

1995在国内外杂志上发表的论文

一、 在外文杂志上发表的论文

- 01 Methane activation without using oxidants over Mo/HZSM-5 zeolite catalysts
Yide Xu, Shetian Liu, Linsheng Wang, Maosong Xie, and Xiexian Guo
Catalysis Letters, 30(1995)135-149
- 02 Promotion effect of K_2O and MnO additives on the selective production of light alkenes via syngas over Fe/silicalite-2 catalysts
Xu-Longya, Wang-Qingxia, Xu-Yide and Huang-Jiasheng
Catalysis Letters, 31(1995)253-266
- 03 Study on catalysis by carbonyl cluster-derived SiO_2 -supported rhodium for ethylene hydroformylation
Lin Huang, Yide Xu, Wengui Guo, Anming Liu, Daming Li and Xiexian Guo
Catalysis Letters, 32(1995)61-81
- 04 A study of the oxidative coupling of methane over $SrO-La_2O_3/CaO$ catalysts by using CO_2 as a probe
Yide. Xu, Lin. Yu, Chen. Cai, Jiasheng Huang and Xiexian Guo
Catalysis Letters, 35(1995)215-231
- 05 Interaction between ammonium heptamolybdate and NH_4 ZSM-5 zeolite: the location of Mo species and the acidity of Mo/HZSM-5
Yide Xu, Yuying Shu, Shetian Liu, Jiasheng Huang and Xiexian Guo
Catalysis Letters, 35(1995)233-243
- 06 $[Ru_6(CO)_{18}]^{2-}$ in NaX zeolite cages: characterization by EXAFS and FTIR spectroscopy
A.-M.Liu, T.Shido and M.Ichikawa
J. CHEM. SOC., CHEM. COMMUN.,(1995)507-508
- 07 Activation and aromatization of methane and ethane over Mo/HZSM-5 and W/HZSM-5
LinshengWang, Yide Xu, Maosong Xie, Shetian Liu, Longxiang Tao and Guifen Xu
Studies in Surface Science and Catalysis, 94(1995)495-500
- 08 CO hydrogenation towards higher alcohols catalysed on SiO_2 -grafted and zeolite-entrapped Ru, Co and RuCo bimetallic clusters:
their EXAFS and FTIR characterization and catalytic performances
G.-C.Shen, A.-M.Liu, Takafumi Shido and Masaru Ichikawa
Topics in Catalysis, 2(1995)141-154
- 09 Oxidation of carbon monoxide and ethylene on Pd(001)C(2 \times 2)-Mn
Jin-Feng Jia, Kai Wu, Si-Hua Lu, Ru-Guang Zhao, Xuming Wei, Si-Cheng Wu, De-Zheng Wang
Surface Science, 338(1995)69-76

- 10 Oxidation of carbon monoxide and ethylene on Pd(001)-C(212)Mn
Wu Kai, Runsheng Zhai, Jinfeng Jia, Sihua Lu and Sicheng Wu
Journal of Electron Spectroscopy and Related Phenomena, 76(1995)201-206
- 11 The role of NO₂ in the reduction of NO by hydrocarbon over Cu-ZrO₂ and Cu-ZSM-5 catalysts
K.A.Bethke, C.Li, M.C.Kung, B.Yang and H.H.Kung
Catalysis Letters, 31(1995)287-299
- 12 Interaction of methane with surfaces of silica, aluminas and HZSM-5 zeolite. A comparative FT-IR study
Laiyuan Chen, Liwu Lin, Zhusheng Xu, Tao Zhang, Dongbai Liang
Catalysis Letters, 35(1995)245-258
- 13 Thermal decomposition of ammonium vanadyl oxalate supported on various oxides.
X. S. Li, L. Y. Chen, C. Y. Xie, Y. F. Miao, D. M. Li, Q. Xin
Thermochimica Acta, 260(1995)115-124
- 14 Deactivation of NaCl/B₂O₃/Fe₂O₃ catalysts and their improvement for the oxidative coupling of methane
Xinrui Xia, Guoxing Xiong, Qing Miao and Xiexian Guo
Catalysis Letters, 31(1995)183-195
- 15 Conversion of syngas to C₁-C₆ alcohols mixtures on promoted CuLa₂Zr₂O₇ catalysts
Wei Chu, Roger Kieffer, Alain Kiennemann, Jean Paul Hindermann
Applied Catalysis A: General, 121(1995)95-111
- 16 ESCA studies on copper-cobalt catalysts
Wei Chu, Guoxing Xiong, H. R. Chen, S.S.Shen, X.X.Guo
React. Kinet. Catal. Lett., 2(1995)331-339
- 17 Preparation and characterization of novel porous metal/ceramic catalytic membrane materials
Zhao Hongbin, XiongGuoxing, GuJinghua, ShengShishan, H. Bauser, N. Stroh, K.Pflanz
Catalysis Today, 25(1995) 237-240
- 18 Dehydration of 1-Butanol over γ -Al₂O₃ catalytic membrane
Mengcheng Lu, Guoxing Xiong, Hongbin Zhao and Wei Cui, Jinghua Gu, H.Bauser
Catalysis Today, 25(1995)339-344
- 19 A novel method of preparation of Pd/Al₂O₃ composite catalytic membrane: Modification of the Surface of Sol Particles
Zhao Hongbin, Xiong Guoxing, Gu Jinghua, H. Bauser, N. Stroh, K. Pflanz
Proc. Of ICIM-4, (1995) 177-182
- 20 Study on surface properties of γ -Al₂O₃ catalytic membrane
Mengcheng Lu, Guoxing Xing, Wei Cui, Jinghua Gu, Hengrong Chen and H. Bauser
Proc. Of ICIM-4, (1995)291-298
- 21 The role of lattice and gaseous oxygen on the oxidative coupling of methane studied by a pulse reaction technique

Xu Yi-De, HUANG Bu-Wen, WEI Xin-Yun, HUANG Jia-Sheng
Journal of Natural Gas Chemistry, 2(1995)157-166

- 22 Effects of K₂O and MnO promoters on the production of light alkenes *via* syngas over Fe/Silicalite-2 catalyst
I. Activity of K-Fe-MnO/Silicalite-2 catalyst
XU Long-Ya, WANG Qing-Xia, XU Yi-De, HUANG Jia-Sheng
Journal of Natural Gas Chemistry, Vol.4 No.3 (1995)258-269
- 23 Correlation of alkalinity with aromatization selectivity of C₆ paraffin over Pt/ML(M=Li, Na, K and Rb) catalysts
Ruan Zhen-Kui, JIANG Xian, XU Yi-De
Journal of Natural Gas Chemistry, Vol.4 No.3 (1995)270-275
- 24 Aromatization of C₆ paraffin over Pt/ML (M=K, Rb) and Pt/AlPO₄₋₅ catalysts at different temperature
RUAN Zhen-Kui, JIANG Xian, Xu Yi-De
Journal of Natural Gas Chemistry, Vol.4 No.3 (1995)276-283
- 25 The electronic state of Pt on Pt/L zeolite catalyst
JIANG Xian, RUAN Zhen-Kui, Xu Yi-De, LUO Xi-Hui, HUANG Jia-Sheng, GUO Xie-Xian
Journal of Natural Gas Chemistry Vol.4 No.3 (1995)284-294
- 26 Production of light alkenes from syngas over Fe-MnO catalyst supported on IIA metal oxide
XU Longya, WANG Qingxia, XU Yide, CAI Guangyu
Journal of Natural Gas Chemistry, Vol.4 No.4 (1995)365-373
- 27 The influence of pretreatment on reforming selectivity over Pt-Re-Al₂O₃ and Pt-Ir/Al₂O₃ catalysts
RUAN Zhenkui, TAO Longxiang
Journal of Natural Gas Chemistry, Vol.4 No.4 (1995)384-392
- 28 Effects of K₂O and MnO promoters on the production of light alkenes *via* syngas over Fe/silicalite-2 catalyst II. Reducibility of K-Fe-MnO/silicalite-2 catalyst
XU Longya, WANG Qingxia, XU Yide, YANG Li, HUANG Jiasheng
Journal of Natural Gas Chemistry, Vol.4 No.4 (1995)407-417
- 29 Gas-surface CO/CO* molecular exchange on Pd and Rh(I)—Dynamic nature of chemisorption of CO/metal
Guo Xiexian, Xin Mei and Zhai Runsheng
Progress in Natural Science, 5(1995)441-449
- 30 Gas-surface CO/CO* molecular exchange on Pd and Rh(II)—Kinetics of delocalized chemisorption and distinction between strong and weak adsorption
Guo Xiexian, Xin Mei, Liu Xianchun and Zhai Runsheng
Progress in Natural Science, 5(1995)586-598
- 31 Adsorption of methane on zeolite studied by FT-IR spectroscopy
LI Can, LI Guoqiang, LIU Zhongmin, XIN Qin
Progress in Natural Science, 5(1995) 230-233
- 32 Developments of *in-situ* molecular spectroscopy in catalysis studies
Xin Qin, Gao Xingtao
Progress in Natural Science, 5 (1995) 279-290

- 33 Effects of molybdenum promoted on the Cu-Co based catalysts
CHU Wei, KIEFFER R. KIENNEMANN A.
Journal of Natural Gas Chemistry, No.1 (1995) 1-11
- 34 Synthesis and characterization of $[\text{Ru}_6(\text{CO})_{18}]^{2-}$ in NaX zeolite cages and its catalytic behavior for n-C₄H₁₀ hydrogenolysis
An Ming Liu, Lin HUNG, YiDe XU, Takafumi SHIDO, Masaru ICHIKAWA
Chinese Chemical Letters, 6(1995)163-164
- 35 Infrared studies of Co/Al₂O₃ catalysts: CO and NO adsorption
Xinsheng Li, Qin XIN
Chinese Chemical Letters, 6(1995)127-128
- 36 In situ laser Raman spectroscopy of thermal decomposition of ammonium tungstate
Xinsheng Li, Bo Zhong Zhu, Li Wang, Miao Yanfen, and Qin Xin
Chinese Chemical Letters, 6(1995)1085-1086
- 37 A new method of preparation of metal oxide modified inorganic membrane
Ruzhi Zhang, Guoxing Xiong, Shishan Sheng and Xinsheng Li
Chinese Chemical Letters, 6(1995)165-166
- 38 Synthesis of C₂⁺-Oxygenated compounds directly from syngas
P. -Z. Lin, D. -B. Liang, H. -Y. Luo, C. -H. Xu, H. -W. Zhou, S. -Y. Huang, L. -W. Lin
Applied Catalysis A: General, 131(1995) 207-214
- 39 Catalytic polymeric hollow-fiber reactors for the selective hydrogenation of conjugated dienes
Hanrong Gao, Yun Xu, Shijian Liao, Ren Liu, Jing Liu, Decai Li, Daorong Yu, Yongkui Zhao, Yinheng Fan
Journal of Membrane Science, 106(1995)213-219
- 40 A remarkable synergic effect of polymer-anchored bimetallic palladium-ruthenium catalysts in the selective hydrogenation of p-chloronitrobenzene
Zhengkun, Yu, Shijian Liao, Yun Xu, Bin Yang and daorong Yu
J. CHEM. SOC., CHEM. COMMUN., (1995)1155-1156
- 41 The study of nickel-deposited USY zeolites by f.m.r.
Tao Long-Xiang, Zhang Feng-Mei, Li Dong-Fan and Zheng Lu-Bin
Zeolites, 15(1995)176-180

二、 在国内学报级刊物上发表的论文

- 01 ZnHZSM-5上丙烷芳构化的研究-丙烷的活化
程谟杰, 王江迈, 杨亚书, 李灿
物理化学学报, Vol.11, No.8 (1995)
- 02 红外光谱研究甲烷和氧与SrO-La₂O₃/CaO表面的相互作用

余林, 徐奕德, 郭燮贤
物理化学学报, Vol.11, No.10 (1995)

03 Methane direct conversion to ethene over Mo/SAPO-34 CATALYSTS

王志龙, 徐奕德, 郭燮贤
催化学报, Vol.16 No.1(1995)3-4

04 $\text{Ru}_3(\text{CO})_{12}$ 在NaY分子筛超笼中的结构表征

刘安明, 黄林, 徐奕德, 紫藤贵文, 市川胜
催化学报, Vol.16(1995)32

05 Selective hydrogenation of cinnamaldehyde over Pt-Sn/Al₂O₃ catalysts

李涛, 徐奕德, 李光进
催化学报, 16(1995)87-88

06 The study of *in situ* synthesis of zeolite membranes

Cheng, Mo-jie; Yang, Wei-shen, Li, Xin-sheng, Yang, Ya-shu, Xu, Yi-de and Lin, Li-wu
催化学报, 16 (1995)89-90

07 甲烷在MoO₃/HZSM-5分子筛催化剂上的非氧催化转化

刘社田, 徐奕德, 郭燮贤, 王林胜, 谢茂松
催化学报, Vol.16 No.2(1995)

08 Effect of W modification on aromatization performance of ZSM-5 zeolites

Linsheng Wang, Maosong Xie, Guifen Xu and Longxiang Tao
催化学报, 16 (1995)169-170

09 K₂O 和 MnO 助剂对Fe/Silicalite-2催化剂上CO加氢制低碳烯烃性能的影响

徐龙伢, 王清遐, 杨力, 赵修松, 王开立, 徐奕德, 黄家生
催化学报, Vol.16 No.3(1995)

10 TS分子筛催化剂上烯丙基氯的环氧化性能

曹国英, 李宏愿, 夏清华, 黄家生, 徐奕德
催化学报, Vol.16 No.3(1995)

11 低碳烷烃在改性ZSM-5分子筛上的氧化脱氢裂化反应研究

陶龙骧, 王林胜, 谢茂松
石油化工(石油加工), Vol.11(1995)-10

12 分子筛笼内铂基簇合物在CO+NO反应中的催化研究

李光进, 郭燮贤, 市川胜
分子催化, Vol.9 No.1(1995)

13 甲烷直接转化制苯的Mo/HZSM-5催化剂的研究

王林胜, 谢茂松, 徐桂芬, 陶龙骧, 徐奕德
天然气化工, Vol.20 (1995)2-

- 14 气相存在下CO才PD上非线性脱附动力学研究
辛梅, 翟润生, 张林虎, 郭燮贤
物理化学学报, (1995)
- 15 外延定向生长氧化铌模型催化剂的制备
谢磊, 王德崢, 魏绪明, 曹玉明, 郭燮贤
物理化学学报, (1995)
- 16 用XPS和H₂化学吸附研究钝化Mo₂N的还原作用
李新生, 盛世善, 陈恒荣, 纪纯新, 张耀军, 辛勤
物理化学学报, (1995)680-
- 17 CO/CO*在金属Pd和Rh表面上的气相-表面交换-I. CO在金属表面上化学吸附的动态性质
郭燮贤, 辛梅, 翟润生, 张林虎, 曹玉明
自然科学进展 第5卷, 第4期, (1995)
- 18 CO/CO*在金属Pd和Rh表面上的气相-表面交换-II. 易位化学吸附模型及强弱吸附态的动力学差别
郭燮贤, 辛梅, 刘宪春, 翟润生
自然科学进展 第5卷, 第5期, (1995)
- 19 Methane adsorption at low temperature over HZSM-5 zeolite and Mo/HZSM-5
Chen Laiyuan, Lin Liwu, Xin Qin, Xu Zhusheng, Zhang Tao, Ying Pinliang, Li Guoqiang, Li Can
催化学报, 16(1995)5-6
- 20 Investigation on the interaction of methane with MgO surface by FT-IR spectroscopy
Chen Laiyuan, Lin Liwu, Xin Qin, Xu Zhusheng, Zhang Tao, Ying Pinliang, Li Can
催化学报, 16(1995)167-168
- 21 Study on synthesis of Mo₂N and W₂N by TPN
Wang Xin-ping, Wei Zhao-bin, Ren Tie-li and Xin qin
催化学报, 16(1995)345-346
- 22 CO和 NO 在Rh₂-V/SiO₂催化剂上共吸附的红外光谱
李峻, 李新生, 周建略, 辛勤, 张慧, 陈耀强, 陈豫
物理化学学报, (1995)
- 23 红外光谱研究Pt-Re/Al₂O₃重整催化剂的表面结构
胡勇仁, 张兰新, 辛勤, 高兴涛, 应品良
物理化学学报, (1995)
- 24 炭担载的Mo和CoMo加H₂脱硫催化剂
魏昭彬, 辛勤, 盛世善, 陈恒荣
催化学报, 16(1995)-364

- 25 *Mo(W)-Co(Ni, Fe)簇合物的加氢脱硫催化活性*
牛淑云, 张致贵, 徐吉庆, 张恒彬, 辛勤, 魏昭彬
- 26 W_2N/C 催化剂加氢脱氮的研究
石雷, 王新平, 张耀军, 辛勤
高等学校化学学报, 16(1995)1449-1452
- 27 模板剂对SAPO-34分子筛性能的影响
何长青, 刘中民, 杨立新, 蔡光宇, 辛勤, 应品良
- 28 在催化研究中的原位分子光谱方法及其进展
辛勤, 高兴涛
自然科学进展, 第5卷, 第1期, (1995)
- 29 甲烷在分子筛上的吸附研究
李灿, 李国强, 刘中民, 辛勤
自然科学进展, 第4卷, 第5期, (1995)
- 30 甲烷在 MnO_2/SiO_2 催化剂表面吸附的原位FT-IR研究
吴金刚, 李树本, 李国强, 李灿, 辛勤
分子催化, 9(1995)64-
- 31 催化新材料 $\gamma-Mo_2N$ 的合成
张耀军, 魏昭彬, 李新生, 辛勤
化学通报, 第12期(1995)
- 32 A new technique of electroless plating for the preparation of Pd/ceramic composite membrane
Anwu Li, Guoxing Xiong, Jinghua Gu and Lubin Zheng
催化学报, 16(1995)351-352
- 33 复合氧化物 $LaMn_{1-x}Fe_xO_3$ (x=0-1)的XPS研究
杨向光, 刘社田, 叶兴凯, 吴越, 盛世善, 熊国兴
物理化学学报, (1995)687
- 34 La_2O_3 对Ni/ $\gamma-Al_2O_3$ 甲烷化催化剂的助催化作用
刘新华, 苗茵, 李晓丽, 盛世善
物理化学学报, (1995)750
- 35 醇合成用改良铜钴催化体系的表征
储伟, 熊国兴, 盛世善, 郭燮贤
燃料化学学报, 23 (1995) 21-26
- 36 天然气和二氧化碳转化制合成气的研究

II, 催化剂失活与再生

范业梅, 徐恒泳, 史克英, 商永臣, 徐国林, 陈恒荣, 熊国兴, 周佩珩, 郭伟松, 黄仁才
天然气化工, 20(1995)6

- 37 负载稀土复合氧化物燃烧催化剂的失活研究
沈岳年, 胡瑞生, 宋瑞琦, 孙秀丽盛世善, 陈恒荣
环境化学, 第14卷, 第2期, (1995)
- 38 催化膜与超细催化剂的制备
熊国兴, 赵宏宾, 谷景华, 盛世善
《功能材料》增刊, (1995)494
- 39 金属陶瓷复合膜的制备
李安武, 熊国兴, 谷景华, 郑禄彬
《功能材料》增刊, (1995)504
- 40 铅氧化物修饰的 $\gamma\text{-Al}_2\text{O}_3$ 膜在甲烷氧化偶联反应中的应用
谷景华, 熊国兴, 李安武
《功能材料》增刊, (1995)
- 41 Dynamics of glutathione in apurous solution
Han Xiuwen, Qu Ming, Miao Xijia, Liu Xiumei, Hu Jiehan
CHINESE SCIENCE BULLETIN, 40(1995)1090-1095