

韩嘉平



学历：研究生 学位：工学博士
职务：无 职称：讲师
联系方式：hanjiaping88@126.com 研究方向：金属材料工程

教育经历

- 博士（2014.09 - 2019.12）：哈尔滨工业大学，材料科学与工程专业，方向：金属腐蚀防护与表面改性；
- 联合培养博士（2017.02 - 2018.05）：德国亥姆霍兹国家中心联合会吉斯达赫特镁创新中心
- 硕士（2011.09 - 2014.06）：东北石油大学，材料学；
- 本科（2007.09 - 2011.06）：东北石油大学，金属材料工程；

工作经历

- 2023.12 - 今：西南交通大学，材料科学与工程学院，在职博士后；
- 2020.12 - 今：攀枝花学院，钒钛学院，讲师；

主持及参与科研项目

- 省级重点实验室，纳米颗粒增强钛基复合材料腐蚀行为研究，（编号：2020FTSZ16），2020/07/01-2020/09/01，主持。
- 攀枝花学院培育项目，稀土元素对纳米颗粒增强钛基复合材料性能的影响研究，（编号：2020ZD014），2021/02/01-2023/01/31，主持。
- 攀枝花市（厅）级项目，600℃铸造高温钛合金精密铸造关键技术研究，（编号：2021CY-G-2），2021/05/28-2022/01/01，主持人，10 万元。
- 四川省科技计划重点项目，导电型铜基硼杂环纳米晶的可控合成及其电化学还原CO₂制备C₃+产物研究（包干制），（编号：2023NSFSC0009），2022/12/22-2025/12/31，参与人，40 万元。
- 四川省科技计划重点项目，医用镁合金表面载抗菌肽的羟基磷灰石复合层的构建及研究，（编号：2023ZYD0115），2023/07/01-2024/06/30，参与人，30 万元。
- 四川省科技计划青年项目，多孔钛合金表面复合生物涂层的制备及其缓释机理研究，（编号：24NSFSC7591），2024/01/01-2025/12/30，主持人，10 万元。

发表学术论文

- Hao Zhang, Binbin Wang, **Jiaping Han**, et al. A self-healing coating with embedding of polyphenols on magnesium: towards enhanced corrosion protection for biodegradable vascular implants, Chemical Engineering Journal, 2024, 中科院一区
- Ying Zhou, Shawei Tang, **Jiaping Han**, et al. Electrochemical properties and surface conductivity of Ti-Al coating on

Ti-6Al-4V, Applied Surface Science, 2024, 中科院一区.

- **Jiaping Han***, Xinyu Wang, Zhiqiang Jiang, et al. Corrosion and friction behaviours of MoSi₂/MoS₂ nanoparticles incorporated tinted coating on Ti6Al4V alloy, Surface Coatings and Technology, 2024, 中科院一区.
- **Han Jiaping***, Xiaopeng Lu, Mikhail L. Zheludkevich et al. Improving corrosion resistance of Ti alloy in hydrochloric acid by embedding TiC/TiB and Y₂O₃ ceramic nano-particles, Corrosion Science, 2023, 中科院一区.
- Zhang Dongdong, Bao Liying, **Han Jiaping**, et al. Microstructure evolution and properties of powder metallurgy Ti43Al9V0.3Y alloy sheets at different rolling temperatures, Materials Science & Engineering A, 2023, 中科院一区.
- Sun Xinghui, Hu Jin, **Han Jiaping**, et al. Superhydrophobic Ca/Ce coating on anodized magnesium alloy by electrodeposition and its corrosion inhibition, Metals and Materials International, 2023 中科院二区.
- Sun Xinghui, Hu Jin, **Han Jiaping**, et al. Construction of superhydrophobic GO/Ca coating on AZ31 magnesium alloy for enhanced anti-corrosion performance, Colloids and Surfaces A, 2023 中科院二区.
- **Jiaping Han***, Haibo Wang, Hao Zhang, et al. Corrosion behaviours of a LaB₆/TiC/TiB/Ti composite in neutral or acidic electrolytes, Journal of Materials Research and Technology, 2023, 中科院一区..
- **Han Jiaping***, Zeng xueyan, Hu Jin, et al. Corrosion behavior of Y₂O₃ reinforced Ti/TiC/TiB composite in simulated seawater and its dry friction performance, Journal of materials research and technology, 2022, 中科院一区.
- **Han Jiaping***, Junjie Yang, Xiaopeng Lu, et al. Corrosion and wear performances of La₂O₃ doped plasma electrolytic oxidized coating on Pure Mg, Surface Coatings and Technology, 2022, 中科院一区.
- **Han JP***, Carsten B., Tang SW, et al. Formation and corrosion behaviors of calcium phosphate coatings on plasma electrolytic oxidized Mg under changing chemical environment, Surface Coatings and Technology, 2021, 中科院一区.
- **韩嘉平**, 唐莎巍, 胡津等. 《微弧氧化镁表面钙磷生物涂层的制备及性能》, 中国表面工程, 2021, EI收录.
- **Han JP***, B éreng ère L., Tang SW, et al. Evolution and performance of a MgO/HA/DCPD gradient coating on pure magnesium, Journal of Alloys and Compounds, 2021, 中科院二区.
- **Han JP**, Tang SW, Hu J, et al. Formation mechanism of calcium phosphate coating on a plasma electrolytic oxidized magnesium and its degradation behaviour in simulated body fluids, Journal of Alloys and Compounds, 2019, 中科院二区.
- **Han JP**, Carsten B., Yang JJ, et al. Self-cleaning property of plasma electrolytic oxidation process on an AZ31 Mg alloy, Progress in Natural Science: Materials International, 2019, 中科院二区.
- **Han JP**, Carsten B., Tang SW, et al. Effects of pre-treatments on the formation and corrosion behaviours of CaPh coatings on pure magnesium, Coatings, 2019, 中科院三区.
- Youmin Qiu, Junjie Yang, **Jiaping Han** el at. Mechanistic Understanding of the Corrosion Behaviors of AZ31 Finished by Wire Electric Discharge Machining, J. Electrochem. Soc, 2021, 中科院二区.
- San HS, Tang SW, **Han JP**, et al. Corrosion Behaviour of Cathodic Electrodeposition Coatings on Micro-Arc Oxidized Ti6Al4V alloy in simulated body fluid, J. Electrochem. Soc, 2017, 中科院二区.
- San HS, Tang SW, **Han JP**, et al. Formation mechanism and corrosion properties of Bioactive Coating on on Micro-Arc Oxidized Ti6Al4V alloy using Cathodic Electrodeposition, J. Electrochem. Soc, 2017, 中科院二区.

■ 发明专利及软件著作权

- 镁或镁合金表面电化学处理的方法, 韩嘉平, 专利号: 202111415287.5.
- 具有时序降解功能的生物医用镁合金及其制备方法, 韩嘉平, 专利号: 202210395893.9.
- 一种具有高生物活性及低降解速率生物医用镁表面电化学处理的方法, 胡津, 韩嘉平, 唐莎巍等, 专利号: 201510125339.9.

■ 获奖及荣誉

- 获奖者.奖励名称, 奖励类别, 奖励级别和等级, 颁奖单位, 获奖时间.
- 获奖者.奖励名称, 奖励类别, 奖励级别和等级, 颁奖单位, 获奖时间.