


介

名: 吕 : : 副 : 18724727389 : lyt8608@126.com 地址: 东 (J8)	
个人 介: 吕 , , 东 城人, 共产党员, 博 : 华东交 : 华东 (211) 博 : 上 交 (211&985)	
先 或: 合 与 ; 3D/4D 印 (制); 先 与 制 ; 先 制 - - 。	
况 (): 主 : (1) 加 合 劳 优化及 (51801115), 国 , 23 万, 2019.01-2021.12 (2) 下 合 劳 优化及 (ZR2018BEM005), 东 博 , 8 万, 2018.3-2020.12 (3) 劳 因 合 伤 (2020M671112), 中国博 后 上二 , 8 万, 2020.9-2023.9 参与 : (1) 国 (973 划)- 动力 位 制 , 一、 动力 件 劳 与 (2014CB046701), 418 万, 2014.1-2018.8 (2) 国 上, 于共 反 型 NiTi-Nb 可 制 及力 为 (51674167), 61 万, 2016.01-2019.12 (3) 国 , TiB2 合 与 化 (5188044187), 23 万, 2019.01-2021.12	
(、 专利、) [1] Yuting Lv , Bin Nie, Liqiang Wang, Hongzhi Cui, Lei Li, Rui Wang, Fuyan Lyu, Optimal microstructures on fatigue properties of friction stir processed NiAl bronze alloy and its resistant fatigue crack growth mechanism, Materials Science and Engineering: A. 2020, 771. [2] Yuting Lv , Yang Ding, Hongzhi Cui, Guohao Liu, Binghao Wang, Lianmin Cao , Lei Li, Zhenbo Qin, Weijie Lu Investigation of microscopic residual stress and its effects on stress corrosion behavior of NiAl bronze alloy using in situ neutron diffraction/EBSD/tensile corrosion experiment, Materials Characterization, 2020, 164: 110351 [3] Yuting Lv , Bingjie Zhao, Hongbin Zhang, Chunjian Su, Bin Nie, Rui Wang, Lianmin Cao, Fuyan Lyu, Improving Corrosion Resistance Properties of Nickel-Aluminum Bronze (NAB) Alloys via Shot Peening Treatment, Materials	

Transactions. 2019, 60: 1629-1637.

[4] **Yuting Lv**, Zihao Ding, Xueyan Sun, Lei Li, Gang Sha, Rui Liu, Liqiang Wang, Gradient Microstructures and Mechanical Properties of Ti-6Al-4V/Zn Composite Prepared by Friction Stir Processing, *Materials*. 2019, 12.

[5] **Yuting Lv**, Zihao Ding, Jing Xue, Gang Sha, Eryi Lu, Liqiang Wang, Weijie Lu, Chunjian Su, Lai-Chang Zhang, Deformation mechanisms in surface nano-crystallization of low elastic modulus Ti6Al4V/Zn composite during severe plastic deformation, *Scripta Materialia*. 2018, 157:142-147.

[6] Yang Ding, **Yuting Lv**, Bingjie Zhao, Yuanfei Han, Liqiang Wang, Weijie Lu Effects of microstructure on the stress corrosion cracking behavior of nickel-aluminum bronze alloy in 3.5% NaCl solution. *Materials Science and Engineering A*. 2018, 733(22): 361-37324.

[7] Bingjie Zhao, **Yuting Lv**, Yang Ding, Liqiang Wang, Weijie Lu, The grain refinement mechanisms of various phases in shot-peened Nickel-Aluminum bronze (NAB) alloy. *Materials Characterization*. 2018, 144: 77-85.

[8] Yang Ding, **Yuting Lv**, Bingjie Zhao, Yuanfei Han, Liqiang Wang, Weijie Lu. Response relationship between loading condition and corrosion fatigue behavior of nickel-aluminum bronze alloy and its crack tip damage mechanism. *Materials Characterization*. 2018, 144: 356-367.

[9] Chenyuan Zhu, **Yuting Lv** (共同一作), Chao Qian, Zihao Ding, Ting Jiao, Xiaoyu Gu, Eryi Lu, Liqiang Wang, Fuqiang Zhang, Microstructures, mechanical, and biological properties of a novel Ti-6V-4V/zinc surface nanocomposite prepared by friction stir processing, *International Journal of Nanomedicine*. 2018, 13: 1881-1898.

[10] **Yuting Lv**, Yang Ding, Yuanfei Han, Lai-Chang Zhang, Liqiang Wang, Weijie Lu. Effect of microstructures on fatigue crack growth behavior of Friction stir processed NiAl bronze alloy. *Metallurgical and Materials Transactions A*. 2017, 48A: 1121-1132.

[11] **Yuting Lv**, Yang Ding, Yuanfei Han, Lai-Chang Zhang, Liqiang Wang, Weijie Lu. Strengthening mechanism of friction stir processed and post heat treated NiAl bronze alloy: Effect of rotation rates. *Materials Science and Engineering A*. 2017, 685: 439-446.

[12] Liqiang Wang, Lechun Xie, **Yuting Lv**, Lai-Chang Zhang, Liangyu Chen, Qiang Meng, Jiao Qu, Di Zhang, Weijie Lu, Microstructure evolution and superelastic behavior in Ti-35Nb-2Ta-3Zr alloy processed by friction stir processing, *Acta Materialia*. 2017, 143: 214-226.

[13] Xiaoyan Xu, **Yuting Lv**, Meng Hu, Weijie Lu. Influence of Second Phases on Fatigue Crack Growth Behavior of Nickel Aluminum Bronze. *International Journal of Fatigue*. 2016, 82(3): 579-587.

[14] Chenyuan Zhu, **Yuting Lv** (共同一作), Chao Qian, Haixin Qian, Ting Jiao, liqiang wang, and Fuqiang Zhang. Proliferation and osteogenic differentiation of rat BMSCs on a novel Ti/SiC metal matrix nanocomposite modified by friction stir processing. *Scientific Reports*. doi: 10.1038/srep38875(2016).

[15] Xiaoyan Xu, Hong Wang, **Yuting Lv**, Weijie Lu, Guangai Sun, Investigation

on Deformation Behavior of Nickel Aluminum Bronze by Neutron Diffraction and Transmission Electron Microscopy. Metallurgical and Materials Transactions A. 2016, 47(5): 2081-2092.

[16] 吕 , , 严, 伟, 吕 . (NAB) 合
与 , 2016, 45(3): 815-820.

[17] **Yuting Lv**, Liqiang Wang, Xiaoyan Xu, Weijie Lu. Investigation of the microstructure and corrosion properties of friction stir processed cast NiAl bronze. Materials Transactions. 2015, 56(9): 1523-1529.

[18] **Yuting Lv**, Liqiang Wang, Xiaoyan Xu, Weijie Lu, Effect of post heat treatment on microstructure and micro-hardness of friction stir processed NiAl bronze (NAB) alloy. Metals. 2015, 5(3): 1695-1703.

[19] **Yuting Lv**, Liqiang Wang, Yuanfei Han, Xiaoyan Xu, Weijie Lu. Investigation of microstructure and mechanical properties of hot worked NiAl bronze alloy with different deformation degree. Materials Science and Engineering A. 2015, 643(3): 17-24.

[20] **Yuting Lv**, Meng Hu, Liqiang Wang, Xiaoyan Xu, Weijie Lu. Effect of microstructure on the fatigue crack propagation rate of heat treated NiAl bronze alloy. Journal of materials research. 2015, 30(0): 3041-3048.

发 专利:

【1】 一 制 , 吕 , 吕 , , 严, 伟;
专利号: ZL201410541694. X

【2】 一 劳 合 制 , 吕 , , 刘国
, , , 吕 , 专利号: ZL201910347096.1

号:

上 交 优 业 (2017)