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个人简介：女，2016 年毕业于哈尔滨工业大学，工学博士，硕士生导师，现任职于山东科技大学机械电子工程学院机制系。主持和参与国家自然科学基金、山东省自然科学基金、中国博士后科学基金项目及企业委托横向科研项目等 10 余项，发表学术论文 20 余篇。

学术兼职：中国机械工程协会会员；青岛市高新技术企业评审专家；担任 Journal of Alloys and Compounds 和 Materials Science & Engineering A 等国际顶级学术期刊的审稿人。

研究领域： 金属材料近净成型，轻质金属绿色制造，金属材料增材制造

教学科研情况（项目）：

(1)国家自然科学基金青年基金：TiB_2 颗粒增强超细晶镁基复合材料的组织调控与强韧化机理研究，22 万，项目负责人，2019.1-2021.12。

(2)中国博士后科学基金面上项目：钒颗粒增强超细晶镁基复合材料的组织调控与强韧化机理，项目负责人，2019.9-2022.6。

(3)山东省高等学校青年创新团队人才引育计划：深地采煤装备性能强化团队，200 万，核心成员，2019.09-2022.09，

(4)山东省自然科学基金博士基金：TiB2 颗粒增强超细晶 AZ31 镁基复合材料制备及微观组织演化机理研究，8 万，项目负责人，2018.3-2020.12。

(5)企业横向项目，家电彩钢板表面有机涂覆层材料成形性能的研究，80 万，核心成员，2020.11-2023.11。

(6)企业横向项目：3D 打印航天发动机高温合金类零件控形控性技术研究，10 万，2/6，2021.02-2023.02。

(7)山东科技大学人才启动基金项目：Ti 弥散强化纳米晶 AZ31 镁合金组织性能研究，项目负责人。

学术成果（论文、专利、获奖等）：

(1) Zhang Hongbin, Chen Kang, **Zhou Haiping***, et al. Microstructure and mechanical properties of novel Si-added CrFeNi medium-entropy alloy prepared via vacuum arc-melting[J]. Journal of Alloys and Compounds, 2022: 164136.

(2) Fang Ruirui, Deng Nana, **Zhou Haiping***, et al. Effect of selective laser melting process parameters on the microstructure and properties of a precipitation hardening stainless steel[J]. Materials & Design, 2021, 212: 110265.

(3) Sun Shuai, Deng Nana, **Zhou Haiping***, et al. Microstructure and mechanical properties of AZ31 magnesium alloy reinforced with novel sub-micron vanadium particles by powder metallurgy[J]. Journal of Materials Research and Technology, 2021, 15: 1789-1800.

(4) Sun Liqing, Sun Shuai, **Zhou Haiping***, et al. Effect of Vanadium Reinforcement on the Microstructure and Mechanical Properties of Magnesium Matrix Composites[J]. Crystals, 2021, 11(7): 806.

(5) **Zhou Haiping**, Deng Nana, et al. Thermal Stability of Nanocrystalline AZ31/TiB2 Magnesium Matrix Composites Prepared via Mechanical Milling[J]. Arabian Journal for Science and Engineering, 2021: 1-11.

(6) Zhang Hongbin, Zhang Chengcai, **Zhou Haiping***, et al. Evolution of grain boundary character distributions in a cold-deformed Nickel-based superalloy during electropulsing treatment[J]. Journal of Materials Research and Technology, 2020, 9(3): 5723-5734.

(7) **Zhou Haiping**, Zhang Chengcai, et al. Microstructures and mechanical properties of nanocrystalline AZ31 magnesium alloy powders with submicron TiB2 additions prepared by mechanical milling[J]. Crystals, 2020, 10(6): 550.

(8) Han Ke, Zhou Haiping*. EBSD study of the effect of electropulsing treatment on the microstructure evolution in a typical cold-deformed Ni-based superalloy. Materials Characterization, 2019, 158:109936.

(9) Zhang Hongbin, **Zhou Haiping***. EBSD study of strain dependent microstructure evolution during hot deformation of a typical nickel-based superalloy. Journal of Materials Research, 2019, 34(2): 321-334.

(10) **Zhou Haiping***, Zhang, Hongbin. Prediction of Flow Stresses for a Typical Nickel-Based Superalloy During Hot Deformation Based on Dynamic

Recrystallization Kinetic Equation. Rare Metal Materials and Engineering, 2018, 47(11): 3329-3337

(11) Hongbin Zhang, **Haiping Zhou***, Shengxue Qin. Effect of deformation parameters on twinning evolution during hot deformation in a typical nickel-based superalloy. Materials Science & Engineering A, 2017, 696:290-298.

(12) **Haiping Zhou**, Lianxi Hu, Yu Sun, Hongbin Zhang, Congwen Duan, Huan Yu. Synthesis of nanocrystalline AZ31 magnesium alloy with titanium addition by mechanical milling. Materials Characterization, 2016, 113:108-116.

(13) **Haiping Zhou**, Lianxi Hu, Hongfei Sun. Synthesis of nanocrystalline Mg-based Mg–Ti composite powders by mechanical milling. Materials Characterization, 2015,106:44-51.

(14) **Haiping Zhou**, Lianxi Hu, Yu Sun. Recycling of AZ40 magnesium alloy scraps by hydriding-dehydriding and subsequent consolidation processing. Journal of Materials Engineering and Performance, 2015, 24(9): 3666-3672.

(15) Huan Yu, **Haiping Zhou**, Yu Sun, Lianxi Hu. Microstructure thermal stability of nanocrystalline AZ31 magnesium alloy with titanium addition by mechanical milling. Journal of Alloys and Compounds, 2017, 722 :39-47.

(16) Huan Yu, **Haiping Zhou**, Yu Sun, Lianxi Hu. Microstructures and mechanical properties of ultrafine-grained Ti/AZ31 magnesium matrix composite prepared by powder metallurgy. Advanced Powder Technology, 2018, 29(12): 3241-3249.