Combustion synthesis of nanoscale boron and silicon carbides
Zakaryan, Marieta; Amirkhanyan, Narine; Kirakosyan, Hasmik; Zurnachyan, Alina; **Aydinyan, Sofiya** CIMTEC 2022 : 15th International Ceramics Congress (June 20-24) CIMTEC 2022 : 9th Forum on New Materials (June 25-29) 2022 http://2022.cimtec-congress.org/focused-session-ca-11_1

Effect of HBN on wear of AlCrN-coated spark plasma - sintered TiB2/Ti composites at temperatures up to 900°C
Luszcz, Maciej; Michalczewski, Remigiusz; Kalbarczyk, Marek; Osuch-Słomka, Edyta; Molenda, Jaroslaw; **Liu, Le**; **Antonov, Maksim**; **Hussainova, Irina** Quarterly tribologia 2022 / p. 43-55 https://doi.org/10.5604/01.3001.0015.8756

Effect of TiB2 addition on the mechanical and biological response of spark plasma sintered Ti6Al7Nb matrix composites
Singh, Neera; Ummethala, Raghunandan; Surreddi, Kumar Babu; Jayaraj, Jayamani; **Sokkalingam, Rathinavelu**; Rajput, Monika; Chatterjee, Kaushik; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2022 / art. 166502
https://doi.org/10.1016/j.jallcom.2022.166502 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High virucidal potential of novel ceramic-metal composites fabricated via hybrid selective laser melting and spark plasma sintering routes
Rahmani Ahranjani, Ramin; Molan, Katja; Brojan, Miha; **Prashanth, Konda Gokuldoss**; Stopar, David The international journal of advanced manufacturing technology 2022 / p. 975-988 : ill https://doi.org/10.1007/s00170-022-08878-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hybrid metal-ceramic biomaterials fabricated through powder bed fusion and powder metallurgy for improved impact resistance of craniofacial implants
Rahmani Ahranjani, Ramin; **Kamboj, Nikhil Kumar**; Brojan, Miha; **Antonov, Maksim**; **Prashanth, Konda Gokuldoss** Materialia 2022 / art. 101465 https://doi.org/10.1016/j.mtla.2022.101465 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanical properties and microstructural evolution of Ti-25Nb-6Zr alloy fabricated by spark plasma sintering at different temperatures
Zhu, Qing; Chen, Peng; Xiao, Qiushuo; Li, Fengxian; Yi, Jianhong; **Prashanth, Konda Gokuldoss**; Eckert, Jürgen Metals 2022 / art. 1824 https://doi.org/10.3390/met12111824 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructural, mechanical, corrosion, and biological behavior of spark plasma sintered commercially pure zinc for biomedical applications
Yadav, Mayank Kumar; **Shukla, Riddhi Hirenkumar**; Praveenkumar, K.; Nilawar, Sagar; Perugu, Chandra Sekhar; Sellamuthu, Prabhukumar; Chatterjee, Kaushik; Suwas, Satyam; Jayaraj, Jayamani; **Prashanth, Konda Gokuldoss** Materials advances 2025
https://doi.org/10.1039/D5MA00092K

Nanosize nitride-based powders prepared by the plasma technique
Grabis, Janis International DAAAM : [DAAAM National Estonia] : proceedings of the 1st International Conference 25-27th September 1997, Tallinn, Estonia 1997 / p. 112-114: ill

Plasma transferred arc hardfacings reinforced by chromium carbide based cermet particles
Zikin, Arkadi; **Hussainova, Irina**; Winkelmann, Horst; **Kulu, Priit**; Badisch, Ewald International heat treatment and surface engineering 2012 / p. 88-92
https://www.researchgate.net/publication/227944686_Plasma_transferred_arc_hardfacings_reinforced_by_chromium_carbide_based_cermet_particles

Plasmatehnoloogia masinaehituses
Kulu, Priit Tehnika ja Tootmine 1989 / lk. 15-16 : joon., tab https://www.ester.ee/record=b1073047*est

Plasma-transferred arc-welded composite hardfacings with ZrB2 and TiC reinforcements
Melakh, Liudmyla; **Surzhenkov, Andrei**; **Juhani, Kristjan**; **Viljus, Mart**; **Traksmaa, Rainer**; Vedel, Dmytro Proceedings of the Estonian Academy of Sciences 2025 / p. 165-169 https://doi.org/10.3176/proc.2025.2.15

Simulation and experimental studies of particles velocity under LLPS
Ilyuschenko, A.; Ivashko, V.; Okovity, V.; Kundas, S.; Kuzmenkov, A.; Gurevitch, V. International DAAAM : [DAAAM National Estonia] : proceedings of the 1st International Conference 25-27th September 1997, Tallinn, Estonia 1997 / p. 119-122: ill

Solution combustion synthesis and spark plasma sintering of magnetic high entropy materials
Kirakosyan, Hasmik; Sargsyan, Armen; **Aydinyan, Sofiya**; Kharatyan, Suren CIMTEC 2022 : 15th International Ceramics Congress (June 20-24) CIMTEC 2022 : 9th Forum on New Materials (June 25-29) 2022 http://2022.cimtec-congress.org/focused-session-ca-11_1

Wear protection of highly loaded components: advantages of plasma transferred arc welding as hardfacing technology
Katsich, Christian; **Zikin, Arkadi**; Badisch, Ewald Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 639-644 : ill

Исследование процесса напыления и свойств износостойких порошковых покрытий, полученных методом импульсного плазменного напыления
Гасин Д.А.; Кораблева И.Р. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 47-48

Керамические плазменные покрытия с повышенными физико-механическими свойствами
Гросс Ю.; Клявиньш А. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 54-55

Технология и оборудование для нанесения порошковых плазменных покрытий
Клявиньш А.; Пиладзис А. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 56-57