

1989年在国内外发表的论文

01 H-Spillover on Co-Mo/ Al₂O₃ hydrodesulfurization catalyst

XIN Qin, WEI Zhaobin, GUO Xiexian, P. GRANGE and B. DELMON

Proceedings of Second International Conference on Spillover, pp.196-203, DDR, 1989

02 Oxygen spillover from Sb₂O₄ onto MoO₃

B. ZHOU and B. DELMON

Proceedings of Second International Conference on Spillover, pp.87-95, DDR, 1989

03 The influence of H-Spillover on the properties of Ru-Cu/SiO₂ catalysts

Y. LI, P. YING, Q. XIN and X. GUO

Proceedings of Second International Conference on Spillover, pp.28-36, DDR, 1989

04 Effect of electronic interaction between metal and support : how the nature of Re/ Al₂O₃ is modified

LI Yongxue, WU Shuguang and XIN Qin

React. Kinet. Catal, Lett., Vol.38, No.1, 63-72(1989)

05 Effect of electronic interaction between metal and support II. TPD, TPR and chemisorption studies on Ru/ Al₂O₃ -MgO catalysts

LI Yongxue, WU Shuguang, YING Pinliang and XIN Qin

React. Kinet. Catal, Lett., Vol.40, No.1, 53-58(1989)

06 Effects of CO coverage, surface carbon and hydrogen on CO adsorption over supported Rh/Al₂O₃ catalysts derived from Rh₄(CO)₁₂ and Rh₂(CO)₄C₁₂

CHEN Yaoqiang, CHANG Yanli, CHEN Yu, XIN Qin, YING Pinliang

Proceedings of the 4th Japan-China-U.S.A., Symposium on Catalysis, pp.16-19, Sapporo, Japan, 1989

07 Adsorption of carbon monoxide and carbon dioxide on cerium oxide studied by fourier-transform infrared spectroscopy: part 2. formation of formate species on partially reduced CeO₂ at room temperature

LI Can, Yoshihisa Sakata, Toru Arai, Kazunari Domen, Ken-ichi Maruya and Takaharu Onishi

J. Chem. Soc., Faraday Trans. 1, 1989,85(6), 451-1461

08 Dioxygen adsorption on well-outgassed and partially reduced cerium oxide studied by FT-IR

LI Can, Kazunari Domen, Ken-ichi Maruya and Takaharu Onishi

The Journal of the American Chemical Society, 1989,111, 7683.

09 Carbon monoxide and carbon dioxide adsorption on cerium oxide studied by fourier-transform infrared spectroscopy: part 1. formation of carbonate species on dehydroxylated CeO₂ at room temperature

LI Can, Yoshihisa Sakata, Toru Arai, Kazunari Domen, Ken-ichi Maruya and Takaharu Onishi

- 10 A new method to measure the adsorbate coverage: Time-Developed ion scattering spectroscopy (tdiss)
LI Yongxue, ZHAI Runsheng and GUO Xiexian
CHINESE PHYS.LETT. Vol.6, No.8(1989)381
- 11 The kinetics of desorption in the presence of a gas phase of the desorbing molecule: CO/Re(001)
ZHOU Min, WANG Dezheng, LIU Xianchun, XIANG Ning, GUO Xiexian and ZHAI Runsheng
Catalysis Letters 3(1989) 37-48
- 12 Adsorption-Assisted desorption and cross desorption of CO and H₂ on nickel polycrystalline surfaces

Taro YAMADA, ZHAI Runsheng, Yashuiro IWASAWA and Kenzi TAMARU
Bull. Chem. Soc. Jpn., 62, 2387-2389(1989)
- 13 HREELS characterization of the room temperature phase of propene adsorbed on ruthenium(001)
WANG Dezheng, LI Yongxue, LIU Haiyang, ZHAI Runsheng and GUO Xiexian
Catalysis Letters 2(1989)9-18
- 14 The characterization of modified ZSM-5 catalysts prepared via a solid state reaction for propane aromatization
YANG Yashu, GUO Xiexian, DENG Maicun, WANG Limin and FU Zaihui
Zeolites as Catalysts, Sorbents and Detergent Builders, 1989 Elsevier Science Publishers B. V.
- 15 The formation of toluene disproportionation intermediates on zeolite catalysts
CHEN Fangren, G. Coudurier and C. Naccache
Zeolites: Facts, Figures, Future, 1989 Elsevier Science Publishers B. V.
- 16 Synthesis of thermal stable Ni-Al pillared clays
ZHAO Dongyuan, CHEN Fangren, YANG Yashu and GUO Xiexian
Proceedings of the 4th Japan-China-U.S.A., Symposium on Catalysis, pp.48-50, Sapporo, Japan, 1989
- 17 HREELS study of propene on ruthenium(001)
WANG Dezheng, LI Yongxue, CAO Yuming, ZHAI Runsheng and GUO Xiexian
Proceedings of the 4th Japan-China-U.S.A., Symposium on Catalysis, pp.148-151, Sapporo, Japan, 1989
- 18 Characterization and ¹³C-Isotopic exchange reactivity of Rh monometallic and cluster-type carbonyls in NaY zeolite
RAO Lingfen, GUO Xiexian, Tara ITO, Atsushi FUKUOKA and Masaru ICHIKAWA
Proceedings of the 4th Japan-China-U.S.A., Symposium on Catalysis, pp.260-261, Sapporo, Japan, 1989
- 19 The effect of an electronic interaction in Pt-Ti/ Al₂O₃ catalysis on hydrocarbon conversion

RUAN Zhenkui, PEI Ziyun, SHI Yingzhen and GUO Xiexian
Proceedings of the 4th Japan-China-U.S.A., Symposium on Catalysis, pp.280-281, Sapporo, Japan, 1989
- 20 S-Resistant character of TiO₂-Supported Pt catalyst

CHEN Yanxin, CHEN Yixuan, LI Wenzhao and SHENG Shishan
Proceedings of the 4th Japan-China-U.S.A., Symposium on Catalysis, pp.306-307, Sapporo, Japan, 1989
- 21 Formation of a hybrid surface of carbide and graphite layers on Ni(100) but no hybrid surface on Ni(111)

- 22 XPS study on the role of CO₂ in low-pressure methanol synthesis
CHEN Baoshu, ZHAO Jiusheng, ZHANG Liu, XIONG Guoxiang and SHENG Shishan
J. Mol.Catal. China, 3(4)253-261,1989
- 23 Exafs and IR characterization of Rh₆ particles derived from NaY-Zeolite entrapped Rh₆(CO)₁₆
RAO Lingfen, GUO Xiexian, Fukuoka Atsushi and Ichikawa Masaru
J.Catal. China, 10(2)143-150,1989
- 24 Study on reduction behaviours of molybdena on MoO₃/Al₂O₃, MoO₃/TiO₂ and NiO-MoO₃/TiO₂ systems by XPS
XIONG Guoxing, TAN Changqing, WANG Hongli
Acta Physico-Chimica Sinica, 5(3), 370-376(1989)
- 25 Temperature programmed desorption and decomposition of 13CH₃OH on Pd-La₂O₃/SiO₂ catalysts and the effect of coadspecies
interaction
ZHU Keming, XU Yide, HUANG Jiasheng, LIN Zhiyin and GUO Xiexian
J.Catal. China, 10(3)229-236,1989
- 26 Investigation of desorption kinetics of carbon monoxide on polycrystalline palladium surface
ZHAI Runsheng, XIANG Ning, LIU Xianchun and GUO Xiexian
J. Mol.Catal. China, 3(3), 190-196(1989)
- 27 The application of time-developed ion scattering spectroscopy on the measurement of gas coverages on samples in UHV
LI Yongxue, ZHAI Runsheng and GUO Xiexian
J. Mol.Catal. China, 3(4), 269-275(1989)