

Circumventing Solidification Cracking Susceptibility in Al–Cu Alloys Prepared by Laser Powder Bed Fusion

Xi, Lixia; Lu, Qiuyang; Gu, Dongdong; Cao, Shaoting; Zhang, Han; Kaban, Ivan; Sarac, Baran; **Prashanth, Konda Gokuldoss**; Eckert, Jürgen 3D Printing and Additive Manufacturing 2024 / p. E731 - E742 <https://doi.org/10.1089/3dp.2022.0207> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of nanoparticles on morphology and size of primary silicon and property of selective laser melted Al-high Si content alloys

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Interfacial structure and wear properties of selective laser melted Ti/(TiC+TiN) composites with high content of reinforcements

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Microstructure formation and mechanical performance of micro-nanoscale ceramic reinforced aluminum matrix composites manufactured by laser powder bed fusion

Xi, Lixia; Feng, Lili; Gu, Dongdong; **Prashanth, Konda Gokuldoss**; Kaban, Ivan; Wang, Ruiqi; Xiong, Ke; Sarac, Baran; Eckert, Jürgen Journal of alloys and compounds 2023 / art. 168803 <https://doi.org/10.1016/j.jallcom.2023.168803> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synergistic strengthening mechanisms of dual-phase (TiN+AlN) reinforced aluminum matrix composites prepared by laser powder bed fusion

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ZrC+TiC synergically reinforced metal matrix composites with micro/nanoscale reinforcements prepared by laser powder bed fusion

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