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朱玲平 研究员

1964年生。1984年毕业于山西省吕梁师范专科学校化学系，并留校任教。1989—1992年于武汉大学化学系获硕士学位。1992—2002年在中国科学院山西煤炭化学研究所工作，并于2000年获博士学位。2002—2004年获德国洪堡基金会资助在德国马普学会Fritz-Haber研究所进行合作研究。2004年回煤化所工作，并获得中国科学院“百人计划”项目资助。现任煤转化国家重点实验室副主任、研究员、博士生导师、课题组长。

主要从事纳米化学方面的应用基础研究，包括：纳米结构新型材料的制备技术、反应原理、纳米材料在清洁能源和存储以及环境污染物催化净化中的应用等。1992年以来参加和负责的主要项目有：国家自然科学基金重点项目面上项目、中国科学院重点项目、中国科学院知识创新项目等。现负责的课题有中科院“百人计划”课题“纳米材料封装和功能”、国家自然科学基金课题“管中管碳纳米结构的组装、结构和性质”、“碳纳米管生长过程碳与金属的协同”和中科院“优秀博士学位论文、院长奖获得者科研启动专项资金”课题，“爆炸化学途径合成纳米材料的科学基础及材料结构和性质特征”。

曾获山西省科技进步二等奖，全国百篇优秀博士论文奖。已发表国际学术刊物论文30余篇，国内学术刊物论文4篇，获得授权专利10余项，正在申请专利3项。作为第一导师，培养博士生5名，正在培养博士生和硕士生13名。

学术机构主要兼职：《新型炭材料》编委。

近期主要论文：

1. G.X. Du, C. Song, J.H. Zhao, S.A. Feng, Z.P. Zhu, Solid-phase transformation of glass-like carbon nanoparticles into nanotubes and the related mechanism, *Carbon*, 46(1), 92–98, 2008.
2. S.L. Bai, J.H. Zhao, G.X. Du, J.F. Zheng, Z.P. Zhu, *In situ* modifying of carbon tube-in-tube nanostructures with highly active Fe₂O₃ nanoparticles, *Nanotechnology*, 19(20), 205605-1–5, 2008.
3. S.A. Feng, J.H. Zhao, Z.P. Zhu, Kinetically restraining aggregation of ZnS nanocrystals and the effect on photocatalysis, *Mater. Sci. Eng. B*, 150, 116–120, 2008.
4. S.A. Feng, J.H. Zhao, G.X. Du, C. Song, J.L. Song, Z.P. Zhu, Carbon nanotube-confined evolution of Co-Ni alloy nanowires with high-density lamellar twin boundaries, *J. Phys. Chem. C*, 112, 15247–15252, 2008.
5. J.F. Zheng, J.L. Song, J.H. Zhao, L. Li, Z.P. Zhu, Self-assembly of FeCl₃-S nanotrees and their application in directed growth of nanofibers, *Mater. Lett.*, 62(25), 4069–4071, 2008.
6. G.X. Du, S.A. Feng, J.H. Zhao, C. Song, S.L. Bai, Z.P. Zhu, Particle-wire-tube mechanism for carbon nanotube evolution, *J. Am. Chem. Soc.*, 128 (48), 15405–15414, 2006.

7. Z.P. Zhu, Y. Lu, D.H. Qiao, S.L. Bai, T.P. Hu, L. Li, J.F. Zheng, Self-catalytic behavior of carbon nanotubes, *J. Am. Chem. Soc.*, 127, 15698–15699, 2005.
8. Y. Lu, Z.P. Zhu, Z.Y. Liu, Carbon-encapsulated nanoparticles from detonation-induced pyrolysis of ferrocene, *Carbon*, 43 (2), 369–374, 2005.
9. Z.P. Zhu, D.S. Su, G. Weinberg, R.E. Jentoft, R. Schloegl, Wet-chemical assembly of carbon tube nanostructures, *Small*, 1 (1), 107–110, 2005.
10. Z.P. Zhu, D.S. Su, Y. Lu, R. Schloegl, G. Weinberg, Z.Y. Liu, Molecular “glass” blowing: From carbon nanotubes to carbon nanobulbs, *Adv. Mater.*, 16 (5), 443–447, 2004.
11. Z.P. Zhu, D.S. Su, G. Weinberg, R.E. Jentoft, R. Schloegl, Supermolecular self-assembly of graphene sheets: Formation of tube-in-tube nanostructures, *Nano Lett.*, 4 (11), 2255–2259, 2004.
12. Y. Lu, Z.P. Zhu, Z.Y. Liu, Catalytic growth of carbon nanotubes through CHNO explosive detonation, *Carbon*, 42 (2), 361–370, 2004.
13. G.Y. Xie, Z.Y. Liu, Z.P. Zhu, Q.Y. Liu, J. Ge, Z.G. Huang, Simultaneous removal of SO₂ and NO_x from flue gases using a CuO/Al₂O₃ catalyst sorbent: I. Deactivation of SCR activity by SO₂ at low temperatures. *Catal.*, 224 (1), 36–41, 2004.
14. G.Y. Xie, Z.Y. Liu, Z.P. Zhu, Q.Y. Liu, J. Ge, Z.G. Huang, Simultaneous removal of SO₂ and NO_x from flue gases using a CuO/Al₂O₃ catalyst sorbent: II. Promotion of SCR activity by SO₂ at high temperatures. *Catal.*, 224 (1), 42–49, 2004.
15. G.Y. Xie, Z.Y. Liu, Z.P. Zhu, Q.Y. Liu, J.R. Ma, Reductive regeneration of sulfated CuO/Al₂O₃ catalyst sorbent in ammonia, *Appl. Catal. B*, 45 (3), 213–221, 2003.
16. Z.G. Huang, Z.P. Zhu, Z.Y. Liu, Q.Y. Liu, Formation and reaction of ammonium sulfate on V₂O₅/AC catalyst during selective catalytic reduction of nitric oxide by ammonia at low temperature, *J. Catal.*, 214 (2003), 213–219, 2003.
17. W.Z. Wu, Z.P. Zhu, Z.Y. Liu, A study of the explosion of Fe-C hybrid xerogels and the solid products, *Carbon*, 41 (2), 309–315, 2003.
18. W.Z. Wu, Z.P. Zhu, Z.Y. Liu, Y.N. Xie, J. Zhang, T.D. Hu, Preparation of carbon-encapsulated iron carbide nanoparticles by an explosion method, *Carbon*, 41 (2), 317–321, 2003.
19. Y. Lu, Z.P. Zhu, W.Z. Wu, Z.Y. Liu, Catalytic formation of carbon nanotubes during detonation of dinitrobenzene, *Carbon*, 41 (1), 194–198, 2003.