

Crack formation and control in an AlCoCrFeNi high entropy alloy fabricated by selective laser melting

Wei, Shuimiao; Ma, Pan; Fang, Yacheng; Zhang, Zhiyu; Yang, Zhilu; Shi, Xuerong; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. E628 - E637 <https://doi.org/10.1089/3dp.2022.0142> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electron beam melting of (FeCoNi)₈₆Al₇Ti₇ high-entropy alloy

Peng, Cong; Jia, Yandong; Liang, Jian; Xu, Long; Wang, Gang; Mu, Yongkun; Sun, Kang; Ma, Pan; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 170752 <https://doi.org/10.1016/j.jallcom.2023.170752> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evolution of microstructure and mechanical properties of LM25–HEA composite processed through stir casting with a bottom pouring system

Chinababu, Mekala; Krishna, Nandivelegu Naga; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss**; Bhaskara, Eluri Materials 2022 / art. 230 <https://doi.org/10.3390/ma15010230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure evolution and tensile property of high entropy alloy particle reinforced 316 L stainless steel matrix composites fabricated by laser powder bed fusion

Zhang, Xinqi; Yang, Dongye; Jia, Yandong; Wang, Gang; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171430 <https://doi.org/10.1016/j.jallcom.2023.171430> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting of AlCoCrFeMnNi high entropy alloy : effect of heat treatment

Fang, Yacheng; Ma, Pan; Wei, Shuimiao; Zhang, Zhiyu; Yang, Dongye; Yang, Hong; Wan, Shiguang; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of materials research and technology 2023 / p. 7845-7856 <https://doi.org/10.1016/j.jmrt.2023.09.121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Karimi, Javad; Kollo, Lauri; Rahmani Ahranjani, Ramin; Ma, Pan; Jia, Yandong; **Prashanth, Konda Gokuldoss** Journal of Manufacturing Processes 2022 / p. 55-63 <https://doi.org/10.1016/j.jmapro.2022.09.056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solution combustion synthesis of MnFeCoNiCu and (MnFeCoNiCu)₃O₄ high entropy materials and sintering thereof

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Subtle change in the work hardening behavior of fcc materials processed by selective laser melting

Sokkalingam, Rathinavelu; Sivaprasad, Katakam; **Singh, Neera**; Muthupandi, Veerappan; Ma, Pan; Jia, Yandong; **Prashanth, Konda Gokuldoss** Progress in additive manufacturing 2022 / p. 453-461 <https://doi.org/10.1007/s40964-022-00301-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Unusual deformation substructure and strain hardening in an additively manufactured CoCrFeMnNi high entropy alloy under high-velocity impact loading

Chen, Hongyu; Yang, Xiaofeng; Gu, Dongdong; Liu, Yang; Yang, Shengze; Chen, Xiyu; Kosiba, Konrad; Chen, Yufei; Du, Junhang; **Prashanth, Konda Gokuldoss** Journal of Material Science and Technology 2025 / p. 35-51 <https://doi.org/10.1016/j.jmst.2025.02.087>