

Additive manufacturing of TiC-based cermets : a detailed comparison with spark plasma sintered samples

Maurya, Himanshu Singh; Jayaraj, Jayamani; Vikram, Raja Jothi; **Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 170436 <https://doi.org/10.1016/j.jallcom.2023.170436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Aluminum matrix composites reinforced with metallic glass particles with core-shell structure

Guana, H.D.; Lia, C.J.; Gaoa, P.; **Prashanth, Konda Gokuldoss** Materials science and engineering : A 2020 / art. 138630, 5 p. : ill <https://doi.org/10.1016/j.msea.2019.138630> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of mechanical and antibacterial properties of TiO₂/Ag ceramics and Ti6Al4V-TiO₂/Ag composite materials using combined SLM-SPS techniques

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Densification and characterization of spark plasma sintered ZrC–ZrO₂ composites

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Effect of Grain Size Distribution on Frictional Wear and Corrosion Properties of (FeCoNi)₈₆Al₇Ti₇ High-Entropy Alloys

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Effect of HBN on wear of AlCrN-coated spark plasma - sintered TiB₂/Ti composites at temperatures up to 900°C

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

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From scrap to product : the effect of recycled tungsten carbide and alumina content on the mechanical properties of oxide-carbide duplex ceramic composite

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High strength Ti-6Al-4V alloy fabricated by high-energy cube milling using calcium as process control agent (PCA) and spark plasma sintering

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High virucidal potential of novel ceramic-metal composites fabricated via hybrid selective laser melting and spark plasma sintering routes

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High-temperature wear performance of hBN-added Ni-W composites produced from combustion-synthesized powders

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Hybrid graphene/alumina nanofibers for electroconductive zirconia

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Hybrid metal-ceramic biomaterials fabricated through powder bed fusion and powder metallurgy for improved impact resistance of craniofacial implants

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Influence of microstructure and strengthening mechanism of AlMg5-Al₂O₃ nanocomposites prepared via spark plasma sintering

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Mechanical behavior of Ti6Al4V scaffolds filled with CaSiO₃ for implant applications

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Novel pathway for the combustion synthesis and consolidation of boron carbide

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Oxidation of spark plasma sintered ZrC-Mo and ZrC-TiC composites

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Sintering routes for zirconia doped hardmetals

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The effect of spark plasma sintering thermal cycle on behaviour of Fe-based hardfacings reinforced with WC and WC-based hardmetal

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The influence of processing parameters on mechanical properties of spark plasma sintered chromium carbide based cermets

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Ultra high-pressure spark plasma sintered ZrC-Mo and ZrC-TiC composites

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Vibration-assisted sputter coating of cenospheres : a new approach for realizing Cu-based metal matrix syntactic foams

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YSZ-rGO composite ceramics by spark plasma sintering : the relation between thermal evolution of conductivity, microstructure and phase stability

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