

Bioactive ceramic scaffolds for bone tissue engineering by powder bed selective laser processing : a review

Kamboj, Nikhil Kumar; Ressler, Antonia; **Hussainova, Irina** Materials 2021 / art. 5338 <https://doi.org/10.3390/ma14185338> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydrogen effects in equiatomic CrFeNiMn alloy fabricated by laser powder bed fusion

Yang, Xuan; Yagodzinskyy, Yuriy; Ge, Yanling; Lu, Eryang; Lehtonen, Joonas; **Kollo, Lauri**; Hannula, Simo-Pekka Metals 2021 / art. 872 <https://doi.org/10.3390/met11060872> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Laser additive manufacturing of nano-TiC particles reinforced CoCrFeMnNi high-entropy alloy matrix composites with high strength and ductility

Chen, Hongyi; Lu, Twen; **Prashanth, Konda Gokuldoss**; Kosiba, Konrad Materials Science and Engineering : A 2022 / art. 142512 <https://doi.org/10.1016/j.msea.2021.142512> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Laser powder bed fusion of WC-Ni cermets : microstructural, phase and mechanical studies

Singh, Shalini; Meszaros, Kimberley; Narayanan, Jinoop Arackal; Dehgahi, Shirin; **Prashanth, Konda Gokuldoss**; Qureshi, Ahmed Jawad Tungsten 2025 <https://doi.org/10.1007/s42864-025-00329-w>

A novel crack-free Ti-modified Mo alloy designed for laser powder bed fusion

Zhang, Cheng; Wang, Pei; Liu, C. Y.; Liu, Zhiyuan; Wu, Mingwei; Gao, X. H.; Li, M. H.; Yang, Chao; **Prashanth, Konda Gokuldoss**; Chen, Zhangwei Journal of alloys and compounds 2022 / art. 164802 <https://doi.org/10.1016/j.jallcom.2022.164802> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Parametric study on in situ Laser powder bed fusion of Mo(Si_{1-x}Al_x)₂

Minasyan, Tatevik; **Aydinyan, Sofiya**; Toyserkani, Ehsan; **Hussainova, Irina** Materials 2020 / art. 4849, 17 p. : ill <https://doi.org/10.3390/ma13214849> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting and spark plasma sintering: a perspective on functional biomaterials

Rahmani Ahranjani, Ramin; Lopes, Sergio Ivan; **Prashanth, Konda Gokuldoss** Journal of functional biomaterials 2023 / art. 521, 33 p. : ill <https://doi.org/10.3390/jfb14100521> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sliding Wear and Debris Evolution in LPBFed Ceramic-Reinforced Steel Composites Under Variable Loads and Temperatures

Maurya, Himanshu Singh; Kumar, Rahul, 1993-; Subramaniam, Anand Kumar; **Tarraste, Marek**; **Hussain, Abrar**; Rahmani Ahranjani, Ramin; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Materials Chemistry and Physics 2025 / art. 131195 <https://doi.org/10.1016/j.matchemphys.2025.131195>

Strong and ductile titanium via additive manufacturing under a reactive atmosphere

Dong, Yangping; Wang, Dawei; Li, Qizhen; Luo, Xiaoping; Zhang, Jian; **Prashanth, Konda Gokuldoss**; Wang, Pei; Eckert, Jürgen; Mädler, Lutz; Okulov, Ilya V.; Yan, Ming Materials today advances 2023 / art. 100347 <https://doi.org/10.1016/j.mtadv.2023.100347> [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>