES OF $[M_3(\mu_s-X)(\mu_2-S_2)_3]^{4+}$ ($M=Mo, Ti$) CLUSTER COMPOUNDS AND THE EFFECTS OF THE μ_s-X CAP TO THE SELF-ASSEMBLY IN CLUSTER SYNTHESIS

Yingui WANG, Jing WANG and Jun LI

Journal of Molecular Structure (Theochem), 251 (1991) 165-171..... (A173)

16. HETEROGENEOUS PHOTOCATALYTIC DEHYDROGENATION FROM ETHANOL AND HEAVY WATER

Yannan WU, Yugui LI and Qixing ZHUANG

J. Photochem. Photobiol. A: Chem., 62 (1991) 261-267..... (A180)

B 国内核心刊物论文

1. A SNIFTIRS STUDY OF THE BENZOQUINONE-BENZOHYDROQUINONE REDOX SYSTEM IN AQUEOUS SOLUTION

Jinkua YOU, Huihuang WU

Chinese Chemical Letters, 2 (1), (1991) 55-56..... (B1)

2. NUCLEATION BEHAVIOURS OF SILVER ON GLASSY CARBON MICROELECTRODES

Bingwei MAO, Hongwei YUAN

Chinese Chemical Letters, 2 (2), (1991) 139-140..... (B3)

3. A COMBINED MEASUREMENT SYSTEM FOR UV/V IN SITU SPECTROELECTROCHEMICAL STUDY

Jin LUO, Zhonghua LIN, Zhaowu TIAN

Chinese Chemical Letters, 2 (4), (1991) 309-312..... (B5)

4. A STUDY OF STRUCTURE TRANSITION OF CHLORIDE LAYER ADSORBED ON Ag(100) ELECTRODES

Bingwei MAO

Chinese Chemical Letters, 2 (8) (1991) 661-664..... (B9)

5. OXIDATIVE COUPLING OF METHANE OVER Na_2CO_3 DOPED ZIRCONIUM DIOXIDE

Yongqiang GONG, Fancheng WANG, Chaktong AU, Huilin WAN and Khirui TSAI

Chinese Chemical Letters, 2 (12) (1991) 967-970..... (B13)

6. IN SITU FTIR SPECTROSCOPIC STUDIES OF ELECTROCATALYTIC PROCESSES—OXIDATION OF n-PROPANOL ON Pt ELECTRODE

- Shigang SUN, Dongfang YANG, Zhaowu TIAN
Progress in Natural Science, 1(1) (1991) 48-54..... (B17)
7. 雾化高温分解法铜基催化剂合成甲醇的研究
胡云行 蔡俊修 万惠霖 蔡启瑞
科学通报 1991, 36(6) 476-478..... (B24)
8. $[\text{Ag}_2(\text{dppm})_2(\text{Py})_2\text{Cl}] \text{ClO}_4$ 的晶体结构
张鹏 张颖 黄明生 郑兰荪 杨华惠
科学通报 1991, 36(10) 799-800..... (B25)
9. 新型非线性光学材料 $[\text{Cd}(\text{POM})_2\text{Br}_2]$ 的二次谐波效应与晶体结构的关系
李宋贤 杨衍超 林帆 陈建中 施大双 胡盛志
科学通报 1991, 36(19) 1469-1471..... (B26)
10. 葡萄糖电化学氧化机理--伏安法与原位 FTIR 反射光谱法研究
Paulina Suarez 孙世刚 吴辉煌
科学通报 1991, 36(22) 1701-1710..... (B29)
11. 生物功能电极 I. GOD修饰电极的电化学活性
吴辉煌 郑智敏 周绍民
化学学报 1991, 49, 689-693..... (B33)
12. 脯桥双核银配合物 $[\text{Ag}(\text{dppm})\text{NO}_3]_2$ 的合成与结构
张鹏 黄明生 张颖 郑兰荪 杨华惠
化学学报 1991, 49, 1120-1123..... (B33)
13. 丙烯在 MoO_3 和 $\text{r}-\text{Bi}_2\text{MoO}_6$ 上选择(氨)氧化剂产物形成机理的化学捕获和DRFTIR研究
翁维正 阎季阳 蔡俊修 曹守镜 戴深峻 陈玲玲 万惠霖
高等学校化学学报 1991, 12(1), 106-110..... (B42)
14. 聚邻氨基酚膜的络合与再修饰的研究
陈衍珍 张爱强 田昭武
高等学校化学学报 1991, 12(4), 519-522..... (B47)
15. 锆在乙苯脱氢氧化铁基催化剂中的助催化作用
祝以湘 何淡云 林仁存 蔡庆叠
高等学校化学学报 1991, 12(4), 523-527..... (B51)

16. 非平衡渗入条件下的电化学渗氢模型
吴辉煌
高等学校化学学报 1991, 12 (4), 537-540..... (B56)
17. 阳极氧化膜 WO_3 (I)——电显色和自褪色
林仲华 陈坤尧 郑智珍 陈海漪
高等学校化学学报 1991, 12 (7), 946-949..... (B60)
18. 彩虹色铬膜电沉积研究
葛福云 许书楷 周绍民
高等学校化学学报 1991, 12 (7), 954-957..... (B64)
20. 分子氮的电催化还原
吴也凡 王水菊 洪亮 林国栋 袁有珠 蔡启瑞
高等学校化学学报 1991, 12 (9), 1251-1252..... (B68)
21. 丙烯和甲苯的超共轭效应的理论研究
莫亦荣 王南钦 张乾二
高等学校化学学报 1991, 12 (10), 1353-1356..... (B70)
22. 噻吩光电化学聚合的研究
蔡丽芬 陈衍珍
高等学校化学学报 1991, 12 (10), 1411-1413..... (B74)
23. 键表的自洽场方法
吴玮 张乾二
高等学校化学学报 1991, 12 (11), 1517-1521..... (B77)
24. 玻碳电极电化学活化的原位FTIR反射光谱研究
戴鸿平 孙世刚 吴辉煌 周绍民
高等学校化学学报 1991, 12 (12), 1635-1639..... (B82)
25. [Pt]-Ni(II) 电极的研究
蔡丽芬 陈衍珍 高远忠
高等学校化学学报 1991, 12 (12), 1675-1676..... (B87)
26. 一种高性能流动体系电流检测器
包立源 田昭武
分析化学 1991, 19 (2), 253-256..... (B89)

27. 四种同分异构的四环稠环芳烃的激光等离子体质谱分析
黄荣彬 李文莹 庄马展 郑兰荪
分析化学 1991, 19 (12), 1383-1386..... (B93)
28. 激光蒸发2,3-苯并蒽产生的负离子质谱
庄马展 李文莹 黄荣彬 郑兰荪
化学通报 1991, (5), 21-23..... (B97)
29. 磷化聚苯硫醚的制备与表征
吴也凡 林国栋 洪亮 蔡启瑞
化学通报 1991, (5), 25-27..... (B100)
30. 扫描隧道显微技术及其在电化学中的应用
毛秉伟
化学通报 1991, (6), 13-20..... (B103)
31. 分子图形微机处理程序
陈明旦 胡盛志
化学通报 1991, (11), 56-57..... (B111)
32. 蒸餾的电化学还原机理——伏安法与原位FTIR 反射光谱法研究
吴辉煌 陈维斌 周绍民
自然科学进展——国家重点实验室通讯 1991, (6), 548-550..... (B113)
33. 邻氨基酚电聚合膜的研究
张爱强 陈衍珍 田昭武
物理化学学报 1991, 7 (2), 146-151..... (B116)
34. 聚合物-Ni(II)膜电极的研究
陈衍珍 李容芬 田昭武
物理化学学报 1991, 7 (2), 158-162..... (B122)
35. 生物功能电极 III. 葡萄糖氧化酶的电化学固定化研究
郑智敏 吴辉煌 周绍民
物理化学学报 1991, 7 (2), 163-168..... (B127)
36. 乙酰丙酮和1-萘甲酸甲酯加成物 $C_{17}H_{18}O_4$ 的晶体结构和分子力计算
胡盛志 陈明旦 刘晓云 周原朗

- 物理化学学报 1991, 7 (2), 191-195..... (B133)
37. 乙酰丙酮光二聚产物 $C_{10}H_{16}O_4$ 的晶体结构和分子力学计算
胡盛志 黄明生 程贤恩 周原朗
物理化学学报 1991, 7 (2), 196-201..... (B138)
38. 用正电子湮没寿命谱法研究锡镀层缺陷
姚士冰 刘贊今 周绍民 方江陵
物理化学学报 1991, 7 (2), 215-218..... (B144)
39. 激光作用磷化铟所产生的负离子质谱及其分析
张鹏 黄荣彬 李文莹 苏剑瑞 郑兰荪
物理化学学报 1991, 7 (4), 394-395..... (B148)
40. ATP 与 Fe_4S_4 结合的 ^{31}P -NMR 研究
吴也凡 李春芳 曾定 洪亮 林国栋 蔡启瑞
物理化学学报 1991, 7 (4), 400-403..... (B150)
41. 电极/溶液界面单分子吸附层的统计力学处理
Ⅲ. 梅电极上水-甲醇混合溶剂化层结构
苏文煅 周绍民 周小林
物理化学学报 1991, 7 (4), 443-448..... (B154)
42. 电极/溶液界面单分子吸附层的统计力学处理
Ⅳ. 水溶液中银单晶电极的内层微分电容
苏文煅 周绍民 周小林
物理化学学报 1991, 7 (5), 549-552..... (B160)
43. 金属基底上吡咯光电化学聚合的研究
陈衍珍 许可扬 田昭武
物理化学学报 1991, 7 (5), 589-592..... (B164)
44. 磷原子簇正负离子的激光产生与质谱分析
黄荣彬 张鹏 李文莹 苏剑瑞 郑兰荪
物理化学学报 1991, 7 (6), 646-647..... (B168)
45. 合成气转化为乙醇的反应机理
汪海有 刘金波 傅锦坤 蔡启瑞
物理化学学报 1991, 7 (6), 681-687..... (B170)

46. 脯桥多核银络合物 $[Ag_4(dppe)_3(No_3)_4]$ 的合成与结构
黄明生 张鹏 张颖 杨华惠 郑兰荪
物理化学学报 1991, 7 (6), 694-697..... (B177)
47. ATP 表面配合物化学修饰电极的电化学性质研究
吴也凡 曾定 洪亮 林国栋
生物化学与生物物理进展 1991, 18 (3), 209..... (B181)
48. 电子传递促进的 ATP 水解
吴也凡 曾定 林国栋 洪亮 蔡启瑞
生物化学与生物物理进展 1991, 18 (5), 373-374..... (B182)
49. 腺苷酸化合物与固氮酶组分结合的化学模拟
吴也凡 曾定 林国栋 洪亮 蔡启瑞
生物化学与生物物理进展 1991, 18 (5), 375-376..... (B183)
50. Tc_6 三棱柱原子簇电子结构探讨
林梦海 张乾二
无机化学学报 1991, 7 (1), 37-41..... (B185)
51. 稀土元素六核簇卤化物及其嵌合物的量子化学研究
林梦海 张乾二
中国稀土学报 1991, 9 (4), 297-301..... (B190)
52. 蓝色铬膜层的电沉积机理
葛福云 许书楷 周绍民
应用化学 1991, 8 (1), 6-9..... (B195)

C. 国际会议论文摘要

1. STUDY ON METHANOL SYNTHESIS OVER Cu-BASED CATALYSTS PREPARED BY AHTD
Yunhang HU, Junxiu Tsai, Huilin WAN, Khirui Tsai
C-J Bilateral Symp. on Effective Utiligation of Carbon Resource,
(1991, 14-15)..... (C1)
2. PROMOTER EFFECT ON HYDROFORMYLATION, CARBOXYLATION AND HYDROESTERIFICATION
OF OLEFINS CATALYZED BY WATER-SOLUBLE RUTHENIUM-PHOSPHINE-CLUSTER COMPLEX
Jingxing GAO, Huilin WAN, C. T. Au and Khirui TSAI

- C-J Bilateral Symp. on Effective Utiligation of Carbon Resource,
(1991).....(C3)
3. STUDY ON THE MECHANISM OF ETHANOL SYNTHESIS FROM SYNGAS BY CHEMICAL TRAPPING AND ISOTOPIC EXCHANGE REACTIONS
• H-Y. WANG, J-P. LIU, J-K. FU, K-R. TSAI
5th China-Japan-USA Symposium on Catalysis
(June, 1991, Evanston, USA) PA-18.....(C4)
4. INSIGHT INTO THE NATURE OF CORROSION RESISTANCE FOR THE ELECTROCHEMICALLY MODIFIED PASSIVE FILM ON 18-8 STAINLESS STEEL
Changjian LIN, Yu MAO and Zhaowu TIAN
Corr. Contr., Pro. of the 7th Asian-Pacific Corrosion Control Conference
(1991, 8, Beijing, China) 1069-1072.....(C5)
5. CO-ADSORPTION OF CARBON MONOXIDE AND ADATOMS AT A PLATINUM ELECTROCATALYST INVESTIGATED BY IN SITU FTIR SPECTROSCOPY AND QUANTUM CHEMISTRY ANALYSIS
Wenfeng LIN, Shigang SUN and Zhaowu TIAN
42th ISE Meeting (Switzerland, 1991), C-186.....(C9)
6. CHARACTERIZATION OF ACTIVE SITE OF SUPPORTED Mo-BASED CATALYSTS FOR ACETONITRILE SYNTHESIS
Jiliang HE, Yong LI, Hong-bin ZHANG
Proceedings of Fourth Asian Chemical Congress
(August 26-30, 1991, Beijing, China) 899.....(C10)
7. A NEW METHOD OF QUANTUM-CHEEMICAL CALCULATION FOR CHEMISORPTION ON CRYSTAL SURFACE
Taijin ZHOU, Hongbin ZHANG, Huilin WAN and Nanqin WANG
Proceedings of Forth Asian Chemical Congress
(August, 1991, Beijing) 902.....(C11)
8. NEW CATALYST FOR HYDROFORMYLATION AND CARBOXYLATION OF OLEFINS
Jingxing GAO, Huilin WAN, C. T. AU, K. R. TSAI
Proceedings of Forth Asian Chemical Congress
(August, 1991, Beijing) 906.....(C12)
9. OXIDATIVE COUPLING OF METHANE OVER Na_2CO_3 DOPED ZIRCONIUM DIOXIDE
Yongqiang GONG, Fancheng WANG, C. T. AU, Huilin WAN and Khirui TSAI

- Proceedings of Forth Asian Chemical Congress
(August, 1991, Beijing) 907..... (C13)
10. THE EFFECTS OF PROMOTER IN THE OXIDATIVE COUPLING OF METHANE OVER TiO₂
Fancheng WANG, Huilin WAN and Khirui TSAI
Proceedings of Forth Asian Chemical Congress
(August, 1991, Beijing) 908..... (C14)
11. Ce(SO₄)₂ AND V₂O₅ PROMOTED PdCl₂-PHENANTHROLION CATALYST FOR REDUCTIVE CARBONYLATION OF NITROBENZENE
Wei WANG, Fanxian ZUANG, Pianpian XU and Jinlai XU
Proceedings of Forth Asian Chemical Congress
(August, 1991, Beijing) 919..... (C15)
12. SUPERCONDUCTIVE STRUCTURE OF YBa₂Cu₃O_{7-x} CERAMIC
Fayang WANG, Duhui CHEN and Endian LIU
Proc. of Int. 4th Beijing Conf. and Exhib. on Instrum. Analysis,
(Oct., 1991) A-29..... (C16)
13. METHANE ACTIVATION OVER TITANIUM AND TITANIUM DIOXIDE
Fancheng WANG, Shuiju Wang, Fuchun XU, C. T. AU, H. L. WAN and K. R. TSAI
5th Trilateral Symposium on Catalysis
(June, 1991, Evanston, Illinois) PB-20..... (C18)

D. 国内刊物论文英文摘要

1. SYNTHESIS AND STRUCTURE OF DIAQUO- μ -TRIETHYLENETE-TRAAMINOHEXAACETATO-DIANTIMONY(III) [(H₂O)Sb(ttha)Sb(H₂O)]
Hu Sheng-Zhi, Xie Zhao-Xiong
JIEGOU HUAXUE (J. Struct. Chem.) 1991, 10 (1), 81-83..... (D1)
2. MOLECULAR AND CRYSTAL STRUCTURE OF ((C₆H₅)₂P)₂Ag(CO₂H)
Zheng Lan-Sun Yang Hua-Hui Zhang Qian-Er
JIEGOU HUAXUE (J. Struct. Chem.) 1991, 10 (2), 97-99..... (D1)
3. SYNTHESSES AND CRYSTAL STRUCTURES, REACTION OF α -THIOPICOLIN- α -TOLUIDIDE AND ITS ORGANOTIN COMPLEX
Hu Sheng-Zhi Shi Da-Shuang Huang Tai-Shan Wan Jia-Zhu Huang Ze-Xing
JIEGOU HUAXUE (J. Struct. Chem.) 1991, 10 (2), 110-116..... (D2)

4. CRYSTAL STRUCTURE OF SODIUM ETHYLENEDIAMINETETRA-ACETATOANTIMONY(III)
TRIHYDRATE $\text{Na}[\text{Sb}(\text{edta})] \cdot 3\text{H}_2\text{O}$
Xie Zhao-Xiong Hu Sheng-Zhi
JIEGOU HUAXUE (J. Struct. Chem.) 1991, 10 (2), 129-131..... (D2)
5. BONDING CHARACTERISTICS OF 7-COORDINATED PENTAGONAL BIPYRAMIDAL COMPLEXES
 $[\text{EuCl}_8(\text{THF})_4]$ AND $[\text{Ui}_8(\text{THF})_4]$
Wang Yin-Gui Su Jian-Rui
JIEGOU HUAXUE (J. Struct. Chem.) 1991, 10 (3), 183-186..... (D3)
6. RAMAN SPECTROSCOPIC STUDY ON THE ELECTROCHEMICAL BEHAVIOURS OF SOLUBLE POLYANILINE
Lei Liangcai, Zhou Yuqing, Jing Xiabin, Tang Jinsong, Wang Fosong
化学物理学报 1991, 4 (1), 124-129..... (D3)
7. THE THEORETICAL INVESTIGATION OF THE PROMOTION OF K ON CHEMISORBED CO ON Ni(100) Mo Yirong, Wang Nanqin, Zhang Qianer
化学物理学报 1991, 4 (5), 330-337..... (D4)
8. QUANTUM CHEMISTRY STUDY ON THE NATURE OF THE CO AND H_2 ACTIVATION ON CuO-ZnO CATALYSTS FOR METHANOL SYNTHESIS
Lai Wujiang
化学物理学报 1991, 4 (5), 350-356..... (D5)
9. CORRELATION BETWEEN STRUCTURE AND MASS SPECTRA OF CARBON CLUSTERS
Zheng Lansun, Li Wenyi, Huang Rongbin, Zhuang Mazhan, Zhou Muyi
结构化学 1991, 10 (4), 247-251..... (D5)
10. PRODUCTION OF NIOBIUM-SULFUR CLUSTER IONS IN LASER PLASMA REACTIONS AND A PRELIMINARY DISCUSSION OF THEIR QUASI-AROMATICITY IN THESE CLUSTER IONS
Zheng Lansun, Huang Rongbin, Zhang Peng, Zhu Yongbao
结构化学 1991, 10 (4), 252-257..... (D6)
11. CRYSTAL STRUCTURE OF 1-METHYLSILATRANE AND QUANTUM CHEMISTRY CALCULATIONS OF THE Si-N BONDING IN SILATRANES
Lai Wujiang, Hong Manshui, Huang Mingsheng, Hu Shengzhi
结构化学 1991, 10 (4), 258-263..... (D6)

12. CATALYTIC PERFORMANCE OF PALLADIUM-PHENANTHROLINE COMPLEXES IN THE REDUCTIVE CARBONYL ATION OF NITROBENZENE
Zhang Fanxian, Wang Wei, Wang Jinghua, Xu Jinlai, Xu Pianpian
厦门大学学报(自然科学版) 1991, 30(1), 41-45..... (D7)
13. OXIDATIVE ELECTROPOLYMERIZATION OF N-VINYLCARBAZOLE
Lin Zhonghua, Xie Jun
厦门大学学报(自然科学版) 1991, 30(1), 46-50..... (D7)
14. RELATIONSHIP BETWEEN STRUCTURE DEFECT AND WELDABILITY OF ELECTRODEPOSITED Sn-Sb ALLOY
Yao Shibing, Liu Zanjin, Fang Jinagling, Zhou Shaomin
厦门大学学报(自然科学版) 1991, 30(1), 51-54..... (D8)
15. THE CRYSTAL AND MOLECULAR STRUCTURE OF $[Nd(H_2O)_4(NO_3)_3] \cdot 2H_2O$
Shi Bide, Wang Jinzhi
厦门大学学报(自然科学版) 1991, 30(1), 55-58..... (D8)
16. DETERMINATON OF CARBON DEPOSITED ON CATALYSTS BY GAS CHROMATOGRAPHY
Huang Jujun, Ke Kui, Zhang Fanxian
厦门大学学报(自然科学版) 1991, 30(1), 112-114..... (D9)
17. A COMPUTERIZED SYSTEM FOR CHARGE/DISCHARGE PERFORM ANCE OF VENTED Cd-Ni BATTERIES
Zhuo Xiangdong, Ye Bailing, Hu Weiling, Lin Zhugeng
厦门大学学报(自然科学版) 1991, 30(2), 160-164..... (D9)
18. MICROCOMPUTER-CONTROLLED SYSTEM FOR BIOELECTROCHEMICAL MEASUREMENT
Dai Hongping, Wu Huihuang , Zhou Shaomin
厦门大学学报(自然科学版) 1991, 30(2), 165-170..... (D10)
19. THEORETICAL ANALYSIS OF GAS DIFFUSSION IN A AIR BUTTON BATTERY
Chen Tixian, Zhou Xiaolin, Lin Zugeng
厦门大学学报(自然科学版) 1991, 30(2), 171-174..... (D10)
20. RESEARCH IN ELECTROMIGRATION CAPILLARY ION CHROMATOGRAPHY
Hu Rongzong, Wang Yixing, Tian Zhaowu
厦门大学学报(自然科学版) 1991, 30(2), 175-178..... (D11)

21. STUDY ON THE ELECTRODEPOSITION MECHANISM OF Zn-Fe ALLOY
Xu Shukai, Yang Fangzu, Zhou Shaomin
厦门大学学报(自然科学版) 1991, 30(2), 179-183..... (D11)
22. ELECTRONIC STRUCTURE STUDY ON THE VI A GROUP ELEMENT CLUSTERS
Lin Menghai, Zhang Qianer
厦门大学学报(自然科学版) 1991, 30(3), 284-288..... (D12)
23. AN ANALYSIS FOR THE Zr (0001) - (2*2)-O SURFACE STRUCTURE
M. Y. Zhou
厦门大学学报(自然科学版) 1991, 30(3), 278-283..... (D12)
24. ELECTRO-REDUCTION OF CrO₃ IN Cr-PLATING BATH
Ge Fuyun, Xu Shukai, Zhou Shaomin
厦门大学学报(自然科学版) 1991, 30(3), 289-293..... (D13)
25. STUDY ON COPPER-BASED CATALYST FOR DIRECT DEHYDROGENATION OF METHANOL BY TPR-TPO TECHNIQUE
Zhang Fanxian, Xu Pianpian, You Chentao, Li Qingshui
厦门大学学报(自然科学版) 1991, 30(4), 380-384..... (D13)
26. REDUCTION OF QUINONES AT GOD MODIFIED CARBON ELECTRODES: MECHANISM AND ANALYTICAL APPLICATION
Chen Weibin, Wu Huihuang, Zhou Shaomin
厦门大学学报(自然科学版) 1991, 30(4), 385-388..... (D14)
27. STUDY ON ELECTRON TRANSFER BETWEEN FeCP₂(NB) AND Fe³⁺W AT W/NB INTERFACE AFFECTED BY H₂TPP AND MTPP
Xia Xinghua, Mu Jiqian, Su Wenduan, Zhou Shaomin
厦门大学学报(自然科学版) 1991, 30(4), 389-393..... (D14)
28. COMPLEXATION OF [Mo₂Fe₆S₈(Sph)₆(MeO)₈]³⁻ CLUSTER WITH ADENLYLATE COMPOUNDS
Wu Yefan, Zeng Ding, Lin Guodog, Hong Liang, Cai Qirui
厦门大学学报(自然科学版) 1991, 30(4), 428-432..... (D15)
29. NEW CATALYST FOR HYDROFORMYLATION AND CARBOXYLATION OF OLEFINS
Gao Jingxing, Ou Zetang, Wan Huilin, Cai Qirui
厦门大学学报(自然科学版) 1991, 30(5), 486-491..... (D15)