

JOURNAL OF NATURAL GAS CHEMISTRY

CONTENTS OF VOLUME 14

Articles

- Influence of Pretreatment on the Interaction of Oxygen with Silver and the Catalytic Activity of Ag/SiO₂
 Catalysts for CO Selective Oxidation in H₂ Zhenping Qu, Mojie Cheng, Chuan Shi, Xinhe Bao (4)
- Kinetic Modeling of Plasma Methane Conversion Using Gliding Arc
 Antonius Indarto, Jae-Wook Choi, Hwaung Lee, Hyung Keun Song (13)
- Intrinsic Kinetics of Dimethyl Ether Synthesis from Syngas
 Zhaoguang Nie, Hongwei Liu, Dianhua Liu, Weiyong Ying, Dingye Fang (22)
- CO Selective Oxidation in Hydrogen-Rich Gas over Copper-Series Catalysts
 Hanbo Zou, Xinfu Dong, Weiming Lin (29)
- Synthesis and Characterization of Self-Assembled V₂O₅ Mesostructures Intercalated by Polyaniline
 Li Li, Zifeng Yan (35)
- Study on the Synthesis of Phenylacetic Acid by Carbonylation of Benzyl Chloride under Normal Pressure
 Zumin Qiu, Yunbing He, Dianmo Zheng, Fufang Liu (40)
- Synthesis of Dimethyl Ether from CO Hydrogenation: a Thermodynamic Analysis of the Influence of Water
 Gas Shift Reaction Guangxin Jia, Yisheng Tan, Yizhuo Han (47)
- Selective Oxidation of Isobutane over NH₄-CsFePVMoAs Heteropolycompound Catalysts
 Tiejun Cai, Zhengjun Fang, Qian Deng, Zhenshan Peng (54)
- On the Role of Vanadia Species for VO_x/SiO₂ in the Selective Oxidation of Methane
 Shaojun Miao, Ding Ma, Qingjun Zhu, Heng Zheng, Guoqing Jia, Shutian Zhou, Xinhe Bao (77)
- Selective Oxidation of Propane by Lattice Oxygen of Vanadium-Phosphorous Oxide in a Pulse Reactor
 Rusong Zhao, Jian Wang, Qun Dong, Jianhong Liu (88)
- Synthesis and Characterization of ZSM-5/ β Co-Crystalline Zeolite
 Tianbo Zhao, Huiying Zhang, Fengyan Li, Chao Yang, Baoning Zong (95)
- Methane Decomposition into Carbon Fibers over Coprecipitated Nickel-Based Catalysts
 Yan Ju, Fengyi Li, Renzhong Wei (101)
- Influence of Aging Time on the Properties of Precursors of CuO/ZnO Catalysts for Methanol Synthesis
 Deren Fang, Zhongmin Liu, Shuanghe Meng, Ligang Wang, Lei Xu, Hua Wang (107)
- A Novel Cu-Mo/ZSM-5 Catalyst for NO_x Catalytic Reduction with Ammonia
 Zhe Li, Dang Li, Wei Huang, Kechang Xie (115)
- Theoretical Study of Ethanethiol Adsorption on HZSM-5 Zeolite
 Renqing Lü, Guangmin Qiu, Chenguang Liu (119)
- Hydrogen Effect on Coke Removal and Catalytic Performance in Pre-Carburization and Methane Dehydro-
 Aromatization Reaction on Mo/HZSM-5 ... Hongtao Ma, Ryoichi Kojima, Satoshi Kikuchi, Masaru Ichikawa (129)
- Co-Generation of C₂ Hydrocarbons and Synthesis Gases from Methane and Carbon Dioxide:
 a Thermodynamic Analysis Istadi, Nor Aishah Saidina Amin (140)
- A Study on the Effects of Carrier Gases on the Structure and Morphology of Carbon Nanotubes Prepared by
 Pyrolysis of Ferrocene and C₂H₂ Mixture
 Wanliang Mi, Jerry Yuesheng Lin, Qian Mao, Yongdan Li, Baoquan Zhang (151)

Al ₂ O ₃ Effect on the Catalytic Activity of Cu-ZnO-Al ₂ O ₃ -SiO ₂ Catalysts for Dimethyl Ether Synthesis from CO ₂ Hydrogenation	Jiyuan Wang, Chongyu Zeng (156)
Study of Carbon Nanotube Supported Co-Mo Selective Hydrodesulphurization Catalysts for Fluid Catalytic Cracking Gasoline	Wenkui Yin, Mei Li, Hongyan Shang, Chenguang Liu, Fei Wei (163)
Preparation and Characterization of Nanotitanium Dioxide Coating Film Doped with Fe ³⁺ Ions on Porous Ceramic	Kejing Xu (168)
Preparation of Carbon Nanotubes from Methane on Ni/Cu/Al Catalyst	Renzhong Wei, Fengyi Li, Yan Ju (173)
Selective Oxidation of <i>n</i> -Butane over VPO Catalyst Modified by Different Additives	Hong Liang, Daiqi Ye (177)
Influence of Successive Washing on Porous Structure of Pseudoboehmite	Yuefeng Yan, Jianping Zhi, Gaoyong Zhang (181)
Purification Influence of Synthesis Gas Derived from Methanol Cracking on the Performance of Cobalt Catalyst in Fischer-Tropsch Synthesis	Wei Zhou, Shengying Liu, Yulan Wang, Kegong Fang, Jiangan Chen, Yuhan Sun (193)
Titanium-Promoted Rh-Mn-Li/SiO ₂ for C ₂ -Oxygenates Synthesis from Syngas: Effect of Low Titanium Loading	Weimiao Chen, Yunjie Ding, Dahao Jiang, Zhendong Pan, Hongyuan Luo (199)
Cr-MCM-41 Molecular Sieves Crystallized at Room Temperature for Reaction of Ethane with CO ₂	Yanan Li, Xin He, Shujie Wu, Ke Zhang, Guangdong Zhou, Jie Liu, Kaiji Zhen, Tonghao Wu, Tiexin Cheng (207)
Effects of Calcination Temperature on the Acidity and Catalytic Performances of HZSM-5 Zeolite Catalysts for the Catalytic Cracking of <i>n</i> -Butane	Jiangyin Lu, Zhen Zhao, Chunming Xu, Aijun Duan, Pu Zhang (213)
Influence of Sulfation on the Catalytic Activity of Ni-ZrO ₂ for NO Reduction with Propane in Excess Oxygen	Shujuan Zhang, Landong Li, Fuxiang Zhang, Naijia Guan (221)
Study of a Ru-La/ZrO ₂ Catalyst Prepared by Precipitation Method for Selective Hydrogenation of Benzene to Cyclohexene	Shouchang Liu, Yongmei Wu, Zheng Wang, Shuhui Zhao, Zhenxue Huang, Yanli Liu (226)
Effect of Reduction Temperature on Hydrofining Performance of Supported Molybdenum Phosphide Catalyst	Fengyan Li, Zhifang Zhao, Qingjie Li, Tianbo Zhao, Cuiqing Li, Guida Sun (233)
Guest-Host Interaction Study in Clathrate Hydrates Using Lattice Dynamics Simulation	Maofeng Jing, Shunle Dong (238)
Prediction Model Based on the Grey Theory for Tackling Wax Deposition in Oil Pipelines	Ming Wu, Shujuan Qiu, Jianfeng Liu, Ling Zhao (243)

Reviews

Advances in Synthesis of Mesostructured Aluminophosphates	Benjing Xu, Chenxi Zhao, Zifeng Yan (65)
---	--

Research notes

Thermodynamic and Equilibrium Composition Analysis of Using Iron Oxide as an Oxygen Carrier in Nonflame Combustion Technology	Jiayu Xin, Hua Wang, Fang He, Zhimin Zhang (248)
---	--

Communications

Plasma Treatment of Ni Catalyst for Partial Oxidation of Methane	Yanru Zhu, Zhenhua Li, Yuhong Zhou, Haitao Wang (1)
--	---