**Comparative study of microstructure and mechanical properties of Mg/B4C composites: Influence of sintering method and temperature**
Ghasali, Ehsan; **Kariminejad, Arash**; Raza, Saleem; Orooji, Yasin; Paimard, Giti; Babenko, Andrii; Jie, Li; Ebadzadeh, Touradj Materials chemistry and physics 2024 / art. 129876 https://doi.org/10.1016/j.matchemphys.2024.129876

**Comparison of the wear and frictional properties of Cu matrix composites prepared by pulsed electric current sintering**
Ritasalo, Riina; **Antonov, Maksim**; **Veinthal, Renno**; Hannula, Simo-Pekka Proceedings of the Estonian Academy of Sciences 2014 / p. 62-74 : ill https://artiklid.elnet.ee/record=b2665219*est https://doi.org/10.3176/proc.2014.1.09 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Densification of the eggshell powder by spark plasma sintering**
**Shukla, Riddhi Hirenkumar**; Sokkalingam, Rathinavelu; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171079 https://doi.org/10.1016/j.jallcom.2023.171079 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Erosive wear of spark plasma sintered Al2O3 - cBN ceramic composites**
**Kariminejad, Arash**; **Kumar, Rahul**; **Antonov, Maksim**; **Hussainova, Irina**; Klimczyk, Piotr Diamond and Related Materials 2025 / art. 112328 https://doi.org/10.1016/j.diamond.2025.112328

**Hot sliding wear of 88 wt.%TiB-Ti composites from SHS produced powders**
**Kumar, Rahul, 1993-**; **Liu, Le**; **Antonov, Maksim**; **Ivanov, Roman**; **Hussainova, Irina** Materials 2021 / art. 1242, 14 p.: ill https://doi.org/10.3390/ma14051242 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Lightweight 3D printed Ti6Al4V-AlSi10Mg hybrid composite for impact resistance and armor piercing shielding**
**Rahmani Ahranjani, Ramin**; **Antonov, Maksim**; Brojan, Miha Journal of materials research and technology 2020 / p. 13842-13854 : ill https://doi.org/10.1016/j.jmrt.2020.09.108 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Microstructure and properties of in‖situ high entropy alloy/tungsten carbide composites by mechanical alloying**
Sokkalingam, Rathinavelu; **Tarraste, Marek**; Surreddi, Kumar Babu; **Traksmaa, Rainer**; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Material design & processing communications 2020 / 9 p. : ill https://doi.org/10.1002/mdp2.175 Journal metrics at Scopus Article at Scopus

**Microwave synthesis of B4C nanopowder for subsequent spark plasma sintering**
Davtyan, D.; Mnatsakanyan, R.A.; **Liu, Le**; **Aydinyan, Sofiya**; **Hussainova, Irina** Journal of materials research and technology 2019 / p. 5823-5832 : ill https://doi.org/10.1016/j.jmrt.2019.09.052 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Perspectives of metal-diamond composites additive manufacturing using SLM-SPS and other techniques for increased wear-impact resistance**
**Rahmani Ahranjani, Ramin**; Brojan, Miha; **Antonov, Maksim**; **Prashanth, Konda Gokuldoss** International journal of refractory metals and hard materials 2020 / art. 105192, 13 p. : ill https://doi.org/10.1016/j.ijrmhm.2020.105192 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Powder metallurgy of Al0.1CoCrFeNi high-entropy alloy**
Sokkalingam, Rathinavelu; **Tarraste, Marek**; Surreddi, Kumar Babu; **Mikli, Valdek**; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of materials research 2020 / p. 2835−2847 https://doi.org/10.1557/jmr.2020.272 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Sintering of silicon carbide obtained by combustion synthesis**
Amirkhanyan, Narine; Kirakosyan, Hasmik; Zakaryan, Marieta; Zurnachyan, Alina; Rodriguez, Miguel Angel; Abovyan, L.; **Aydinyan, Sofiya** Ceramics international 2023 / p. 26129-26134 https://doi.org/10.1016/j.ceramint.2023.04.233 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Spark plasma sintering of 13Ni-400 maraging steel: Enhancement of mechanical properties through surface modification**
Patil, Viraj Vishwas; **Prashanth, Konda Gokuldoss**; Mohanty, Chinmaya P. Journal of alloys and compounds 2023 / art. 170734 : ill https://doi.org/10.1016/j.jallcom.2023.170734 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Spark plasma sintering of Ti6Al4V metal matrix composites: Microstructure, mechanical and corrosion properties**
**Singh, Neera**; Ummethala, Raghunandan; Karamched, Phani S.; Sokkalingam, Rathinavelu; Gopal, Vasanth; Manivasagam, G.; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2021 / art. 158875, 10 p. : ill https://doi.org/10.1016/j.jallcom.2021.158875 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Superhard B4C-ReB2 composite by SPS of microwave synthesized nanopowders**
Mnatsakanyan, R.; Davtyan, D.; **Minasyan, Tatevik**; **Aydinyan, Sofiya**; **Hussainova, Irina** Materials letters 2021 / art. 129163, 5 p. : ill https://doi.org/10.1016/j.matlet.2020.129163 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The impact resistance of highly densified metal alloys manufactured from gas-atomized pre-alloyed powders**
**Rahmani Ahranjani, Ramin**; **Antonov, Maksim**; **Prashanth, Konda Gokuldoss** Coatings 2021 / art. 216, 14 p. : ill
https://doi.org/10.3390/coatings11020216 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS