

Additive manufacturing : alloy design and process innovations

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Additive manufacturing : alloy design and process innovations

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Additive manufacturing and allied technologies

Sivaprasad, Katakam; Ramesh Babu, Amarapuram; **Prashanth, Konda Gokuldoss** Transactions of the Indian Institute of Metals 2023 / p. 269 <https://doi.org/10.1007/s12666-023-02892-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Additive manufacturing and allied technologies

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Additive manufacturing of a martensitic Co–Cr–Mo alloy : Towards circumventing the strength–ductility trade-off

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Additive manufacturing of aluminum-based metal matrix composites - a review

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Additive manufacturing of CMCs with bimodal microstructure

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Additive manufacturing of CoCrFeMnNi high-entropy alloy/AISI 316L stainless steel bimetallic structures

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Additive manufacturing of cryogenic chemically complex alloys with sponge bone-like reticular nanoscale superstructure

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Biomorphic porous Ti6Al4V gyroid scaffolds for bone implant applications fabricated by selective laser melting

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Selective laser melting: materials and applications

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

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Solidification of Al-xCu alloy under high pressures

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Spark plasma sintering of Ti6Al4V metal matrix composites: Microstructure, mechanical and corrosion properties

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Strong and ductile titanium via additive manufacturing under a reactive atmosphere

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

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

Wang, Ruiqi; Xi, Lixia; Feng, Lili; Sarac, Baran; **Prashanth, Konda Gokuldoss**; Eckert, Jürgen; Gu, Dongdong 3D printing and additive manufacturing 2024 / p. 907-918 <https://doi.org/10.1089/3dp.2023.0004>

Synthesis of porous bio-ceramic (Silicon and Calcium silicate) implants by selective laser melting for local delivery of Vancomycin

Kamboj, Nikhil Kumar; Hussainova, Irina; Rodriguez Barbero, M. A.; Rodrigo, S.; **Prashanth, Konda Gokuldoss** 43rd International Conference & Exposition on Advanced Ceramics and Composites : abstract book 2019 / p. 190 https://ceramics.org/wp-content/uploads/2018/09/ICACC19_Abstracts_WebFinal.pdf

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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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Tungsten matrix composite reinforced with CoCrFeMnNi high-entropy alloy : impact of processing routes on microstructure and mechanical properties

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Wear and corrosion resistance of a laser powder bed fused AZ91D magnesium matrix composite with TiC reinforcement

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