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### 主要研究方向

粉末冶金新材料制备及成形；

金属塑性加工；

塑性加工过程数值模拟。

### 社会兼职

### 主要学术成果

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4. 王宏, 刘祖岩等. 镁晶格间隙及柱状晶粒储氢的理论分析. *稀有金属材料与工程*. 2005, 34(Suppl.2): 124-126
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7. Zuyan Liu, Zhenglong Lei, et al. Research on hydrogen storage properties of Mg-3Ni- 2MnO<sub>2</sub>(wt.%) milled with nickel powders of different particle sizes. *Journal of Alloys and Compounds*. 431(2007)212-216.
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11. Daren Li, Zuyan Liu, et al. Research on the Densification of W-40wt.%Cu by Liquid Sintering and Hot-hydrostatic Extrusion. *International Journal of Refractory Metals and Hard Materials*. 2008, 26(4):286-289
12. S. J. Liang, Z. Y. Liu, et al. Simulation of Extrusion Process of AZ31 Magnesium Alloy. *Materials Science and Engineering A*. 2009, 499: 221-224.
13. S. J. Liang, H. F. Sun, Z. Y. Liu, et al. Mechanical Properties and Texture Evolution during Rolling Process of an AZ31 Mg Alloy. *Journal of Alloys and Compounds*. 2009, 472: 127-132.
14. 李达人, 刘祖岩. W-40%Cu热加工摩擦因子与换热系数测定. *粉末冶金技术*. 2009, 27(3):178-181
15. Daren Li, Zuyan Liu, et al. Numerical simulation of hot hydrostatic extrusion of W-40wt.%Cu. *Materials Science and Engineering A*. 2009, 499(1-2):118-122
16. 苏新艳, 刘祖岩等. W-40%Cu合金应力-应变曲线的测定与描述. *粉末冶金技术*. 2009, 27(2):91-94