

Additive manufacturing of high-entropy alloys

Karimi, Javad; Kamboj, Nikhil Kumar; Prashanth, Konda Gokuldoss Tartu Ülikooli ASTRA projekt PER ASPERA :

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Characterization of gas-atomized equiatomic AlCoCrFeNi powder for additive manufacturing

Karimi, Javad; Kollo, Lauri; Prashanth, Konda Gokuldoss Metallurgical and materials transactions A : Physical metallurgy and materials science 2023 / p. 3417-3424 : ill <https://doi.org/10.1007/s11661-023-07129-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of the microstructures and mechanical properties of Ti6Al4V fabricated by electron beam melting, spark plasma sintering, and selective laser remelting

Karimi, Javad; Prashanth, Konda Gokuldoss GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 39 <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Effect of wear debris entrapment on the tribological performance of AlCoCrFeNi produced by selective laser melting or spark plasma sintering

Karimi, Javad; Antonov, Maksim; Prashanth, Konda Gokuldoss Metallurgical and materials transactions A : Physical metallurgy and materials science 2022 / p. 4004-4010 <https://doi.org/10.1007/s11661-022-06805-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fabrication of localized diamond-filled copper structures via selective laser melting and spark plasma sintering

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Influence of substructures on the selective laser melted Ti-6Al-4V alloy as a function of laser re-melting

Karimi, Javad; Xie, Meishen; Wang, Zhi; Prashanth, Konda Gokuldoss Journal of manufacturing processes 2021 / p. 1387-1394 <https://doi.org/10.1016/j.jmapro.2021.06.059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Linear patterning of high entropy alloy by additive manufacturing

Karimi, Javad; Ma, P.; Ji, Y.D.; Prashanth, Konda Gokuldoss Manufacturing letters 2020 / p. 9-13 : ill <https://doi.org/10.1016/j.mfglet.2020.03.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Massive transformation in dual-laser powder bed fusion of Ti6Al4V alloys

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Microstructural homogenisation of selective laser melted Ti6Al4V and CoCrFeMnNi high-entropy alloys = Selektiivse lasersulatuse teel valmistatud Ti6Al4V ja kõrgentroopse CoCrFeMnNi sulamite mikrostruktuuri homogeniseerimine

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Microstructure and mechanical properties of HEA alloys fabricated by selective laser melting of powder mixtures

Karimi, Javad; Prashanth, Konda Gokuldoss GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 24 https://fntdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Role of laser remelting and heat treatment in mechanical and tribological properties of selective laser melted Ti6Al4V alloy

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Selective laser melting of in-situ CoCrFeMnNi high entropy alloy : effect of remelting

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Selective laser melting of Ti6Al4V : effect of laser re-melting

Karimi, Javad; Suryanarayana, Challapalli; Okulov, Ilya; Prashanth, Konda Gokuldoss Materials Science and Engineering : A 2021 / art. 140558 <https://doi.org/10.1016/j.msea.2020.140558> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting of Ti6Al4V : effect of remelting

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Tailoring anisotropy and heterogeneity of selective laser melted Ti6Al4V alloys

