

Additive manufacturing of Mo-Mo(x)S(x+1) functional structures : engineering and electrochemical applications = Lisandustehnoloogia teel valmistatud Mo-Mo(x)S(x+1) funktsionaalsed struktuurid inseneri- ja elektrokeemiliste rakendustele

Alinejadian, Navid 2022 <https://doi.org/10.23658/taltech.43/2022> <https://digikogu.taltech.ee/et/Item/636a0175-ae97-4a28-a2a1-c3b75c7c1eb6> https://www.ester.ee/record=b5511559*est

Additive manufacturing of TiC-based cermets with Fe-based binders using novel laser scan techniques = Titaankarbiidsete Fe-baasil sideainega kermiste valmistamine uudse laserskaneeriva kihtlisandustehnoloogia teel

Maurya, Himanshu Singh 2023 <https://doi.org/10.23658/taltech.61/2023> <https://digikogu.taltech.ee/et/Item/3dad7b12-4a7a-4c9d-8162-30388c52bf5e> https://www.ester.ee/record=b5645217*est

Atypical phase-change alloy Ga₂Te₃ : atomic structure, incipient nanotectonic nuclei, multilevel writing

Tverjanovich, Andrey; Khomenko, Maksym; Benmore, Chris; **Bereznev, Sergei**; Sokolov, Anton; Fontanari, Daniele; Kiselev, Aleksei; Lotin, Andrey; Bychkov, Eugene Journal of materials chemistry C 2021 / p. 17019-17032 <https://doi.org/10.1039/d1tc03850h> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cavitation-dispersion method for copper cementation from wastewater by iron powder

Shishkin, Andrei; Mironovs, Viktors; Vu, Hong; Novak, Pavel; **Baroninš, Janis**; Polyakov, Alexandr; Ozolins, Jurijs Metals 2018 / art. 920, 11 p. : ill <https://doi.org/10.3390/met8110920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combination of SLM-SPS approaches for tribological, antibacterial and biomaterial applications = Kombineeritud SLM-SPS meetod triboloogiliste, antibakteriaalsete ja biosobivate materjalide valmistamiseks

Rahmani Ahranjani, Ramin 2020 <https://digikogu.taltech.ee/et/Item/4cd6a755-29d9-4168-a281-a21edca6c729>

Comparative investigation of microstructure, mechanical properties and strengthening mechanisms of Al-12Si/TiB₂ fabricated by selective laser melting and hot pressing

Xi, L. X.; Zhang, H.; Wang, P.; Li, H.C.; **Prashanth, Konda Gokuldoss** Ceramics international 2018 / p. 17635-17642 : ill <https://doi.org/10.1016/j.ceramint.2018.06.225> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of solid lubricated composites for high-temperature tribological applications = Tahkmäärdega komposiitide väljatöötamine kõrgtemperatuurseteks triborakendusteks

Kumar, Rahul, 1993- 2022 <https://doi.org/10.23658/taltech.75/2022> <https://digikogu.taltech.ee/et/Item/b117812c-4248-4542-ba39-fcbfe5349f4e> https://www.ester.ee/record=b5528171*est

The effect of build direction on the thermal conductivity of additively manufactured AIS10Mg and silicon-steel samples : [conference paper]

Sarap, Martin 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 29-30 : ill https://www.ester.ee/record=b5504019*est

Effect of hot isostatic pressing on cellular lattice structures obtained by selective laser melting [Electronic resource]

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Effect of Local Remelting and Recycled WC-Co Composite Reinforcement Size on Abrasive and Erosive Wear of Manual Arc Welded Hardfacings

Katinas, Egidijus; **Antonov, Maksim**; Jankauskas, Vytenis; **Goljandin, Dmitri** Coatings 2023 / art. 734

<https://doi.org/10.3390/coatings13040734> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of preheating and cooling of the powder bed by laser pulse shaping on the microstructure of the TiC based cermets

Maurya, Himanshu Singh; Kollo, Lauri; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss Ceramics

international 2022 / p. 20612-20618 <https://doi.org/10.1016/j.ceramint.2022.04.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of substrate plate heating on the microstructure and properties of selective laser melted Al-20Si-5Fe-3Cu-1Mg alloy

Ma, Pan; Ji, Pengcheng; Jia, Yandong; Shi, Xuerong; Yu, Zhishui; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 330

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Effect of the laser processing parameters on the selective laser melting of TiC-Fe-based cermets

Maurya, Himanshu Singh; Kollo, Lauri; Tarraste, Marek; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss

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Influence of substructures on the selective laser melted Ti-6Al-4V alloy as a function of laser re-melting

Karimi, Javad; Xie, Meishen; Wang, Zhi; Prashanth, Konda Gokuldoss Journal of manufacturing processes 2021 / p. 1387-1394

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Investigating the structure, microstructure, and texture in selective laser melted sterling silver 925

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Mechanisms controlling fracture toughness of additively manufactured stainless steel 316L

Kumar, Deepak; Jhavar, Suyog; Arya, Abhinav; Prashanth, Konda Gokuldoss; Suwas, Satyam International journal of fracture 2022 / p. 61-78 <https://doi.org/10.1007/s10704-021-00574-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructural evolution and mechanical properties of selective laser melted Ti-6Al-4V induced by annealing treatment

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Microstructural homogenisation of selective laser melted Ti6Al4V and CoCrFeMnNi high-entropy alloys = Selektiivse lasersulatuse teel valmistatud Ti6Al4V ja kõrgentroopse CoCrFeMnNi sulamite mikrostruktuuri homogeniseerimine

Karimi, Javad 2022 <https://doi.org/10.23658/taltech.52/2022> <https://digikogu.taltech.ee/et/Item/96573682-77a0-4fcb-b5df-b53cc9a3bfeb> https://www.ester.ee/record=b5511815*est

Microstructure and mechanical properties of HEA alloys fabricated by selective laser melting of powder mixtures

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MoSi₂-based composites by selective laser melting = Selektiivse lasersulatuse teel valmistatud MoSi₂ baasil komposiidid

Minasyan, Tatevik 2020 https://www.ester.ee/record=b5388072*est <https://digikogu.taltech.ee/et/Item/26aa1fe6-b853-43b8-887a-51b6efa0b5ef>

Revealing the impact of Hot Isostatic Pressing temperature on the microstructure and mechanical characteristics of Selective Laser Melted CuAlNiMn shape memory alloy

Singh, Shalini; Narayanan, Jinoop Arackal; Dehgahi, Shirin; Qureshi, A. J.; Palani, Iyamperumal Anand; Paul, Christ Prakash; Prashanth, Konda Gokuldoss Materials letters 2024 / art. 136452 <https://doi.org/10.1016/j.matlet.2024.136452> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Selective laser melting of Al-7Si-0.5 Mg-0.5Cu : effect of heat treatment on microstructure evolution, mechanical properties and wear resistance

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Selective laser melting of commercially pure molybdenum by laser rescanning

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Selective laser melting of commercially pure silicon

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Selective laser melting of Inconel 718 : effect of thermal treatment on mechanical properties

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Ti-B based composites by spark plasma sintering and selective laser melting = Sädepaagutus- ja selektiivse lasersulatuste tehnoloogia abil valmistatud Ti-B baasil komposiitmaterjalid

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