

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

Hameed, Pearlin; Liu, Chia-Fei; Ummethala, Raghunandan; Singh, Neera; Huang, Her-Hsiung; Manivasagam, Geetha; **Prashanth, Konda Gokuldoss** Progress in additive manufacturing 2021 / p. 455–469 : ill <https://doi.org/10.1007/s40964-021-00210-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Competition between densification and microstructure of functional materials by Selective Laser Melting

Singh, Neera; Ummethala, Raghunandan; Hameed, Pearlin; Sokkalingam, Rathinavelu; **Prashanth, Konda Gokuldoss** Material design & processing communications 2020 / art. e146, 7 p. : ill <https://doi.org/10.1002/mdp2.146> [Journal metrics at Scopus](#) [Article at Scopus](#)

Deformation mechanism studies by varying height to diameter ratio of Al-Mg and Al-Mg-C metal matrix composites

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Effect of ceramic reinforcement on the microstructural, mechanical and tribological behavior of Al-Cu alloy metal matrix composite

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Effect of TiB₂ addition on the mechanical and biological response of spark plasma sintered Ti6Al7Nb matrix composites

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Formation of fine Mg₂Si phase in Mg–Si alloy via solid-state sintering using high energy ball milling

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In situ production of low-modulus Ti-Nb alloys by selective laser melting and their functional assessment toward orthopedic applications

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In vitro corrosion behavior of selective laser melted Ti-35Nb-7Zr-5Ta

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Microstructure, wear and corrosion characteristics of Cu matrix reinforced SiC–graphite hybrid composites

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Phase, microstructure, and wear behavior of Al₂O₃-reinforced Fe–Si alloy-based metal matrix nanocomposites

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Recent developments on wear and corrosion behavior of iron/iron–nickel metal matrix composites reinforced with zirconia

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Selective laser melting of aluminum and its alloys

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Selective laser melting of high-strength, low-modulus Ti–35Nb–7Zr–5Ta alloy

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

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

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Ti6Al7Nb-based TiB-reinforced composites by selective laser melting

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Ti6Al7Nb–TiB nanocomposites for ortho-implant applications

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γ and α -(Fe, Ni) phase characterization using image processing and effect of phase formation on the P/M Fe(100–x)Ni(x) alloys properties

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