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主要研究方向

纳米晶合金，钛合金及钛基复合材料，TiAl 金属间化合物，粉末冶金，机械合金化，亚稳材料

社会兼职

美国材料研究学会 会员

《沈阳工业大学学报》审稿人

主要学术成果

1. Z. G. Liu, J. T. Guo, L. L. Ye, G. S. Li and Z. Q. Hu Formation Mechanism of TiC By Mechanical Alloying Appl. Phys. Lett., 65, 2666-2668(1994).
2. Z. G. Liu, L. L. Ye, G. S. Li, Z. Q. Hu, and J. T. Guo Self-propagating High-temperature Synthesis of TiC and NbC by Mechanical Alloying J. Mater. Res., 10, 3129-3135(1995).
3. L. L. Ye, Z. G. Liu, M. X. Quan and Z. Q. Hu Different Reaction Mechanisms during Alloying Ti50C50 and Ti33B67J. Appl. Phys., 80, 1910-1912(1996).
4. Z. G. Liu, J. T. Guo, L. Z. Zhou, Z. Q. Hu and M. Umemoto Mechanical Alloying Synthesis and Characterization of Ternary Ni-Al-Fe Alloys J. Mater. Sci., 32, 4857-4864(1997).
5. Z. G. Liu, M. Umemoto, S. Hirose and H. Kanekiyo Spark Plasma Sintering of Nd-Fe-B Magnetic Alloy J. Mater. Res., 14, 2540-2547(1999).
6. Z. G. Liu, H. Ohi, K. Masuyama, K. Tsuchiya and M. Umemoto Mechanically Driven Phase Transformation of Fullerene J. Phys. Chem. Solids, 61, 1119-1122(2000).
7. Z. G. Liu, X. J. Hao, K. Masuyama, K. Tsuchiya, M. Umemoto and S. M. Hao Nanocrystal formation in a ball milled eutectoid steel Scripta Mater., 44, 1775-1779(2001).
8. Y. Xu, Z. G. Liu, M. Umemoto, and K. Tsuchiya Formation and annealing behavior of nanocrystalline ferrite in Fe-0.89C spheroidite steel produced by ball milling Metall. Mater. Trans., 33A, 2195-2203(2002).
9. Z. G. Liu, H. J. Fecht and M. Umemoto Microstructural evolution and nanocrystal formation during deformation of Fe-C alloys Mater. Sci. Eng. A, 375-377, 839-843(2004).
10. The world of bulk metallic glasses and their composites, eds. C. Fan and C. T. Liu, Chapter 13.