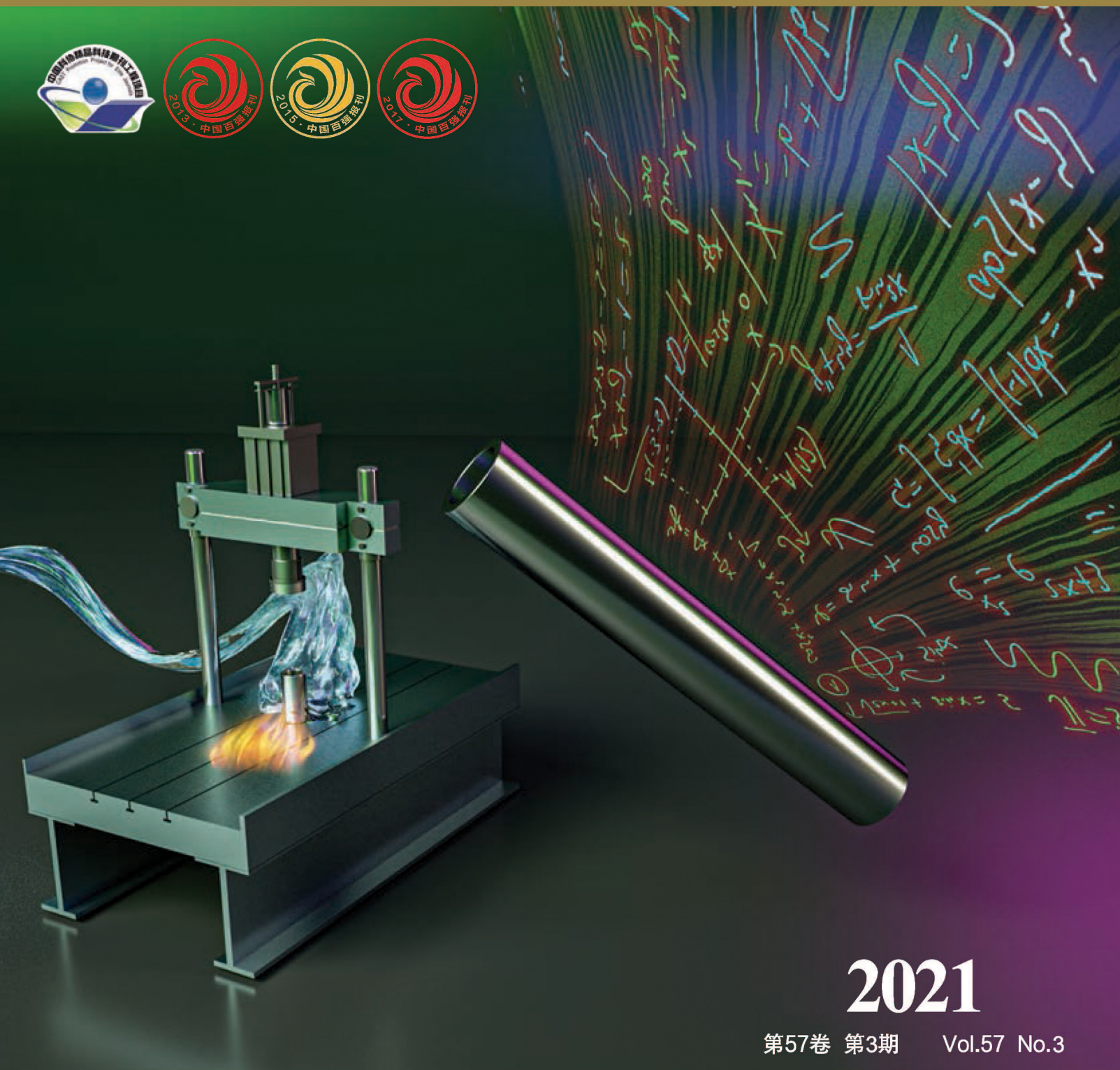
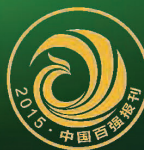


金属学报

ACTA METALLURGICA SINICA



2021

第57卷 第3期 Vol.57 No.3

中国金属学会主办

ACTA METALL. SIN. (JINSHU XUEBAO), Vol.57, No.3, pp.257—384, March 2021

万方数据



金属学报

JINSHU XUEBAO

第 57 卷

第 3 期

2021 年 3 月 11 日

目 次

综 述

金属 W 中辐照缺陷的产生、演化与热回复机制

.....易晓鸥 韩文安 刘平平 FERRONI Francesco 詹 倩 万发荣 (257)

可降解锌合金血管支架的研究现状、面临的挑战与对策思考钱 漪 袁广银 (272)

含杂质气态 CO₂ 输送管道腐蚀研究进展

.....李玉星 刘兴豪 王财林 胡其会 王婧涵 马宏涛 张 楠 (283)

高端冷轧箔带形状/性能协同测控现状及趋势预测杨利坡 张海龙 张永顺 (295)

研究论文

316LN 不锈钢管状试样高温高压水的腐蚀疲劳行为.....谭季波 王 翔 吴欣强 韩恩厚 (309)

受 BTA 保护的白铜在模拟工业大气环境中的腐蚀行为黄松鹏 彭 灿 曹公望 王振尧 (317)

大气条件下 AlCrON 基光谱选择性吸收涂层的热稳定性王晓波 王墉哲 程旭东 蒋 蓉 (327)

690 MPa 级高强韧低碳微合金建筑结构钢设计及性能

.....朱雯婷 崔君军 陈振业 冯 阳 赵 阳 陈礼清 (340)

AA 7055 铝合金时效析出强化模型陈军洲 吕良星 甄 良 戴圣龙 (353)

GH4169 合金与 S31042 钢线性摩擦焊接头组织及力学性能

.....李彦默 郭小辉 陈 斌 李培跃 郭倩颖 丁 然 余黎明 苏 宇 李文亚 (363)

基于第一性原理的金属导热性能研究崔 洋 李寿航 应 韬 鲍 华 曾小勤 (375)

封面文章:316LN 不锈钢管状试样高温高压水的腐蚀疲劳行为

谭季波, 王 翔, 吴欣强等. 金属学报, 2021, 57: 309

期刊基本参数: CN21-1139/TG*1956*M*A4*128*ZH*P* ¥ 148.00* *11*2021-03

C O N T E N T S

Overview

- Defect Production, Evolution, and Thermal Recovery Mechanisms in Radiation Damaged Tungsten(257)
YI Xiaou, HAN Wentuo, LIU Pingping, FERRONI Francesco, ZHAN Qian, WAN Farong
- Research Status, Challenges, and Countermeasures of Biodegradable Zinc-Based Vascular Stents(272)
QIAN Yi, YUAN Guangyin
- Research Progress on Corrosion Behavior of Gaseous CO₂ Transportation Pipelines Containing Impurities(283)
LI Yuxing, LIU Xinghao, WANG Cailin, HU Qihui, WANG Jinghan, MA Hongtao, ZHANG Nan
- Present Analysis and Trend Prediction of Shape/Performance Collaborative Control for High-End Cold Rolling Foils(295)
YANG Lipo, ZHANG Hailong, ZHANG Yongshun

Research paper

- Corrosion Fatigue Behavior of 316LN Stainless Steel Hollow Specimen in High-Temperature Pressurized Water(309)
TAN Jibo, WANG Xiang, WU Xinqiang, HAN En-Hou
- Corrosion Behavior of Copper-Nickel Alloys Protected by BTA in Simulated Urban Atmosphere(317)
HUANG Songpeng, PENG Can, CAO Gongwang, WANG Zhenyao
- Thermal Stability of AlCrON-Based Solar Selective Absorbing Coating in Air(327)
WANG Xiaobo, WANG Yongzhe, CHENG Xudong, JIANG Rong
- Design and Performance of 690 MPa Grade Low-Carbon Microalloyed Construction Structural Steel with High Strength and Toughness(340)
ZHU Wenting, CUI Junjun, CHEN Zhenye, FENG Yang, ZHAO Yang, CHEN Liqing
- Precipitation Strengthening Model of AA 7055 Aluminium Alloy(353)
CHEN Junzhou, LV Liangxing, ZHEN Liang, DAI Shenglong
- Microstructure and Mechanical Properties of Linear Friction Welding Joint of GH4169 Alloy/S31042 Steel(363)
LI Yanmo, GUO Xiaohui, CHEN Bin, LI Peiyue, GUO Qianying, DING Ran, YU Liming, SU Yu, LI Wenya
- Research on the Thermal Conductivity of Metals Based on First Principles(375)
CUI Yang, LI Shouhang, YING Tao, BAO Hua, ZENG Xiaoqin

Cover paper: Corrosion Fatigue Behavior of 316LN Stainless Steel Hollow Specimen in High-Temperature Pressurized Water
TAN Jibo, WANG Xiang, WU Xinqiang, et al. Acta Metall. Sin., 2021, 57: 309