

PROGRAM

Poster Session

Sunday, April 22 19:30-22:00

- P1. *Ryo Ichihashi and Ichiro Yamanaka, Tokyo Institute of Technology*
Hydrogen Peroxide Synthesis over Co Electrocatalyst by H₂/O₂ Fuel Cell Method
- P2. *J. Kawahara, N. Hamakawa, J. Huang, S. Tsubota, M. Haruta, Tokyo Metropolitan University*
Effect of physical mixing of solid components on the epoxidation of propylene over gold catalysts
- P3. *K. Kodato, T. Kuranishi, N. Watanabe, M. Sadakane, W. Ueda, Hokkaido Univ.*
Microporous structure analysis of crystalline Mo₃VO_x oxide catalysts
- P4. *Y. Masutani, S. Yamazoe, T. Shishido, T. Tanaka, Kyoto University*
Photoassisted catalytic selective reduction of NO with ammonia over metal-oxide promoted TiO₂
- P5. *Hiromitsu Matsuda and Ichiro Yamanaka, Tokyo Institute of Technology*
Direct Synthesis of Phenol by PtO_x/TiO_x/H-ZSM-5
- P6. *Ippei Okuda, Takashi Takei, Kyoko Bando*, Masatake Haruta, Tokyo Metropolitan University and JST*
Composite Hydroxides of Gold and Lanthanum for CO Oxidation at 193K
- P7. *K. Wang¹, W. S. Li¹, X. P. Zhou^{1, 2*}, Hunan University*
Hydrogen Generation by Decomposition of Hydrocarbons and Methanol over Molten Magnesium or Zinc
- P8. *Qiang Yuan, Weiping Deng, Qinghong Zhang, Ye Wang*, Xiamen University*
Homogeneous Oxidations of Methane and Ethane with Hydrogen Peroxide Catalyzed by Osmium Compounds
- P9. *Yinchuan Lou, Qinghong Zhang, Huichun Wang, Ye Wang*, Xiamen University*
Characterizations of MoO_x/SBA-15 and Its Catalytic Properties in Selective Oxidation of Ethane
- P10. *Jing Chen, Ye Wang, Qinghong Zhang*, Huilin Wan, Xiamen University*
Solvent-free oxidation of benzyl alcohol over Pd/Al₂O₃-SiO₂ catalysts: the support effect
- P11. *Feng Li, Qinghong Zhang, and Ye Wang*, Xiamen University*
Size-dependence for palladium nanoparticles-catalyzed solvent-free aerobic oxidation of alcohols
- P12. *Yang Li, Dongli An, Qinghong Zhang, Ye Wang*, Xiamen University*
Selective oxidation of methane to formaldehyde over iron- and copper-based catalysts

- P13. Miao Sun, Chuanjing Cao, Jizhe Zhang, Ye Wang, Qinghong Zhang*, Huilin Wan, Xiamen University
Oxidative dehydrogenation of propane over polyoxometalate catalysts
- P14. Sufen Yang, Qinghong Zhang, Ye Wang*, Xiamen University
Superior catalytic performances of boron-modified chlorine-free $K^+-FeO_x/SBA-15$ for propylene epoxidation by nitrous oxide
- P15. Wenming Zhu, Qinghong Zhang, Ye Wang*, Xiamen University
Propylene epoxidation by molecular oxygen over K^+ -promoted CuO_x-SiO_2 catalysts prepared by sol-gel method
- P16. Jianmei Li, Feiyang Huang, Weizheng Weng*, Chunrong Luo, Haiqiang Lin, Chuanjing Huang, Huilin Wan*, Xiamen University
Effect of metal-support interaction on the performance of Rh/Al_2O_3 for methane partial oxidation to synthesis gas
- P17. Xiaolian Jing, Weizheng Weng*, Huilin Wan*, Xiamen University
Laser-induced Transition of Rhombohedral SmOF
- P18. X. X. Zhang, J. P. Guo, X. D. Yi, C. J. Huang, W. Z. Weng*, H. L. Wan*, Xiamen University
The selective oxidation of propane to acrolein over $MoVTenbO/SiO_2$ catalysts via sol-gel method
- P19. Mingxia Zhu, Xin Wei, Bodong Li, Youzhu Yuan*, Xiamen University
Copper-triethanoamine complexes as efficient and active catalysts for selective oxidation of alkylarenes to phenyl ketones by *tert*-butylhydroperoxide
- P20. Xin Wei, Linmin Ye, Mingxia Zhu, Bodong Li, Youzhu Yuan*, Xiamen University
Partial oxidation of methane to methanol in oleum using Pd/C catalysts
- P21. C. J. Huang, F. Ying, J. H. Li, W. Z. Weng, H. L. Wan*, Xiamen University
Studies on $MoO_x/SBA-15$ catalysts for selective oxidation of propane into acrolein
- P22. Zhimin Fang*, Zhijun Huang, Xiaoling Liu, Huilin Wan, Khirui Tsai, Xiamen University
Effects of preparative methods on performance of $VMgO$ catalysts for oxidative dehydrogenation of propane
- P23. G. H. Hou, G. Fu, X. Xu*, H. L. Wan*, Xiamen University
Mechanisms for photo-PROX reaction over Cr^{6+} -MCM-41: A DFT Study
- P24. R. M. Yuan, G. Fu, X. Xu*, H. L. Wan*, Xiamen University
Selective catalytic reduction (SCR) of NO_x by NH_3 over V_2O_5 catalyst: A DFT study
- P25. N. X. Lu, G. Fu, X. Xu*, H. L. Wan*, Xiamen University
Mechanisms for O_2 Dissociation over BaO Surfaces

- P26. W. Xia*, H. L. Wan*, Xiamen University
A Thinking upon the Correlation of Reaction Selectivity with the Physico-Chemistry Properties of Catalysts
- P27. Yixin Lian, Huifang Wang, Yinong Li, Weiping Fang, Yiquan Yang*, Xiamen University
The effect of the magnesium-to-alumina ratio of the support on catalytic performance of Co-Mo-based catalyst for WGS reaction
- P28. H. F. Wang^a, Y. N. Li^b, Y. X. Lian^a, Q. Zhang^a, Z. F. Zhang^b, W. P. Fang^a, Y.Q. Yang^{a,*}, Xiamen University
Trial production and industrial application of a combined sulfur-tolerant shift catalyst of XH-2 type with XH-3 type
- P29. A. P. Chen^a, J. O. Barth^b, Q. Wang^a, Q. L. Li^a, Y. J. Hao^a, L. M. Yang^a, Y. Q. Yang^{a,*}, ^aXiamen University, China, ^bDegussa, Germany
Catalytic synthesis of methanethiol from high H₂S-containing syngas over SiO₂-supported Mo-based catalysts
- P30. Weiye Shen, Hui Zhang, Hualin Zhang, Jingxing Gao*, Xiamen University
Novel chiral tetraaza ligands: synthesis and application in asymmetric transfer hydrogenation of ketones
- P31. Yanyun Li, Xue-Qin Zhang, Zhenrong Dong, Weiye Shen, Gui Chen, Jingxing Gao*, Xiamen University
Enantioselective Oxidation of Racemic Secondary Alcohols Catalyzed by Chiral PNNP-Ir(III) Complexes
- P32. Zhenrong Dong, Yanyun Li, Jingxing Gao*, Xiamen University
Highly Efficient Iridium Catalyst for Asymmetric Transfer Hydrogenation of Aromatic Ketones Under Base-free Conditions
- P33. Guangnan Ou, Li Xu, Youzhu Yuan*, Xiamen University
Charges in charge of stability of dendrimer-encapsulated nanoparticle catalysts in ionic liquids
- P34. Jiarong She, Linmin Ye, Changxi Deng, Youzhu Yuan*, Xiamen University
Biphasic asymmetric catalysis via water-soluble chiral complexes in ionic liquids
- P35. Li Xu, Guangnan Ou, Youzhu Yuan*, Xiamen University
Controlling pH of catalytic reaction with ionic liquids
- P36. Binbin Zhang, Lefu Yang*, Junxiu Cai, Xiamen University
Preparation of calcium oxides from different precursors as heterogeneous catalysts applied for biodiesel transesterification reaction
- P37. Jing Lin, Bin-bin Zhang, Guo-yu Zhang, Le-fu Yang*, Jun-xiu Cai, Xiamen University
Transesterification on supported alkali metal solid-base catalyst for biodiesel synthesis

- P38. Ying Liang, Jun Li, Qing-Chi Xu, Xianzhu Fu, Dai-Wei Liao*, Xiamen University
Composite Carbon Supported PtRu Catalyst for methanol electrooxidation
- P39. Qingchi Xu, Jingdong Lin, Jun Li, Xianzhu Fu, Ying Liang, Daiwei Liao*, Xiamen University
Microwave-assisted synthesis of MgO-CNTs supported ruthenium catalysts for ammonia synthesis
- P40. Daohua Sun¹, Xin Yang^{1,2}, Huixuan Wang^{1,2}, Jiale Huang^{1,2}, Qingbiao Li^{1,2,*}, Xiamen University
Preparation of supported silver catalysts for ethylene epoxidation by microbial reduction
- P41. Min Zhou, Hua Kong, Chunhui Ma, Guodong Lin, Hongbin Zhang*, Xiamen University
Pt Catalyst supported on multi-walled carbon nanotubes for hydrogenation-dearomatization of toluene
- P42. Xiaoman Wu, Xuelian Liang, Yanyan Guo, Hui Li, Guodong Lin, Hongbin Zhang*, Xiamen University
Co-decorated MWCNTs as a promoter of Co-Mo-K catalyst for synthesis of higher alcohols from syngas