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【在研科研项目】

1. 军品配套项目1项，2011年-2015年。
2. 武汉钢铁集团公司合作项目，2013年-2015。
3. 安迈铝业青岛公司合作项目，2013年-2016年。

【代表性学术论文】

1. **徐桂英**, 邹平, 王松, 张艳华. 退火对高压烧结 Gd 掺杂 $\text{Bi}_2\text{Te}_{2.7}\text{Se}_{0.3}$ 纳米晶热电性能的影响, 稀有金属材料与工程, 2015, 44, 4, 950-955.
2. **Gui-Ying Xu**, Si-Tong Niu, and Xiao-Feng Wu, Thermoelectric properties of p-type $\text{Bi}_{0.5}\text{Sb}_{1.5}\text{Te}_{2.7}\text{Se}_{0.3}$ fabricated by high pressure sintering method, JOURNAL OF APPLIED PHYSICS, 2012, 112,7, 073708.
3. Ping Zou, **Guiying Xu**, Song Wang. Enhanced thermoelectric performance in n-type $\text{Bi}_2\text{Te}_{2.95}\text{Se}_{0.05}$ bulks fabricated by high pressure sintering technique. Materials Research Bulletin, 2014, 60, 808-813.
4. Ping Zou, **Guiying Xu**, Song Wang. Thermoelectric properties of $\text{Bi}_2(\text{Te}_{1-x}\text{Se}_x)_3$ nanocrystalline prepared by high pressure sintering technique. Journal of Electronic Materials, 2015, 44, 6, 1592-1598.
5. Fengzhu Huang, **Guiying Xu**, Ping Zou. Thermoelectric Properties of $\text{In}_x\text{Ge}_{1-x}\text{Te}$ fabricated by high pressure sintering method. Journal of Electronic Materials, 2015, 44, 6, 1651-1655.



Gui-Ying Xu, the professor of the School of Material Science and Engineering, received his B.E. and Ph.D. in Iron and Steel Metallurgy from Northeastern University in 1995. Hers recent research interest is advanced technology for thermoelectric materials and refractory materials.

【Publications】

1. 徐桂英, 邹平, 王松, 张艳华. 退火对高压烧结 Gd 掺杂 $\text{Bi}_2\text{Te}_{2.7}\text{Se}_{0.3}$ 纳米晶热电性能的影响, 稀有金属材料与工程, 2015, 44, 4, 950-955.
2. **Gui-Ying Xu**, Si-Tong Niu, and Xiao-Feng Wu, Thermoelectric properties of p-type $\text{Bi}_{0.5}\text{Sb}_{1.5}\text{Te}_{2.7}\text{Se}_{0.3}$ fabricated by high pressure sintering method, JOURNAL OF APPLIED PHYSICS, 2012, 112,7, 073708.
3. Ping Zou, **Guiying Xu**, Song Wang. Enhanced thermoelectric performance in n-type $\text{Bi}_2\text{Te}_{2.95}\text{Se}_{0.05}$ bulks fabricated by high pressure sintering technique. Materials Research Bulletin, 2014, 60, 808-813.
4. Ping Zou, **Guiying Xu**, Song Wang. Thermoelectric properties of $\text{Bi}_2(\text{Te}_{1-x}\text{Se}_x)_3$ nanocrystalline prepared by high pressure sintering technique. Journal of Electronic Materials, 2015, 44, 6, 1592-1598.
5. Fengzhu Huang, Guiying Xu, Ping Zou. Thermoelectric Properties of $\text{In}_x\text{Ge}_{1-x}\text{Te}$ fabricated by high pressure sintering method. Journal of Electronic Materials, 2015, 44, 6, 1651-1655.