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基本信息

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教育背景

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个人简介

1991 年生，工学博士，毕业于吉林大学材料加工工程专业。主要从事高性能镁合金微观组织调控和强化机制的研究。主持国家自科基金青年基金一项。在金属材料领域国际知名杂志 Materials Science and Engineering A 等学术期刊上发表 SCI 文章 10 余篇。

主持项目

[1] 国家自然科学基金委员会，青年科学基金项目，52201131，“基于低温小挤压比的大尺寸高强 Mg -xGd 合金微观组织调控和强化机制研究”，2022.01 至 2025.12

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(1) R.G. Li, J.X. Zhu, B.S. Liu, **H. Zhang***, S.S. Li, D. Wu, S. Sha, S.G. Guo, Exploring the effect of bimodal microstructure on the mechanical properties of Mg-15Er binary alloy by regulating the extrusion ratio, Journal of Materials and Research Technology (2024). https://doi.org/10.1016/j.jmrt.2023.12.152

(2) **Hang Zhang**, Teng Li, Rongguang Li*, Boshu Liu, Shanshan Li, Di Wu, Achieving a high-strength ZK60 alloy by introducing nano solute clusters, Materials Letters 355 (2024) 135432.

(3) **Hang Zhang**, Haipeng Li, Rongguang Li, Boshu Liu, Ruizhi Wu, Dongyue Zhao, Shanshan Li, Effect of Initial Microstructure Prior to Extrusion on the Microstructure and Mechanical Properties of Extruded AZ80 Alloy with a Low Temperature and a Low Ratio, Chinese Journal of Mechanical Engineering 36(1) (2023) 72.

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(5) **H. Zhang**, X. Xiao, R.G. Li, D. Wu, R.Z. Wu, B.S. Liu, S.S. Li, J.R. Li, Effect of a homogeneous dynamical recrystallized microstructure and a bimodal microstructure with high-density nano substructure on mechanical properties in Mg-5Zn-0.6Zr alloys, Resources Chemicals and Materials, 2 (2023) 208-214.

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(7) **H. Zhang**, H.L. Hao, R.G. Li, B.S. Liu, H.C. Pan, Microstructure and mechanical property of hot-rolled Mg-2Ag alloy prepared with multi-pass rolling, Acta Metallurgica Sinica-English Letters 36 (2022) 335-342.

(8) R.G. Li, Y.Q. Dai, P.F. Song, J.H. Zhang, **H. Zhang***, N. Guo, G.Y. Fu, L.W. Lu, Simultaneous enhancement of strength and ductility by aging treatment in fine-grained Mg-13Gd alloy, Materials Science and Engineering A 818 (2021) 141441.

(9) **H. Zhang**, M. Zha, T. Tian, H.L. Jia, D. Gao, Z.Z. Yang, C. Wang, H.Y. Wang, Prominent role of high-volume fraction Mg17Al12 dynamic precipitations on multimodal microstructure formation and strength-ductility synergy of Mg-Al-Zn alloys processed by hard-plate rolling (HPR), Materials Science and Engineering A 808 (2021) 140920.

(10) **H. Zhang**, H.Y. Wang, J.G. Wang, J. Rong, M. Zha, C. Wang, P.K. Ma, Q.C. Jiang, The synergy effect of fine and coarse grains on enhanced ductility of bimodal-structured Mg alloys, Journal of Alloys and Compounds 780 (2019) 312-317.