

1992年在国内外发表的论文

一、 在外文杂志上发表的论文

- 01 Kinetic study of gas-surface molecular exchange between CO/CO* on metals
Guo, Xiexian; Song, Zhen; Zhang, Linhu; Xiang, Ning; Zhai, Runsheng
Catalysis Letters 12(1992) 7-16
- 02 Ship-in-bottle synthesis of Pt₉-Pt₁₅ carbonyl clusters inside NaY and NaX Zeolites, in-situ FTIR and EXAFS characterization and the catalytic behaviors in ¹³C exchange reaction and NO reduction by CO
Li, Guanglin; Fujimoto, Toshiyuki; Fukuoka, Atsushi; Ichikawa, Masaru
Catalysis Letters 12(1992) 171-186
- 03 Mechanism of sulfur poisoning on supported noble metal catalyst—the adsorption and transformation of sulfur on palladium catalysts with different supports
Xiao, Tiancun; An, Lidun; Zhang, Weimin; Sheng, Shishan; Xiong, Guoxing
Catalysis Letters 12(1992) 287-296
- 04 Surface oxygen species and their reactivities in the mild oxidation of ethylene on cerium oxide studied by FT-IR spectroscopy
Li, Can; Xin, Qin; Guo, Xiexian
Catalysis Letters 12(1992) 297-306
- 05 Cation substitution on perovskite-type oxides for the oxidative coupling of methane
Xu, Yide; Liu, Haiyang; Huang, Jiasheng; Lin, Zhiyin; Guo, Xiexian
Journal of Natural Gas Chemistry No.1, 1992
- 06 The promoter action of lanthana on methanol decomposition on Pd-La₂O₃/SiO₂ catalysts and the interaction between coadsorbed species studied by TPD.
Xu, Yide; Zhu, Keming; Huang, Jiasheng; Lin, Zhiyin; Guo, Xiexian
Journal of Natural Gas Chemistry No.2, 1992
- 07 Dispersion effects of cluster-derived Rh on SiO₂ on ethylene hydroformylation
Huang, Lin; Guo, Wengui; Liu, Anming; Li, Daming; Xu, Yide
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- 08 Synthesis of ethylene via oxidative coupling of methane on NaCl/B₂O₃/Fe₂O₃ catalysts
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- 09 Chlorine on Ag(111): the intermediate coverage case
Wu, Kai; Wang, Dezheng; Deng, Junzhuo; Wei, Xuming; Cao, Yuming; Zei, Maosheng; Zhai, Runsheng; Guo, Xiexian
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- 10 Activation of CO by surface carbide on Fe(110)
Deng, Junzhuo; Wang, Hongli
Catalysis Letters 14(1992)65-74
- 11 The selective synthesis of but-2-ene from ethanol over alumino-borate B-C₁ catalyst
Xu, Boqing; Cai, Tianxi; Yu, Jihong; Xiao, Fengshou; Xu, Ruren; Huang, Jiasheng; Xu, Yide
J. CHEM. SOC., CHEM. COMMUN., 1992
- 12 Structure and performance of La₂O₃ Promoted alkaline earth oxide catalysts for the oxidative coupling of methane
Xia, Xinrui; Cui, Wei; Xiong, Guoxing; Guo, Xiexian
Catalysis Today, 13(1992) 617-620
- 13 Synergistic effect between NaCl and B₂O₃ in the NaCl/B₂O₃/Fe₂O₃ catalysts for the oxidative coupling of methane
Xia, Xinrui; Xin, Qin; Xiong, Guoxing
Catalysis Today, 13(1992) 621-624
- 14 Investigation of the sulfidation of Mo/TiO₂-Al₂O₃ catalysts by TPS and LRS
Wei, Zhaobin; Xin, Qin; Xiong, Guoxing
Catalysis Letters 15(1992)255-267
- 15 Inhibition of formation and removal of adsorbed species, in the isobutene-methacrolein SnO₂-Sb₂O₄ system
Li, Can; Xin, Qin; Ruiz, P.; Guo, Xiexian; Delmon, B.
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- 16 Reversible hydrogen adsorption on MoS₂ studied by temperature-programmed desorption and temperature-programmed reduction
Li, Xinsheng; Xin, Qin; Guo, Xiexian; Grange, P.; Delmon, B.
Journal of Catalysis 137,385-393(1992)
- 17 Direct observation of chemisorbed methane on cerium(IV) oxide by FTIR spectroscopy
Li, Can; Xin, Qin
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- 18 IR evidence for the formation of tilted CO on alumina-supported nickel catalyst
Ma, Bing; Li, Can; Liu, Shufen; Lu, Yongan
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- 19 FT-IR spectroscopic investigation of methane adsorption on cerium oxide
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The Journal of Physical Chemistry, 1992, Vol.96, No.19
- 20 The non-linear kinetics of gas-surface exchange between CO/CO* on Re(0001)

- 21 A new approach for determining the strength of electron acceptor sites of solid acids
Chen, Fangren; Sheng, Shishan; Zhang, Weimin; Guo, Xiexian
J. CHEM. SOC. FARADAY TRANS., 1992,88(6), 887-890
- 22 Additive effect on the performance of PbO/Al₂O₃ catalyst for the oxidative coupling of methane
Xu, Yide; Liu, Wenming; Huang, Jiasheng; Lin, Zhiyin
Chemical Industries Series, 1992, 46: 85-105
- 23 The effect of halides on the structure of copper underpotential-deposited onto Pt(111): a low-energy electron diffraction and X-Ray photoelectron spectroscopy study
Michaelis, R.; Zei, Maosheng; Zhai, Runsheng
J. Electroanal. Chem., 339(1992)299-310
- 24 Catalytic performance in hydrodesulfurization of thiophene and IR investigation of CO and NO adsorption over Co-Mo/ Al₂O₃ and RuCo-Mo/ Al₂O₃ catalysts
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- 25 Quantum chemical study of hydrodesulfurization catalysts part II. DV-X α calculation on clusters of Co₉S₈ and RuS₂
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- 26 XPS study on the role of CO₂ in low-pressure methanol synthesis
Xiong, Guoxing; Sheng, Shishan; Xu, Yide; Chen, Baoshu; Zhao Jiusheng
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- 27 Preparation and characterization of hydroxysilicoaluminum pillared clays
Zhao, Dongyuan; Yang, Yashu; Guo, Xiexian
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- 28 Synthesis of C₁-C₅ alcohols on modified Co-Cu-Y based catalysts
Chu, Wei; Roger, K.; Alain, K.
React. Kinet. Catal. Lett., Vol. 48, No.2, 627-633(1992)
- 29 [Pt₃(CO)₆]_n²⁻/NaY(n=3,4) synthesized by ship-in-bottle technique and their reactivities in CO + NO reaction and water gas shift reaction
Li, Guangjin; Wang, Rijie; Shido, Takafumi; Fujinmoto, Toshiyuki; Ichikawa, Masaru
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二、 在国内学报级杂志上发表的论文

- 01 (PdCl₂-PVP)/Al₂O₃ 催化剂中Pd状态的探讨
刘菁, 徐筠, 廖世健, 李灿, 辛勤
J. Mol.Catal. 1992, 6(1): 32-37
- 02 负载型钨催化剂的硫中毒机理-硫对催化剂上CO吸附性质的影响
肖天存, 安立敦, 李灿, 辛勤
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- 03 CuO/ZnO/ZrO₂ 催化剂上CO₂加氢反应机理的研究
毛利群, 徐征, 千载虎, 黄家生, 林治银, 徐奕德
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- 04 傅立叶变换红外发射光谱法研究金属氧化物催化剂 I. 实验建立及氧化钨的还原-氧化研究
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- 05 稀土氧化钪上甲烷氧化偶联反应的FT-IR研究
蒋宗轩, 李灿, 辛勤
J. Fuel Chem. & Techn. 1992, 20(1): 26-31
- 06 利用CO和NO吸附的红外光谱表征还原态的Ru-Co-Mo/Al₂O₃ 催化剂
肖丰收, 应品良, 辛勤, 郭燮贤
J. Fuel Chem. & Techn. 1992, 20(2):113-117
- 07 不同温度预处理Pt/Al₂O₃ 催化剂对其表面结构和反应性能的影响
阮振奎, 高全乐
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- 08 Ru-Co-Mo/Al₂O₃ 催化剂的加氢脱硫性能
魏昭彬, 侯震山, 李新生, 辛勤
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- 09 MoO₃/TiO₂- Al₂O₃ 催化剂表面结构的LRS研究
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- 10 Co-Mo/Al₂O₃和Ru-Co-Mo/Al₂O₃ 催化剂的不同表面钴中心表征
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- 11 H(Mg, Co)AlPO₄-5杂原子分子筛的酸性质测定
肖丰收, 徐如人, 辛勤
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- 12 高层间距的羟基硅铝交联蒙托土的合成与表征
赵东源, 王国甲, 杨亚书, 郭燮贤
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- 13 含过渡金属离子的交联蒙托土交联柱中Keggin结构的作用
赵东源, 杨亚书, 郭燮贤
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- 14 添加剂对PbO/ γ -Al₂O₃催化剂上甲烷氧化偶联的影响
徐奕德, 刘文明, 黄家生, 林治银
J. Catal. 1992, 13(5): 345-350
- 15 CO₂加氢低压合成甲醇催化剂CuO/ZnO/ZrO₂的光电子能谱研究
徐征, 毛利群, 千载虎, 盛世善, 熊国兴
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- 16 Rh-Y分子筛上乙烯氢甲酰化反应的研究
刘安明, 黄林, 徐奕德, 辛勤, 郭燮贤
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- 17 添假第二组分金属氧化物对MoO₃/Al₂O₃上MoO₃还原行为影响的XPS研究
熊国兴, 张为民, 陈恒荣, 姚丽君, 盛世善
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- 18 F-T合成Fe-Mn超细粒子催化剂的表面结构
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J. Mol. Catal. 1992, 6(6): 419-426
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李新生, 张慧, 辛勤, 郭燮贤
J. Mol. Catal. 1992, 6(4): 241-247
- 20 三钌乙烯酮原子簇合物[PPN]₂[Ru₃(CO)₉(CCO)]在SiO₂上的负载及其催化性能的研究
肖丰收, 郭燮贤, 福冈淳, 市川胜
J. Catal. 1992, 13(3): 174-180
- 21 SiO₂-Al₂O₃承载的三钌乙烯酮原子簇合物[PPN]₂[Ru₃(CO)₉(CCO)]上的红外研究
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- 23 CeO₂及Pt/CeO₂催化剂上H₂, O₂的作用特性
陈燕馨, 李灿, 李文钊, 陈怡萱
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- 24 LaNiO₃的导电性及其CO甲烷化催化活性
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- 25 新型铂-L型重整催化剂的特征
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- 28 利用程序升温还原方法研究钴、钌、钼加氢脱硫催化剂氧化态的还原过程
李新生, 辛勤, 郭燮贤
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- 29 交换反应对CO在金属表面的吸附和脱附动力学的影响
吕日昌, 宋真, 翟润生
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