



个人简介

教育:

1986-1990 浙江师范大学化学系 学士

1993-1996 浙江大学化学系 硕士

2000-2003 日本东京大学工学系 博士

主要研究论文:

1. Ma ZX, Yang HS*, Li B, Liu F, Zhang XB, *Temperature dependent effects of SO₂ on selective catalytic reduction of NO over Fe-Cu-O_x/CNTs-TiO₂ catalysts*, *Ind. Eng. Chem. Res.*, 52 (2013) 3708-3713.
2. Liu Y, Jin PP, Chen AL, Yang HS*, Xu YB, *Residual compressive stress induced infrared-absorption frequency shift of hexagonal boron nitride in cubic boron nitride films prepared by plasma enhanced chemical vapor deposition*, *J. Appl. Phys.*, 112 (2012) 053502.
3. Li YB, Jiang HX, Yuan GZ, Chen AL, Wang X, Dai TG, Yang HS*, *Electronic structure and impurity states of S-doped cBN: A first-principle study*, *J. Alloy and Compounds*, 531 (2012) 82-85
4. Ma ZX, Yang HS*, Li Q, Zheng JW, Zhang XB, *Catalytic reduction of NO by NH₃ over Fe-Cu-O_x/CNTs-TiO₂ composites at low temperature*, *Applied Catalysis A: General*, 427-428 (2012) 43-48
5. Yang HS, Zhang L, Dong XH, Zhu WM, Zhu J, Nelson BJ, Zhang XB, *Precise Control of the Number of Walls Formed During Carbon Nanotube Growth Using Chemical Vapor Deposition*, *Nanotechnology*, 23 (2012) 065604.
6. Nie AM, Yang HS*, Li Q, Fan XY, Qiu FM, Zhang XB, *Catalytic Oxidation of Chlorobenzene over V₂O₅/TiO₂ - Carbon Nanotubes Composites*, *Ind. Eng. Chem. Res.*, 50 (2011) 9944-9948.
7. Yang HS, Chen AL, Qiu FM, *Cubic boron nitride film residual compressive stress relaxation by post annealing*, *Diamond Relat. Mater.*, 20 (2011) 1179-1182.
8. Li Q, Yang HS*, Qiu FM, Zhang XB, *Promotional effects of carbon nanotubes on V₂O₅/TiO₂ for NO_x removal*, *J. Hazard. Mater.*, 192 (2011) 915-921.
9. Tian W, Yang HS*, Fan XY, Zhang XB, *Catalytic reduction of NO_x with NH₃ over different-shaped MnO₂ at low temperature*, *J. Hazard. Mater.*, 188 (2011) 105-109.
10. Tian W, Fan XY, Yang HS*, Zhang XB, *Preparation of MnO_x/TiO₂ composites and their properties for catalytic oxidation of chlorobenzene*, *J. Hazard. Mater.*, 177 (2010) 887-891.
11. Yang HS, Zhang Y, Zhang XB, Xu YB, *Influence of the compressive stress on the infrared absorption of sp²-bonded boron nitride in cubic boron nitride thin films*, *Appl. Phys. Lett.* 91 (2007) 061907.
12. Yang HS, Iwamoto C, Yoshida T, *High-resolution transmission electron microscopy of as-deposited boron nitride on the edge of ultrathin Si flake*, *J. Appl. Phys.*, 2004 95(5): 2337-2341.
13. Iwamoto C, Yang HS, Watanabe S, Yoshida T, *Dynamic and atomistic deformation of sp²-bonded boron nitride nanoarrays*, *Appl. Phys. Lett.*, 2003, 83: 4402-4404.
14. Yang HS, Iwamoto C, Yoshida T, *Interface engineering of cBN films deposited on Silicon substrates*, *J. Appl. Phys.*, 2003, 94: 1248-1251.
15. Yang HS, Iwamoto C, Yoshida T, *Nanostructures of the turbostratic BN transition layer in cubic BN thin films deposited by low-pressure inductively coupled plasma-enhanced chemical vapor deposition*, *J. Appl. Phys.*, 2002, 91: 6695-6699.

工作研究领域

*. Environmental protection related catalysts *. cBN related Hardcoating *.
Carbonecoous materials preparation

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