网站个人信息

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| 个人信息 | 鲁翠媛，博士，赣鄱俊才支持计划-高层次和急需紧缺海外人才项目获得者。主持江西省自然科学基金（青年基金）1项。主要开展选区激光熔化质量控制与优化的研究，在相关领域期刊Virtual and Physical Prototyping、Rapid Prototyping Journal、Journal of Cleaner Production、The International Journal of Advanced Manufacturing Technology发表了多篇SCI文章。 |
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| 科研项目 | 江西省自然科学基金：增材制造IN718合金孔隙和织构的多工艺参数影响行为及数据驱动预测 |
| 科研成果 | 代表性论文：(1) Lu, Cuiyuan, Xiaodong Jia, Jay Lee, and Jing Shi. “Knowledge Transfer Using Bayesian Learning for Predicting the Process-Property Relationship of Inconel Alloys Obtained by Laser Powder Bed Fusion.” Virtual and Physical Prototyping 17, no. 4 (2022): 787–805. doi:10.1080/17452759.2022.2068447.(2) Lu, Cuiyuan, and Jing Shi. "Simultaneous consideration of relative density, energy consumption, and build time for selective laser melting of Inconel 718: A multi-objective optimization study on process parameter selection." Journal of Cleaner Production 369 (2022): 133284. [doi.org/10.1016/j.jclepro.2022.133284](https://doi.org/10.1016/j.jclepro.2022.133284)(3) Lu, Cuiyuan, and Jing Shi. "Relative density prediction of additively manufactured Inconel 718: A study on genetic algorithm optimized neural network models." Rapid Prototyping Journal 28, no. 8 (2022): 1425-1436. [doi.org/10.1108/RPJ-09-2021-0249](https://doi.org/10.1108/RPJ-09-2021-0249)(4) Lu, Cuiyuan, and Jing Shi. "Relative density and surface roughness prediction for Inconel 718 by selective laser melting: central composite design and multi-objective optimization." The International Journal of Advanced Manufacturing Technology (2022): 1-19. doi.org/10.1007/s00170-021-08388-2(5) Lu, Cuiyuan, Jing Shi, and Varad Maitra. "Modelling and process optimization for relative density of Ti6Al4V produced by selective laser melting: a data-driven study." The International Journal of Advanced Manufacturing Technology 121, no. 3 (2022): 1973-1988. doi.org/10.1007/s00170-022-09453-0 |