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1. J.Z. Luo, H.L. Wan, Oxidative dehydrogenation of ethane over $\text{LaF}_3\text{-CeO}_2$ catalysts, *Applied Catalysis A: General*, 158, 137-144 (1997).
2. J.Z. Luo, X.P. Zhou, Z.S. Chao, H.L. Wan, Oxidative dehydrogenation of ethane over BaF_2 promoted $\text{SmO}_3\text{-LaF}_3$ catalysts, *Applied Catalysis A: General*, 159, 9-19 (1997).
3. R.Q. Long, H.L. Wan, Oxidative coupling of methane over $\text{SrF}_2\text{/Y}_2\text{O}_3$ catalyst, *Applied Catalysis A: General*, 159, 45-58 (1997).
4. Ruiqiang Long, Jizhong Luo, Mingshu Chen, Huilin Wan, Oxidative coupling of methane over BaF_2 -promoted rare earth oxides with variable valence, *Applied Catalysis A: General*, 159, 171-185 (1997).
5. Jitao Li, Weide Zhang, Lizhen Gao, Pingying Gu, Kaiqing Sha, Huilin Wan, Methanol synthesis on Cu-Zn-Al and Cu-Zn-Al-Mn catalysts, *Applied Catalysis A: General*, 165, 411-417 (1997).
6. Jin-tian Wu, Yin Huang, Jian-zhang Zhou, Jin Luo, Zhong-hua Lin, Electrochemical behaviors of DNA at mercury film electrode, *Bioelectrochemistry and Bioenergetics*, 44, 151-154 (1997).
7. P. Chen, H.B. Zhang, G.D. Lin, Q. Hong and K.R. Tsai, Growth of carbon nanotubes by catalytic decomposition of CH_4 or CO on a Ni-MgO catalyst, *Carbon*, 35(10-11) 1495-1501 (1997).
8. J.Z. Luo and H.L. Wan, Study of ODE reaction over binary rare earth oxyfluoride $\text{Sm}_2\text{O}_3\text{-LaF}_3$ catalysts, *Chemistry Letters*, 119-120 (1997).
9. Q.J. Huang, J.L. Yao, B.W. Mao, R.A. Gu, Z.Q. Tian, Surface Raman spectroscopic studies of pyrazine adsorbed onto nickel electrodes, *Chemical Physics Letters*, 271, 101-106 (1997).
10. Y.X. Chen, Z.Q. Tian, Dependence of surface enhanced Raman scattering of water on the hydrogen evolution reaction, *Chemical Physics Letters*, 281 379-383 (1997).
11. Meng-sheng Liao and Qian-er Zhang, A theoretical study of complexes MH^{2-} and MCl^{2-} in crystalline A_2MH_x and A_2MCl_y compounds (A = alkali, alkaline earth; $\text{M} = \text{Ni, Pd, Pt}$; $x=2,4,6$; $y=4,6$), *Inorg. Chem*, 36, 396-405 (1997).
12. Rongbin Huang, Weijie Huang, Yuhuang Wang, Zichao Tang and Lansun Zheng, Preparation of decachlorocorannulene and other perchlorinated fragments of fullerenes by electrical discharge in liquid chloroform, *J. Am. Chem. Soc.*, 119, 5954-5955 (1997).
13. Youzhu Yuan, Anguelina P. Kozlova, Kiyotaka Asakura, Huilin Wan, hirui Tsai, and Yasuhiro Iwasawa, Supported Au catalysts prepared from Au phosphine complexes and as-precipitated metal hydroxides: characterization and low-temperature CO oxidation, *Journal of Catalysis*, 170, 191-199 (1997).
14. Ruiqiang Long and Huilin Wan, Comparison of praseodymium oxide and SrF_2 -promoted praseodymium oxide catalysts for oxidative coupling of methane, *Journal of Catalysis*, 172, 471-474 (1997).
15. Ruiqiang Long, and Huilin Wan, In situ confocal microprobe Raman spectroscopy study of $\text{CeO}_2\text{/BaF}_2$ catalyst for the oxidative coupling of methane, *J. Chem. Soc. Faraday Trans.*, 93(2), 355-358 (1997).
16. Zelin Li, Jiale Cai and Shaomin Zhou, New insight into the potential oscillations during iodate reduction in alkaline solution, *J. Chem. Soc. Faraday Trans.*, 93(19), 3519-3522 (1997).
17. Zi-chao Tang, Xiong-wei Cai, Bin Ren, Cai-hui Shi, Bing-wei Mao, Zhong-qun Tian, Rong-bin Huang and Lan-sun Zheng, Collapse of a mass-selected C_{60} ion beam collided on crystal surfaces, *J. Chem. Soc. Faraday Trans.*, 93(20), 3703-3707 (1997).
18. Guo-Qiang Lu, Shi-Gang Sun, Sheng-Pei Chen, Li-Rong Cai, Novel properties of dispersed Pt and Pd thin layers supported on GC for CO adsorption studied using in situ MS-FTIR reflection spectroscopy, *Journal of Electroanalytical Chemistry*, 421, 19-23 (1997).
19. Lintao Cai, Shibing Yao, Shao-Min Zhou, Effects of the magnetic field on the polyaniline film studied by in

- situ conductivity measurements and X-ray diffraction, *Journal of Electroanalytical Chemistry*, 421, 45-48 (1997).
- 20. S.Z. Zou, Y.X. Chen, B.W. Mao, B. Ren and Z.Q. Tian, SERS studies on electrode/electrolyte interfacial water I. Ion effects in the negative potential region, *Journal of Electroanalytical Chemistry*, 424, 19-24 (1997).
 - 21. Nanhai Li, Shigang Sun and Shengpei Chen, Studies on the role of oxidation states of the platinum surface in electrocatalytic oxidation of small primary alcohols, *Journal of Electroanalytical Chemistry*, 430, 57-67 (1997).
 - 22. Zelin Li, Jiale Cai and Shaomin Zhou, Potential oscillations during the reduction of $\text{Fe}(\text{CN})_6^{3-}$ ions with convection feedback, *Journal of Electroanalytical Chemistry*, 432, 111-116 (1997).
 - 23. Nan-Hai Li, Shi-Gang Sun, In situ FTIR spectroscopic studies of the electrooxidation of C_4 alcohol on a platinum electrode in acid solutions part I. Reaction mechanism of 1-butanol oxidation, *Journal of Electroanalytical Chemistry*, 436, 65-72 (1997).
 - 24. Zelin Li, Jiale Cai and Shaomin Zhou, Current oscillations in the reduction or oxidation of some anions involving convection mass transfer, *Journal of Electroanalytical Chemistry*, 436, 195-201 (1997).
 - 25. Ling-ling Wu, J. Luo, Zhong-Hua Lin, Spectroelectrochemical studies of poly-o-phenylenediamine part 2. In situ UV-vis subtractive reflectance spectroscopy, *Journal of Electroanalytical Chemistry*, 440, 173-182 (1997).
 - 26. Youzhu Yuan, Kiyotaka Asakura, Huilin Wan, Khirui Tsai, Yasuhiro Iwasawa, Characterization and catalysis of a SiO_2 -supported $[\text{Au}_6\text{Pt}]$ cluster $[(\text{AuPPh}_3)_6\text{Pt}(\text{PPh}_3)]^{2+}/\text{SiO}_2$, *Journal of Molecular Catalysis A: Chemical*, 122, 147-157 (1997).
 - 27. Z.Q. Tian, B. Ren and B.W. Mao, Extending surface Raman spectroscopy to transition metal surfaces for practical applications. I. Vibrational properties of thiocyanate and carbon monoxide adsorbed on electrochemically activated platinum surfaces, *J. Phys. Chem. B*, 101, 1338-1346 (1997).
 - 28. Zhao-yang Liu, Zi-chao Tang, Rong-bing Huang, Qiang Zhang and Lan-sun Zheng, Experimental and theoretical studies of laser-generated sulfur polycarbon hydride ions: Collision-induced dissociation and ab Initio calculations, *J. Phys. Chem. A*, 101, 4019-4025 (1997).
 - 29. Dai-wei Liao, Alexander M. Mebel, Yit-Tsong Chen and Sheng-hsien Lin, Theoretical study of the structure, energetics, and the n-p* electronic transition of the acetone+nH₂O (n=1-3) complexes, *J. Phys. Chem. A*, 101, 9925-9934 (1997).
 - 30. R.Q. Long, Y.P. Huang and H.L. Wan, Surface oxygen species over cerium oxide and their reactivities with methane and ethane by means of in situ confocal microprobe Raman spectroscopy, *Journal of Raman Spectroscopy*, 28, 29-32 (1997).
 - 31. Y. Yang, J. Li, J.M. Nan, Z.G. Lin, Performance and characterization of metal hydride electrodes in nickel/metal hydride batteries, *Journal of Power Sources*, 65, 15-21 (1997).
 - 32. Y. Yang, D. Shu, H. Yu, X. Xia, Z.G. Lin, Investigations of lithium manganese oxide materials for lithium-ion batteries, *Journal of Power Sources*, 65, 227-230 (1997).

33. J.S. Gao and Z.Q. Tian, Surface Raman spectroscopic studies of ruthenium, rhodium and palladium electrodes deposited on glassy carbon substrates, *Spectrochimica Acta.*, Part A: 53, 1595-1600 (1997).
34. Kan Jinqing, Xue Huaiguo, Mu Shaolin, Chen Hong, Effects of conducting polymers on immobilized galactose oxidase, *Synthetic Metals*, 87, 205-209 (1997).
35. Weiqi Lu, Fengyi Li and Huilin Wan, Hydrogen spillover in the conversion of cyclohexane and n-hexane on Pt/KL kind of zeolite catalyst, *Synthetic Metals*, 112, 411-416 (1997).
36. Wen-Feng Lin, Wing-Tak Wong, and Shi-Gang Sun, In situ FTIR spectroscopic studies on electrochemical redox processes of high nuclearity osmium carbonyl clusters, *J. Phys. Chem.*, 100, 696-699 (1997).

