

Evaluation of fatigue crack growth rates and fracture toughness in a selective laser-melted Ti-5.6Al-3.8V alloy with optimized microstructure after heat treatment

He, Yuqi; Zhao, Kexin; Zhang, Ying; Prashanth, Konda Gokuldoss; Ye, Zimeng; Yu, Zerong; Zhang, Fengying Materials science and engineering : A 2025 / art. 147822 <https://doi.org/10.1016/j.msea.2025.147822>

Microstructure and metastable phase formation of Mo-added Ti6Al4V alloys under laser micro-alloying

Ye, Zimeng; Yu, Zerong; Zhao, Kexin; Prashanth, Konda Gokuldoss; Sun, Zhiping; Zeng, Dejun; Zhang, Hengxin; Liu, Sizhe; Zhang, Fengying Journal of materials research and technology 2025 / p. 785-795 <https://doi.org/10.1016/j.jmrt.2025.06.072>

Understanding the solute segregation and redistribution behavior in rapidly solidified binary Ti-X alloys fabricated through non-equilibrium laser processing

Ye, Zimeng; Zhao, Kexin; Yu, Zerong; Prashanth, Konda Gokuldoss; Zhang, Fengying; He, Yuqi; Peng, Yijie; Wu, Wenlu; Tan, Hua Additive Manufacturing 2024 / art. 104561 <https://doi.org/10.1016/j.addma.2024.104561>