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■ 学习工作经历

侯纪新，女，1980 年出生，副教授。2003 年在山东大学获得学士学位，2008 年于山东大学获工学博士学位。2010 年 10 月-2012 年 05 月韩国国民大学博士后，2012 年 06 月-至今在苏州大学任教。2016 年被聘为苏州大学沙钢钢铁学院副教授。先后在国内外著名期刊如 J MATER SCI TECHNOL 等发表论文 40 余篇。

■ 主要研究方向

1. 亚稳金属材料的制备及性能优化
2. 异质金属材料的激光增材制造与结构性能调控
3. 非稳态热循环条件组织性能模拟
4. 多尺度微细结构复合加工技术

■ 承担科研项目

1. 氮微合金化对于 CuZr 基非晶合金各演变过程的影响，江苏省自然科学基金
2. 复相非晶的微观结构与力学性能调控，第 2，国家自然科学基金，(No. 51401139)
3. Na₂MnPO₄F-Na₃V₂(PO₄)₂F₃/C 复合纳米纤维高效电子/离子导电网络的构建及性能调控，国家自然科学基金，第 2，(No. 51574170)
4. Fe 基非晶复合涂层的开发，企业横向项目
5. 石墨烯/金属复合材料的制备研究，企业横向项目

■ 代表性论著

1. Zhou, W; Weng, WP; Hou, JX*; Glass-forming ability and corrosion resistance of ZrCuAlCo bulk metallic glass, Journal of Materials Science & Technology,32, 349-354,2016
2. Zhou Wei; Zhang Caiwei; Sheng Minqi; Hou Jixin*, Glass forming ability and corrosion resistance of Zr-Cu-Ni-Al-Ag bulk metallic glass, Metals,6,10,230,2016
3. J.X. Hou, W Zhou, S.H. Zhang*, S.Y. Hou, M.Q. Sheng*, Investigation of Structure and Properties of Rapidly Solidified CuSn Alloy, Int. J. Electrochem. Sci., 10 (2015) 8558 – 8568
4. J X Hou, H J Zhang, S H Zhang, Electrical Resistivity and Structure of Cu-Pb Alloy during Cooling Process, Materials Science and Engineering, 774:012006, 2020
5. Zhang Shun Hu; Deng Lei; Zhang Qing Yu; Li Qi Han; Hou Ji Xin, Modeling of rolling force of ultra-heavy plate considering the influence of deformation penetration coefficient, International Journal of Mechanical Sciences,159,373-381,2019

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7. Zhang, Shun Hu; Chen, Xiao Dong; Hou, Ji Xin*; ,Analysis of broadside rolling for heavy plate by weighted velocity field and mean yield criterion, *Meccanica*,51,5,1189-1199,2016
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9. Zhou W; Hou, JX; Sheng, MQ, Microstructural change and corrosion behavior during rolling of Zr-based bulk metallic glass, *Int. J. Electrochem. Sci*,11,7163-7172,2016,
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11. Zhou, Wei; Hou, Jixin; Weng, Wenping, Microstructure, thermal stability and mechanical properties of Zr–Cu–Al–Sn bulk metallic glass, *Journal of Non-Crystalline Solids*, 429, 208-212, 2015
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13. 侯纪新, 章顺虎, 周巍, 王晓南, 蒋小舟, 朱广江. 新型Fe基非晶复合涂层的制备及性能研究, *中国激光*, 2015,42(11):1103009
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15. Zhang, Shun Hu; Chen, Xiao Dong; Wang, Xiao Nan; Hou, Ji Xin, Modeling of burst pressure for internal pressurized pipe elbow considering the effect of yield to tensile strength ratio, *Meccanica*,50, 2123-2133,2015
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■ 获奖情况

1. 金属塑性成形力学解析及应用研究, 江苏省教育科学研究成果奖, 第 2, 三等奖, 2018