



**谢建新**, 1958年6月生, 新材料技术研究院教授, 教育部长江学者奖励计划特聘教授, 国家杰出青年科学基金获得者。1982年在中南大学金属压力加工专业获学士学位, 1985年在中南大学金属塑性加工专业获硕士学位, 1991年在日本东北大学材料加工学专业获博士学位。目前主要从事材料加工新技术新工艺研究。获国家技术发明二等奖1项、国家科技进步二等奖2项。发表学术论文200余篇, 申请/获授权国家发明专利80余项。兼任“十五”~“十二五”国家863计划新材料技术领域专家、中国材料研究学会学会副理事长、中国有色金属学会学会常务理事、《International Journal of Mineral, Metallurgy, and Materials》主编、《Rare Metals》、《塑性工程学报》和《锻压技术》副主编。

### 【在研科研项目】

1. 国家973计划, 高性能金属材料控制凝固与控制成形的科学基础 (2011CB606300, 项目首席科学家), 2011年-2015年;
2. 北京市科技计划, 100mm以上大规格铜包铝电力扁排中试研究 (Z141100004214003), 2014年-2016年;
3. 技术转让项目, 铜合金短流程加工新工艺, 2010年-2018年。

### 【代表性学术论文】

- 1 Jian-xin Xie, Xin-hua Liu, Hai-you Huang. Horizontal Core-Filling Continuous Casting of Copper Clad Aluminum Conductor Materials: Properties and Applications. *Light Metal Age*, 2015, 73 (1): 64-67.
- 2 Ji-Li Liu, Hai-You Huang, Jian-Xin Xie\*. The roles of grain orientation and grain boundary characteristics in the enhanced superelasticity of Cu<sub>71.8</sub>Al<sub>17.8</sub>Mn<sub>10.4</sub> shape memory alloys. *Materials and Design*, 2014, 64: 427-433.
3. Hai-You Huang, Yu Wang, Jian-Xin Xie\*. Stress-induced phase transformation characteristics and its effect on the enhanced ductility in continuous columnar-grained polycrystalline Cu-12wt.%Al alloy. *Mater. Sci. Eng. A*, 2014, 596: 103-111.
4. Jianxin Xie\*, Huadong Fu, Zhihao Zhang, Yanbin Jiang. Deformation twinning feature and its effects on significant enhancement of tensile ductility in columnar-grained Fe-6.5wt.%Si alloy at intermediate temperatures. *Intermetallics*, 2012, 23: 20-26.
5. Jianxin Xie\*, Huadong Fu, Zhihao Zhang Yanbin Jiang. Deformation twinning in an Fe-6.5 wt.% Si alloy with columnar grains during intermediate temperature compression. *Mater. Sci. Eng. A*, 2012, 538:315-319.



**Jian-Xin XIE**, professor of the Institute for Advanced Materials and Technology, received his B.E. and M.E. in materials processing from Central-South University, in 1982 and 1985, and his Ph.D. in materials processing from Tohoku University (Japan) in 1991. His recent research interest is advanced materials processing technology. He has achieved 3 second-class Awards of National Science and Technology of China, 3 first-class awards, published over 200 papers and applied over 80 patents. He is the executive scientist of the National High Technology Research and Development Program (863 Program) of China in the field of advanced materials, vice president of Chinese Materials Research Society, executive member of Chinese Nonferrous Metals Society, the chief editor of the International Journal of Mineral, Metallurgy, and Materials.

#### **【Publications】**

1. Jian-xin Xie, Xin-hua Liu, Hai-you Huang. Horizontal Core-Filling Continuous Casting of Copper Clad Aluminum Conductor Materials: Properties and Applications. *Light Metal Age*, 2015, 73 (1): 64-67.
2. Ji-Li Liu, Hai-You Huang, Jian-Xin Xie\*. The roles of grain orientation and grain boundary characteristics in the enhanced superelasticity of Cu<sub>71.8</sub>Al<sub>17.8</sub>Mn<sub>10.4</sub> shape memory alloys. *Materials and Design*, 2014, 64: 427-433.
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