



黄继华，1962年10月出生，材料科学与工程学院教授，北京市高等院校（青年）学科带头人。1983年在哈尔滨工业大学焊接专业获学士学位，1986年在哈尔滨工业大学焊接专业获硕士学位，1990年在哈尔滨工业大学焊接专业获博士学位。主要从事“先进材料与异种材料连接”、“材料焊接/连接新技术”、“电子封装微连接技术、材料及可靠性”、“材料涂层技术”等研究。目前兼任中国焊接学会理事；材料研究学报、中国稀土学报（中、英）、材料科学与工艺等杂志编委。

【在研科研项目】

1. 总装“十二五”预研，“超高温结构材料焊接新技术- $\times\times\times\times\times$ 复合材料与 $\times\times\times$ 连接技术研究”，2011年-2015年
2. 国家自然科学基金，“Cf/SiC 复合材料与钛合金复合扩散钎焊动力学与界面反应研究”（No. 51175037），2011年-2015年
3. 国家自然科学基金，“基于新一代高温功率芯片封装的Ni-Sn TLPS 连接特性与动力学研究”（No. 51474026），2015年-2018年

【代表性学术论文】

1. Bing Cui, Jihua Huang*, Chuang Cai, Shuhai Chen, Xingke Zhao. “Microstructures and mechanical properties of Cf/SiC composite and TC4 alloy joints brazed with (Ti-Zr-Cu-Ni)+W composite filler materials”, Composites Science and Technology, 2014, 97: 19-26.
2. Dongyu Fan, Jihua Huang*, Yihui Wang, Shuhai Chen, Xingke Zhao. “Active brazing of carbon fiber reinforced SiC composite and 304 stainless steel with Ti-Zr-Be”, Materials Science & Engineering A, 2014, 617: 66-72.
3. Meng Han, Guodong Zhou, Jihua Huang*, Shuhai Chen. “Optimization selection of the thermal conductivity of the top ceramic layer in the Double-Ceramic-Layer Thermal Barrier Coatings based on the finite element analysis of thermal insulation”, Surface and Coatings Technology, 2014, 240: 320-326.
4. Bing Cui, Jihua Huang*, Jinhui Xiong, Shuhai Chen, Xingke Zhao, “Reaction-composite brazing of carbon fiber reinforced SiC composite and TC4 alloy using Ag-Cu-Ti-(Ti+C) mixed powder”, Materials Science and Engineering: A 2013, 562:203-210.
5. Haitao Wang, Jihua Huang*, Jinglei Zhu, Hua Zhang, Xinke Zhao. “Microstructure of cermet coating prepared by plasma spraying of Fe-Ti-C powder using sucrose as carbonaceous precursor”, Journal of Alloys and Compounds, 2009, 472(1-2): 1-5.



Jihua Huang, the professor of School of Materials Science and Engineering, received his B.E. and M.E. in materials processing from Harbin Institute of Technology, in 1983 and 1986, and his Ph.D. in materials processing from Harbin Institute of Technology in 1990. His recent research areas include (1) welding and joining of advanced materials and dissimilar Materials, (2) micro-joining technology and reliability for microelectronic packaging, (3) advanced coating process and materials. He is member of the Chinese Welding Society, and member of editorial board of the Chinese Journal of Materials Research.

【Publications】

1. Bing Cui, Jihua Huang*, Chuang Cai, Shuhai Chen, Xingke Zhao. “Microstructures and mechanical properties of Cf/SiC composite and TC4 alloy joints brazed with (Ti–Zr–Cu–Ni)+W composite filler materials”, *Composites Science and Technology*, 2014, 97: 19-26.
2. Dongyu Fan, Jihua Huang*, Yihui Wang, Shuhai Chen, Xingke Zhao. “Active brazing of carbon fiber reinforced SiC composite and 304 stainless steel with Ti–Zr–Be”, *Materials Science & Engineering A*, 2014, 617: 66-72.
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4. Bing Cui, Jihua Huang*, Jinhui Xiong, Shuhai Chen, Xingke Zhao, “Reaction-composite brazing of carbon fiber reinforced SiC composite and TC4 alloy using Ag–Cu–Ti–(Ti+C) mixed powder”, *Materials Science and Engineering: A* 2013, 562:203-210.
5. Haitao Wang, Jihua Huang*, Jinglei Zhu, Hua Zhang, Xinke Zhao. “Microstructure of cermet coating prepared by plasma spraying of Fe–Ti–C powder using sucrose as carbonaceous precursor”, *Journal of Alloys and Compounds*, 2009, 472(1-2): 1-5.