

Additive manufacturing : alloy design and process innovations

Prashanth, Konda Gokuldoss; Wang, Zhi Materials 2020 / art. 542, 2 p <https://doi.org/10.3390/ma13030542> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Additive manufacturing : alloy design and process innovations

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Additive manufacturing of a martensitic Co–Cr–Mo alloy : Towards circumventing the strength–ductility trade-off

Wang, Zhi; Tang, S.Y.; Scudino, Sergio; Ivanov, Y.P.; Qu, R.T.; Wang, D.; Yang, C.; Zhang, W.W.; Greer, A.L.; Eckert, Juergen H.; **Prashanth, Konda Gokuldoss** Additive Manufacturing 2021 / art. 101725 <https://doi.org/10.1016/j.addma.2020.101725> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Additive manufacturing of CoCrFeMnNi high-entropy alloy/AISI 316L stainless steel bimetallic structures

Sokkalingam, Rathinavelu; Chao, Zhao; Sivaprasad, Katakam; Muthupandi, Veerappan; Jayaraj, Jayamani; Ramasamy, Parthiban; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Advanced engineering materials 2023 / art. 2200341 <https://doi.org/10.1002/adem.202200341> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Additive manufacturing of cryogenic chemically complex alloys with sponge bone-like reticular nanoscale superstructure

Xie, Kaiqiang; Ma, Pan; Fang, Yacheng; Yang, Hong; Wan, Shiguang; Wu, Zhibin; **Shi, Jinqiang**; **Prashanth, Konda Gokuldoss**; Gargarella, Piter; Zhang, Lunyong Composites Part B : Engineering 2025 / art. 112786 <https://doi.org/10.1016/j.compositesb.2025.112786>

Additive manufacturing of high-entropy alloys

Karimi, Javad; **Kamboj, Nikhil Kumar**; **Prashanth, Konda Gokuldoss** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p <http://fmtdk.ut.ee/teesid-2019/>

AlCo-rich AlCoNiFe and AlCoNiFeCr high entropy alloys: Synthesis and interaction pathway at high heating rates

Nazaretyan, K.; **Aydinyan, Sofiya**; Kirakosyan, H.; Moskovskikh, D.; Nepapushev, A.; Kuskov, K.; Tumanyan, M.; Zargaryan, A.; **Traksmaa, Rainer**; **Kharatyan, S.** Journal of alloys and compounds 2023 / art. 167589, 13 p <https://doi.org/10.1016/j.jallcom.2022.167589> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Annealing of Al-Zn-Mg-Cu alloy at high pressures : evolution of microstructure and the corrosion behavior

Suo, Chuanjun; Ma, Pan; Jia, Yandong; Liu, Xiao; Shi, Xuerong; Yu, Zhishui; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 2076, 17 p. : ill <https://doi.org/10.3390/ma14082076> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Behaviour of tungsten alloy with iron and nickel under repeated high temperature plasma pulses

Laas, T.; Laas, K.; Paju, J.; **Priimets, Jaanis**; Tõkke, Siim; Väli, B.; **Shirokova, Veroonika**; **Antonov, Maksim**; Gribkov, V.A.; Demina, E.V.; Pimenov, V.N.; Paduch, M.; Matulka, R.; Akel, M. Fusion engineering and design 2020 / art. 111408 <https://doi.org/10.1016/j.fusengdes.2019.111408> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Calcium-aluminothermal production of niobium and utilization of wastes = Nioobiumi tootmine kaltsium-alumotermilisel meetodil ja jäätmete utiliseerimine

Gorkunov, Valeri 2008 <https://digi.lib.ttu.ee/i/?295> https://www.ester.ee/record=b2449478*est

Characterisation of ultrasonically sprayed InxSy buffer-layers for Cu(In,Ga)Se2 solar cells

Ernits, Kaia; Bremaud, D.; **Mellikov, Enn** Thin solid films 2007 / 15, p. 6051-6054 <https://www.sciencedirect.com/science/article/abs/pii/S0040609006016178>

Characterization of gas-atomized equiatomic AlCoCrFeNi powder for additive manufacturing

Karimi, Javad; **Kollo, Lauri**; **Prashanth, Konda Gokuldoss** Metallurgical and materials transactions A : Physical metallurgy and materials science 2023 / p. 3417-3424 : ill <https://doi.org/10.1007/s11661-023-07129-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of additively manufacturing samples fabricated from pre-alloyed and mechanically mixed powders

Zhao, Chao; Wang, Zhi; Li, Daoxi; Xie, Meishen; **Kollo, Lauri**; Luo, Zongqiang; Zhang, Weiwen; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 154603, 5 p. : ill <https://doi.org/10.1016/j.jallcom.2020.154603> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of the microstructures and mechanical properties of Ti6Al4V fabricated by electron beam melting, spark plasma sintering, and selective laser remelting

Karimi, Javad; **Prashanth, Konda Gokuldoss** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 39 <http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Competition between immiscibility GAP and supercooling during non-equilibrium processing of metallic materials

Aftab, Rabia; **Antonov, Maksim** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 11
<http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Contact reactions of titanium carbide with iron-base alloys

Panasjuk, A.; **Kübarsepp, Jakob**; Dzökovitš, I.; **Valdma, Leo** Soviet Powder Metallurgy and Metal Ceramics 1981 / p. 291-296
<https://doi.org/10.1007/BF00797271>

Cooling rate control combined with refractory Mo and/or V addition to enhance the mechanical properties of CoCrFeMnNi alloy

Gonzalez, Sergio; Garay-Reyes, Carlos Gamaliel; Martinez-Garcia, Alfredo; **Prashanth, Konda Gokuldoss**; Ruiz-Esparza-Rodriguez, Marco Antonio; Hurtado-Macias, Abel; Eckert, Juergen H.; Martinez-Sanchez, Roberto Journal of materials research and technology 2025 / p. 459-469 <https://doi.org/10.1016/j.jmrt.2025.03.074>

Corrosion resistance of sintered TiC-steel alloys

Kübarsepp, Jakob; **Valdma, Leo**; **Kallast, Vambola** Soviet Powder Metallurgy and Metal Ceramics 1980 / p. 293-294
<https://doi.org/10.1007/BF00797376>

Corrosive changes and chemical composition of the orthodontic archwires' surface during treatment

Petrov, Valeri G.; Terzieva, Stanimira D.; Lazarova, Tz I.; **Mikli, Valdek**; Andreeva, Laura A.; Stoyanova-Ivanova, Angelina K. Bulgarian Chemical Communications 2013 / p. 455 - 460
http://www.bcc.bas.bg/BCC_Volumes/Volume_45_Number_4_2013/Volume_45_Number_4_2013_PDF/BCC-45-4-2013_7.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

Crack formation and control in an AlCoCrFeNi high entropy alloy fabricated by selective laser melting

Wei, Shuimiao; Ma, Pan; Fang, Yacheng; Zhang, Zhiyu; Yang, Zhilu; Shi, Xuerong; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. E628 - E637 <https://doi.org/10.1089/3dp.2022.0142> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Creep and high temperature fatigue performance of as build selective laser melted Ti-based 6Al-4V titanium alloy

Viespoli, Luigi Mario; Bressan, Stefano; Itoh, Takamoto; Hiyoshi, Noritake; **Prashanth, Konda Gokuldoss**; Berto, Filippo Engineering failure analysis 2020 / art. 104477, 9 p. : ill <https://doi.org/10.1016/j.engfailanal.2020.104477> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Current suppressing effect in alloy metal and 6H-SiC substrate Schottky contacts

Rang, Toomas; Blum, Alfons BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 81-84: ill

Design of next generation alloys for additive manufacturing

Prashanth, Konda Gokuldoss Material design & processing communications 2019 / art. 1e50, 4 p. : ill
<https://doi.org/10.1002/mdp2.50>

Development of Cu-based shape memory alloy through selective laser melting from elemental powder mixture: Processing and characterization

Singh, Shalini; Palani, I. A.; Dehgahi, Shirin; Qureshi, A. J.; Jinoop, A. N.; Paul, C. P.; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171029 <https://doi.org/10.1016/j.jallcom.2023.171029> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Diffusion and phase transformation in SC superalloys aided by HCV deformation

Kommel, Lembit Abstracts of the XVI-th International Baltic Conference "Engineering Materials & Baltmattrib" : 2007, October 25-26, Riga, Latvia 2007 / p. 11

Diffusion and phase transformation influences on life extension of superalloys

Kommel, Lembit Book of abstracts of International Conference on Diffusion in Solids : Past, Present and Future : DiSo-05 : 23-27 May, Moscow, Russia 2005 / p. 28

Dissimilar welding of Al0.1CoCrFeNi high-entropy alloy and AISI304 stainless steel

Sokkalingam, Rathinavelu; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2019 / p. 2683-2694 : ill <https://doi.org/10.1557/jmr.2019.186> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Dissimilar welding of high-entropy alloy to Inconel 718 superalloy for structural applications

Sokkalingam, Rathinavelu; Pravallika, B; Sivaprasad, Katakam; Muthupandi, Veerappan; **Prashanth, Konda Gokuldoss** Journal of materials research 2022 / p. 272-283 <https://doi.org/10.1557/s43578-021-00352-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Editorial : Fundamentals and challenges of advanced amorphous and high-entropy alloys

Song, Kaikai; Huang, Yongjiang; Li, Ran; Qiao, Jichao; Wang, Zhi; **Prashanth, Konda Gokuldoss; Sopa, Daniel** *Frontiers in materials* 2022 / art. 874556, 3 p. : ill <https://doi.org/10.3389/fmats.2022.874556> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of electrolyte composition on the surface characteristics of plasma electrolytic oxidation coatings over Ti40Nb alloy

Lokeshkumar, E.; Premchand, C.; Palanivel, Manojkumar; Shishir, R.; Krishna, L. Rama; **Prashanth, Konda Gokuldoss;** Rameshbabu, Nagumothu *Surface and coatings technology* 2023 / art. 129591 <https://doi.org/10.1016/j.surfcoat.2023.129591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of EUF on evolution of microstructure and properties of advanced superalloys

Kommel, Lembit Abstracts of 3rd International Conference "Phase Transition and Strength of Crystals" : September 20-24, 2004, Chernogolovka, Russia 2004 / p. 81

Effect of FeNiCrBSiC-MeB₂ material composition on the oxidation behavior at high temperatures

Umanskyi, Oleksandr; Storozhenko, Maryna; Koshelev, M.; **Antonov, Maksim** *Powder metallurgy and metal ceramics* 2019 / p. 670-678 : ill <https://doi.org/10.1007/s11106-019-00030-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Sun, Qinhui; Ma, Pan; Yang, Hong; Xie, Kaiqiang; Wan, Shiguang; Sheng, Chunqi; Chen, Zhibo; Yang, Hongji; Jia, Yandong; **Prashanth, Konda Gokuldoss** *Entropy* 2025 / art. 747 <https://doi.org/10.3390/e27070747>

Effect of nanoparticles on morphology and size of primary silicon and property of selective laser melted Al-high Si content alloys

Xi, Lixia; Guo, Shuang; **Prashanth, Konda Gokuldoss; Sarac, Baran; Eckert, Jürgen** *Vacuum* 2021 / art. 110405 <https://doi.org/10.1016/j.vacuum.2021.110405> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of powder characteristic and aging treatment on the corrosion behavior of selective laser melted Al-20Si alloy

Ma, Pan; Zhang, Zhiyu; Ke, Yu; Yang, Shuhao; Deng, Kun; Cheng, Peng; Chen, Hongdian; **Prashanth, Konda Gokuldoss** *Transactions of the Indian Institute of Metals* 2022 / p. 2367-2377 <https://doi.org/10.1007/s12666-022-02548-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of process parameters on the properties of β -Ti-Nb-based alloys fabricated by selective laser melting: A review

Subramanian, Shangavi; Mohanty, Shalini; Prashanth, Konda Gokuldoss *Materials today: proceedings* 2023 <https://doi.org/10.1016/j.matpr.2023.03.461> [Journal metrics at Scopus](#) [Article at Scopus](#)

Effect of pulsed deuterium plasma irradiation on dual-phase tungsten medium-entropy alloys

Laas, Tõnu; Tõkke, Siim; Paju-Hamburg, Jana; Tarraste, Marek; Mikli, Valdek; **Antonov, Maksim; Priimets, Jaanis;** Czarkowski, Piotr; Miklaszewski, Ryszard; Paduch, Marian *Fusion engineering and design* 2025 / art. 115229 <https://doi.org/10.1016/j.fusengdes.2025.115229>

Effect of scanning strategy on microstructure and texture evolution in a selective laser melted Al-33Cu eutectic alloy

Vikram, R. J.; Gokulnath, S. A.; **Prashanth, Konda Gokuldoss;** Suwas, Satyam *Journal of alloys and compounds* 2023 / art. 168098, 10 p. : ill <https://doi.org/10.1016/j.jallcom.2022.168098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electron-beam welding of high-entropy alloy and stainless steel: microstructure and mechanical properties

Sokkalingam, Rathinavelu; Mastanaiah, P.; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** *Materials and manufacturing processes* 2020 / p. 1885-1894 <https://doi.org/10.1080/10426914.2020.1802045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Erosion wear behavior of HVOF-sprayed WC/Cr₃C₂-based cermet and martensitic stainless steel coatings on AlSi₇Mg_{0.3} alloy : a comparative study

Korobov, Yuri; **Antonov, Maksim;** Astafiev, Vladimir; Brodova, Irina; Kutaev, Vladimir; Estemirova, Svetlana; Devyatyarov, Mikhail; Okulov, Artem *Journal of manufacturing and materials processing* 2024 / art. 231 <https://doi.org/10.3390/jmmp8050231> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluating the microstructural formation in Mo added Ti₆Al₄V alloy fabricated by direct energy deposition using a laser-stop strategy

Ye, Z.; Yu, Z.; Gao, P.; **Prashanth, Konda Gokuldoss;** Zhang, F.; Zhao, K.; Tan, H. *Additive Manufacturing* 2024 / art. 104226 <https://doi.org/10.1016/j.addma.2024.104226> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of microstructure and properties of heat-proof superalloy enforced by electrical upsetting forging

Kommel, Lembit Деформация и разрушение материалов = Deformation and fracture of materials 2005 / 3, p. 21-27

Evolution of microstructure and mechanical properties of LM25-HEA composite processed through stir casting with a

bottom pouring system

Chinababu, Mekala; Krishna, Nandivelegu Naga; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss**; Bhaskara, Eluri Materials 2022 / art. 230 <https://doi.org/10.3390/ma15010230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evolution of microstructure and properties in Ti-alloys during rapid electrocontact heating with SPD

Kommel, Lembit; Peetsalu, Priidu; Veinthal, Renno Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 62-66 : ill <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10934528/>

Fabrication and microstructural analysis of didymium-iron-boron magnet alloys with cerium additions

Mural, Zorjana; Kolnes, Märt; Afshari, Hossein; Kollo, Lauri; Link, Joosep; **Veinthal, Renno** Proceedings of the Estonian Academy of Sciences 2016 / p. 166-171 : ill <https://doi.org/10.3176/proc.2016.2.02> https://artiklid.elnet.ee/record=b2768229*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Seth, Prem Prakash; **Singh, Neera**; Singh, Manoj; Prakash, Om; Kumar, Devendra Journal of alloys and compounds 2020 / art. 153205, 10 p. : ill <https://doi.org/10.1016/j.jallcom.2019.153205> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Frictional wear and corrosion behavior of AlCoCrFeNi high-entropy alloy coatings synthesized by atmospheric plasma spraying

Mu, Yongkun; Zhang, Liangbo; Xu, Long; **Prashanth, Konda Gokuldoss**; Zhang, Nizhen; Ma, Xindi; Jia, Yuefei; Xu, Yulai; Jia, Yandong; Wang, Gang Entropy 2020 / art. 740 <https://doi.org/10.3390/e22070740> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Grain boundary phase transformations in superalloys

Kommel, Lembit Book of abstracts of 10th International Symposium on Physics of Materials : ISPM10 : August 30 - September 2, 2005, Prague, Czech Republic 2005 / p. 30 https://www.researchgate.net/publication/281554675_Grain_boundary_phase_transformation_in_superalloys

Heat treatment and laser shock peening of AlSi10Mg alloy produced by selective laser melting : microstructure, hardness and residual stress analysis

Babalou, Reza; Azarbarmas, Morteza; **Prashanth, Konda Gokuldoss** Materials today communications 2025 / art. 112408 <https://doi.org/10.1016/j.mtcomm.2025.112408>

Hierarchical microstructures and strengthening mechanisms of nano-TiC reinforced CoCrFeMnNi high-entropy alloy composites prepared by laser powder bed fusion

Chen, Hongyu; Kosiba, Konrad; Lu, Twen; Yao, Ning; Liu, Yang; Wang, Yonggang; **Prashanth, Konda Gokuldoss**; Suryanarayana, Challapalli Journal of Materials Science & Technology 2023 / p. 245-259 : ill <https://doi.org/10.1016/j.jmst.2022.06.053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High temperature corrosion of martensite alloy under oil shale fly ash

Tallermo, Harri; Klevtsov, Ivan; Uus, M.; Crane, Roger Journal of pressure vessel technology 2001 / 3, p. 387-390

Hydrogen effects in equiatomic CrFeNiMn alloy fabricated by laser powder bed fusion

Yang, Xuan; Yagodzinsky, Yuriy; Ge, Yanling; Lu, Eryang; Lehtonen, Joonas; **Kollo, Lauri**; Hannula, Simo-Pekka Metals 2021 / art. 872 <https://doi.org/10.3390/met11060872> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In situ fabrication of TiC-NiCr cermets by selective laser melting

Aramian, Atefeh; Sadeghian, Zohreh; **Prashanth, Konda Gokuldoss**; Berto, Filippo International journal of refractory metals and hard materials 2020 / art. 105171, 8 p. : ill <https://doi.org/10.1016/j.ijrmhm.2019.105171> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Singh, Neera; Srikanth, K. P.; Gopal, Vasanth; Rajput, Monika; Manivasagam, Geetha; **Prashanth, Konda Gokuldoss** Journal of Materials Chemistry B 2024 / p. 5982-5993 : ill <https://doi.org/10.1039/D4TB00379A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of process parameters on the microstructure and properties of the TiC/Ti-alloy composites fabricated by the directed energy deposition process

Wang, Yongxia; Fan, Wei; Zhou, Fan; **Prashanth, Konda Gokuldoss**; Feng, Zhe; Zhang, Siyu; Tan, Hua; Lin, Xin Journal of materials research and technology 2025 / p. 164-174 <https://doi.org/10.1016/j.jmrt.2024.12.043>

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 <https://doi.org/10.1016/j.jmapro.2021.06.059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of the interlayer temperature on structure and properties of CMT wire arc additive manufactured NiTi structures
Singh, Shalini; Palani, Iyemperumal Anand; Dehgahi, Shirin; Paul, Christ Prakash; **Prashanth, Konda Gokuldoss**; Jawad Qureshi, Ahmed Jawad Journal of Alloys and Compounds 2023 / art. 171447, 10 p. <https://doi.org/10.1016/j.jallcom.2023.171447> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Joint reduction of NiO + WO₃ oxides by combined Mg/C reducer. Synergetic effect

Zakaryan, Marieta; Nazaretyan, K.; **Aydinyan, Sofiya**; Kharatyan, Suren XV International Symposium on Self-Propagating HighTemperature Synthesis, September 16-20, 2019 2019 / p. 546-548 : ill
http://www.ism.ac.ru/events/SHS2019/doc/abstract_shs2019.pdf

Kahekomponendilised olekudiagrammid : programmeeritud õppevahend

Pärnapuu, Arnold 1973 https://www.ester.ee/record=b1322788*est

Kahekomponendilised olekudiagrammid : programmeeritud õppevahend

Pärnapuu, Arnold 1968 https://www.ester.ee/record=b1345851*est <http://www.digar.ee/id/nlib-digar:647767>

Kinetic highlights of the reduction of silver tungstate by Mg + C combined reducer

Zakaryan, Marieta; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Metals 2022 / art. 1000
<https://doi.org/10.3390/met12061000> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Konstantaan

Tapupere, Olev Eesti entsüklopeedia. 5 1990 / lk. 13

Krüosulamid; Kulumiskindlad terased; Kuullaagriterased; Kuumuskindlus; Kuumuskindlad sulamid; Kuumuspüsiivad sulamid; Kuumustugevad sulamid; Kõrgtugev malm; Kõvasulamid; Legeersulam? [Legeerimine; Legeerteras]

Kulu, Priit Eesti entsüklopeedia. 5 1990 / lk. 171, 206, 255, 257, 286, 292, 465

Laser additive manufacturing of nano-TiC particles reinforced CoCrFeMnNi high-entropy alloy matrix composites with high strength and ductility

Chen, Hongyi; Lu, Twen; **Prashanth, Konda Gokuldoss**; Kosiba, Konrad Materials Science and Engineering : A 2022 / art. 142512
<https://doi.org/10.1016/j.msea.2021.142512> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Linear patterning of high entropy alloy by additive manufacturing

Karimi, Javad; Ma, P.; Ji, Y.D.; **Prashanth, Konda Gokuldoss** Manufacturing letters 2020 / p. 9-13 : ill
<https://doi.org/10.1016/j.mfglet.2020.03.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Machine learning assisted design of high-entropy alloys with ultra-high microhardness and unexpected low density

Zhao, Shunli; Jiang, Bin; Song, Kaikai; Liu, Xiaoming; Wang, Wenyu; Si, Dekun; Zhang, Jilei; Chen, Xiangyan; Zhou, Changshan; Liu, Pingping; Chen, Dong; Zhang, Zequn; Ramasamy, Parthiban; Tang, Junlei; Lv, Wenquan; **Prashanth, Konda Gokuldoss**; Sopu, Daniel; Eckert, Jürgen Materials & design 2024 / art. 112634 <https://doi.org/10.1016/j.matdes.2024.112634> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Masinaehitusmaterjalid. 2. osa, Värvilismetallid ja -sulamid : metoodiline materjal

1989 https://www.ester.ee/record=b1217623*est

Massive transformation in dual-laser powder bed fusion of Ti6Al4V alloys

Karimi, Javad; Zhao, Chao; **Prashanth, Konda Gokuldoss** Journal of Manufacturing Processes 2024 / p. 282-292 : ill
<https://doi.org/10.1016/j.jmapro.2024.03.083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical and tribological behavior of gravity and squeeze cast novel Al-Si alloy

Chandra, Vadlamudi Srinivasa; Sivaprasad, Katakam; Dhanasekaran, Subramaniam; **Prashanth, Konda Gokuldoss** Metals 2022 / art. 194 <https://doi.org/10.3390/met12020194>

Mechanical properties, microstructure, and actuation behavior of wire arc additive manufactured nitinol : titanium bimetallic structures

Singh, Shalini; Demidova, Elena; Resnina, Natalia; Belyaev, Sergey; Palani, Iyemperumal Anand; Paul, Christ Prakash; Kumar, Ajit; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. 143 - 151 <https://doi.org/10.1089/3dp.2021.0324> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Metallide ja sulamite struktuur

Kulu, Priit 1992 https://www.ester.ee/record=b1062188*est

Metallide ja sulamite struktuur

Kulu, Priit 1995 https://www.ester.ee/record=b1068796*est

Metallide ja teiste konstruktsioonimaterjalide tehnoloogia : sulamite kristalliseerumine : metoodiline materjal eriala 1709 (TM) üliõpilastele

1981 https://www.ester.ee/record=b1215054*est

Metallide markeerimine. 4, Värvilised metallid ja sulamid

Kulu, Priit Tehnika ja Tootmine 1994 / 5, lk. 6-7

Metalliõpetus ja metallide tehnoloogia : eesti-inglise-saksa-vene terminid ja määratlused

1998 https://www.ester.ee/record=b1193488*est

Metalliõpetus ja metallide tehnoloogia : eesti-inglise-saksa-vene terminid ja määratlused

1997 https://www.ester.ee/record=b1053791*est

Metallklaasid

Liimann, Väino Tehnika ja Tootmine 1989 / lk. 20-23 ; joon https://www.ester.ee/record=b1073047*est

Methods of improving of carbide steel properties

Narva, Valentina K. International DAAAM : [DAAAM National Estonia] : proceedings of the 1st International Conference 25-27th September 1997, Tallinn, Estonia 1997 / p. 149-151

Microstructural control of TiAl intermetallic alloys

Kommel, Lembit Proceedings of the 8th International Baltic Conference : Materials Engineering-99 : September 23-24, Kaunas, Lithuania 1999 / p. 121-124

Microstructural effects on wear of nonhomogeneous hardmetal materials

Hussainova, Irina; Viljus, Mart Proceedings of the Estonian Academy of Sciences. Engineering 2003 / 2, p. 126-136 : ill https://artiklid.elnet.ee/record=b1012788*est

Microstructural evolution and mechanical properties of Ti(C,N)–FeCrMo-based green cermets

Maurya, Himanshu Singh; Juhani, Kristjan; Viljus, Mart; Sergejev, Fjodor; Kübarsepp, Jakob Ceramics international 2024 / p. 8695-8705 <https://doi.org/10.1016/j.ceramint.2023.12.186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Microstructural homogenization through laser remelting in an additively manufactured Ti-40Nb sample from elemental feedstock powders

Subramanian, Shangavi; Yadav, Mayank Kumar; Jayaraj, J.; Yangyang, Fan; Xi, Lixia; Prashanth, Konda Gokuldoss Journal of materials research and technology 2025 / p. 4305-4320 <https://doi.org/10.1016/j.jmrt.2025.08.203>

Microstructure and mechanical performances of NiCoFeAlTi high-entropy intermetallic reinforced CoCrFeMnNi high-entropy alloy composites manufactured by selective laser melting

Yang, Hong; Ma, Pan; Zhang, Zhiyu; Xie, Xiaochang; Yang, Ping; Zhang, Han; Jia, Yandong; Prashanth, Konda Gokuldoss Journal of materials research and technology 2024 / p. 6275-6287 <https://doi.org/10.1016/j.jmrt.2024.11.022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure and mechanical properties of AlCoCrFeMnNi HEAs fabricated by selective laser melting

Ma, Pan; Fang, Yacheng; Wei, Shuimiao; Zhang, Zhiyu; Yang, Hong; Wan, Shiguang; Prashanth, Konda Gokuldoss; Jia, Yandong Journal of materials research and technology 2023 / p. 7090-7100 <https://doi.org/10.1016/j.jmrt.2023.07.124> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure and metastable phase formation of Mo-added Ti6Al4V alloys under laser micro-alloying

Ye, Zimeng; Yu, Zerong; Zhao, Kexin; Prashanth, Konda Gokuldoss; Sun, Zhiping; Zeng, Dejun; Zhang, Hengxin; Liu, Sizhe; Zhang, Fengying Journal of materials research and technology 2025 / p. 785-795 <https://doi.org/10.1016/j.jmrt.2025.06.072>

Microstructure and nanoindentation creep behavior of binary Al-Cu alloy synthesized at high pressure

Ma, Pan; Zhang, Zhiyu; Liu, Xiao; Shi, Xuerong; Prashanth, Konda Gokuldoss; Jia, Yandong JOM : the journal of the minerals, metals & materials society 2023 / p. 176-183 <https://doi.org/10.1007/s11837-022-05545-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure and properties of UFG metals and alloys

Kommel, Lembit XII International Conference on Nanostructured Materials (NANO 2014) : July 13-18, 2014 : program 2014 / p. 103

Microstructure and tribological behavior of Fe-based amorphous alloy fabricated by plasma spraying and laser remelting
Ma, Pan; Yang, Zhilu; Fang, Longfei; Zhang, Zhiyu; Fang, Yacheng; Zhang, Nan; **Prashanth, Konda Gokuldoss**; Jia, Yandong
Transactions of the Indian Institute of Metals 2023 / p. 1007-1014 <https://doi.org/10.1007/s12666-022-02814-z> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure evolution and tensile property of high entropy alloy particle reinforced 316 L stainless steel matrix composites fabricated by laser powder bed fusion

Zhang, Xinqi; Yang, Dongye; Jia, Yandong; Wang, Gang; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171430 <https://doi.org/10.1016/j.jallcom.2023.171430> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure evolution in Ti-alloys during severe plastic deformation by electric upset forging

Kommel, Lembit; Teterin, G. Proceedings of NATO Advanced Research Workshop : Investigations and Applications of Severe Plastic Deformation : August 2-6, 1999, Moscow, Russia 1999 / p. 78

Modelling of metal alloy contacts to semiconductor substrate

Rang, Toomas Simulation and design of microsystems and microstructures 1995 / p. 251-258: ill
<https://www.witpress.com/Secure/elibrary/papers/MIC95/MIC95030FU.pdf>

Modelling of the tunneling current in metal alloy contacts to 6H- and 4H-SiC substrates

Rang, Toomas MICROSIM II : simulation and design of microsystems and microstructures 1997 / p. 23-31 : ill

NiTi-Cu bimetallic structure fabrication through wire arc additive manufacturing

Singh, Shalini; Demidova, Elena; Resnina, Natalia; Belyaev, Sergey; Iyemperumal, P. A.; Paul, C. P.; **Prashanth, Konda Gokuldoss** Materials 2024 / art. 1006 <https://doi.org/10.3390/ma17051006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nitriding of the CoCr alloy substrate as the method for improving of the performance of promising biocoatings for hip replacement

Ortega Saenz, Javier Alonso; **Antonov, Maksim**; Michalczewski, Remigiusz 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 44

A novel crack-free Ti-modified Mo alloy designed for laser powder bed fusion

Zhang, Cheng; Wang, Pei; Liu, C. Y.; Liu, Zhiyuan; Wu, Mingwei; Gao, X. H.; Li, M. H.; Yang, Chao; **Prashanth, Konda Gokuldoss**; Chen, Zhangwei Journal of alloys and compounds 2022 / art. 164802 <https://doi.org/10.1016/j.jallcom.2022.164802> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel welding of Al0.5CoCrFeNi high-entropy alloy: corrosion behavior

Sokkalingam, Rathinavelu; Sivaprasad, Katakam; Duraiselvam, Muthukannan; Muthupandi, Veerappan; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 153163, 6 p. : ill <https://doi.org/10.1016/j.jallcom.2019.153163> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Obtaining strength-ductility combination in a laser additive manufactured (FeCoNi)86Al7Ti7 high-entropy alloy at cryogenic temperature

Xie, K.; Fang, Y.; Ma, P.; Yang, H.; Wan, S.; **Prashanth, Konda Gokuldoss**; Gargarella, P.; Mu, Y.; Wang, G.; Jia, Y. Journal of materials research and technology 2025 / p. 819-831 <https://doi.org/10.1016/j.jmrt.2024.12.125>

Optimierung des Herstellungsvorganges von Chromkarbid-Sinterlegierungen mit Hilfe Mathematischer Modell

Valdma, Leo; Pirso, Jüri Periodica polytechnica. Mechanical engineering = Машиностроение 1975 / p. 217-223 : ill
https://www.ester.ee/record=b1198774*est

Peculiar high temperature corrosion of martensite alloy under impact of Estonian oil shale fly ash

Tallermo, Harri; Klevtsov, Ivan; Uus, M. Baltica IV : Plant Maintenance for Managing Life & Performance : Helsinki-Stockholm-Helsinki, 7-9 September, 1998. Vol. 1 1998 / p. 295-303

Phase formation, microstructure and mechanical properties of Mg67Ag33 as potential biomaterial

Kosiba, Konrad; **Prashanth, Konda Gokuldoss**; Scudino, Sergio Metals 2021 / art. 461, 10 p. : ill
<https://doi.org/10.3390/met11030461> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Saxena, Akash; **Singh, Neera**; Singh, Bhupendra; Kumar, Devendra; Sadasivuni, Kishor Kumar; Gupta, Pallav; Kumar, Devendra Proceedings of the institution of mechanical engineers part L Journal of Materials Design and Applications Journal of materials design and applications 2020 / art. 146442071989338, p. 467-480 <https://doi.org/10.1177/1464420719893387> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Phases properties of SC superalloy measured by nanoindentation

Kommel, Lembit; Kimmari, Eduard; Viljus, Mart Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28-29, 2010, Riga, Latvia 2010 / p. 22

Powder metallurgy of Al_{0.1}CoCrFeNi 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](#)

Preheating system model of molten metal tubing for double motor MHD-drive

Jansikene, Raik; Liivik, Liisa The 4th Research Symposium of Young Scientist : Actual Problems of Electrical Drives and Industry Automation : Tallinn, Estonia, May 17-21, 2003 2003 / p. 131-134 : ill

Premature failure of an additively manufactured material

Wang, Zhi; Xie, Meishen; Li, Yuanyuan; Zhang, Weiwen; Yang, Chao; **Kollo, Lauri**; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Npg Asia materials 2020 / art. 30, 10 p. : ill <https://doi.org/10.1038/s41427-020-0212-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Preparation and thermoelectric properties of Bi₂Te₃-Sb₂Te₃ alloys

Kalnacha, Aija International DAAAM : [DAAAM National Estonia] : proceedings of the 1st International Conference 25-27th September 1997, Tallinn, Estonia 1997 / p. 172-175

The preparation of high-entropy refractory alloys by aluminothermic reduction process

Kirakosyan, Hasmik; Nazaretyan, Khachik; Kharatyan, Anahit; **Aydinyan, Sofiya** Modern materials and manufacturing 2023 2024 / art. 040012 <https://doi.org/10.1063/5.0189206> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Production of silicon free master alloys in Estonia

Gorkunov, Valeri; Munter, Rein Scientific proceedings of Riga Technical University. 1. [series], Material science and applied chemistry 2007 / p. 111-121

Recent advances in additive manufacturing of refractory high entropy alloys (RHEAs): A critical review

Yarlapati, Akshaya; Aditya, Y. N.; Kumar, Deepak; Vikram, Raja Jothi; Yadav, Mayank Kumar; Reddy, Kallem Shekharf; **Prashanth, Konda Gokuldoss** Journal of alloys and metallurgical systems 2024 / art. 100120 <https://doi.org/10.1016/j.james.2024.100120> [Journal metrics at Scopus](#) [Article at Scopus](#)

Research progress on composition design of multicomponent eutectic high entropy alloys

Wan, Shiguang; Ma, Pan; Yang, Hong; Zhang, Nan; Fang, Yacheng; Jia, Yandong; **Prashanth, Konda Gokuldoss** Transactions of the Indian Institute of Metals 2024 / p. 1455 - 1465 <https://doi.org/10.1007/s12666-023-03247-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Role of laser remelting and heat treatment in mechanical and tribological properties of selective laser melted Ti6Al4V alloy

Karimi, Javad; Antonov, Maksim; Kollo, Lauri; Prashanth, Konda Gokuldoss Journal of alloys and compounds 2022 / art. 163207 <https://doi.org/10.1016/j.jallcom.2021.163207> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting : materials and applications

2020 <https://doi.org/10.3390/books978-3-03928-579-2> <https://www.mdpi.com/books/pdfview/book/2164>

Selective laser melting of AlCoCrFeMnNi high entropy alloy : effect of heat treatment

Fang, Yacheng; Ma, Pan; Wei, Shuimiao; Zhang, Zhiyu; Yang, Dongye; Yang, Hong; Wan, Shiguang; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of materials research and technology 2023 / p. 7845-7856 <https://doi.org/10.1016/j.jmrt.2023.09.121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting of AlSi10Mg : corrosion behavior

Sellamuthu, Prabhukumar; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of Mines, Metals and Fuels 2024 / p. 93-102 <https://doi.org/10.18311/jmmf/2024/36429> [Journal metrics at Scopus](#) [Article at Scopus](#)

Selective laser melting of aluminum and its alloys

Wang, Zhi; **Ummethala, Raghunandan; Singh, Neera; Prashanth, Konda Gokuldoss** Materials 2020 / art. 4564 : ill <https://doi.org/10.3390/ma13204564> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective Laser Melting Of Combustion Synthesized 2Mo-Cu and 3Cu-Mo Composites

Minasyan, Tatevik; Aydinyan, Sofiya; Kharatyan, Suren SHS 2017 : XIV International Symposium On Self-Propagating High Temperature Synthesis, September 25-28, 2017, Tbilisi, Georgia : Book of Abstracts 2017 / p. 155–156 : ill http://mmi.ge/uploads/files/2017-10/1507298270_book-of-abstracts-shs-2017.pdf

Selective laser melting of in-situ CoCrFeMnNi high entropy alloy : effect of remelting

Karimi, Javad; Kollo, Lauri; Rahmani Ahranjani, Ramin; Ma, Pan; Jia, Yandong; Prashanth, Konda Gokuldoss Journal of Manufacturing Processes 2022 / p. 55-63 <https://doi.org/10.1016/j.jmapro.2022.09.056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting: materials and applications

Prashanth, Konda Gokuldoss Selective laser melting: materials and applications 2020 / p. 1-3 : ill <https://doi.org/10.3390/jmmp4010013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

SEM analysis and selenization of Cu-In alloy films produced by co-sputtering of metals

Volobujeva, Olga; Altosaar, Mare; Raudoja, Jaan; Mellikov, Enn; Grossberg, Maarja; Kaupmees, Liina; Barvinschi, Paul Solar energy materials and solar cells 2009 / 1, p. 11-14 : ill <https://www.sciencedirect.com/science/article/pii/S0927024808000238>

Solid particle erosion of thermal sprayed coating

Kulu, Priit Abstracts of International Conference on Erosive and Abrasive Wear II : Cambridge, UK, 2003 2003 / p. 1.3 <https://www.sciencedirect.com/science/article/abs/pii/S0043164804001644>

Solution combustion synthesis of MnFeCoNiCu and (MnFeCoNiCu)₃O₄ high entropy materials and sintering thereof

Aydinyan, Sofiya; Kirakosyan, Hasmik; Sargsyan, Armen; Volobujeva, Olga; Kharatyan, Suren Ceramics International 2022 / p. 20294-20305 : ill <https://doi.org/10.1016/j.ceramint.2022.03.310> [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](#)

Structural and compositional properties of CZTS thin films formed by rapid thermal annealing of electrodeposited layers

Lehner, Julia; Looerts, Mihkel; Revathi, Naidu; Raadik, Taavi; Raudoja, Jaan; Grossberg, Maarja; Mellikov, Enn; Volobujeva, Olga; Ganchev, Maxim Journal of crystal growth 2013 / p. 236-240 : ill <https://doi.org/10.1016/j.jcrysgro.2013.06.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structure and properties evolution of superalloy in zone of uniform deformation by electroupsetting

Kommel, Lembit; Viljus, Mart EUROMAT 2001 : 7th European Conference on Advanced Materials and Processes : Rimini, Italy, 10-14 June, 2001 : conference abstracts 2001 / p. 402-403

Structure and properties evolution of superalloy in zone of uniform deformation by electroupsetting [Electronic resource]

Kommel, Lembit; Viljus, Mart Proceedings of 7th European Conference on Advanced Materials and Processes : EUROMAT 2001 : Italy 2001 / [CD-ROM]

Study of structural and optoelectronic properties of Cu₂Zn(Sn_{1-x}Ge_x)Se₄ (x = 0 to 1) alloy compounds

Grossberg, Maarja; Timmo, Kristi; Raadik, Taavi; Kärber, Erki; Mikli, Valdek; Krustok, Jüri Thin solid films 2015 / p. 176-179 : ill <https://doi.org/10.1016/j.tsf.2014.10.055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Sokkalingam, Rathinavelu; Sivaprasad, Katakam; Singh, Neera; Muthupandi, Veerappan; Ma, Pan; Jia, Yandong; Prashanth, Konda Gokuldoss Progress in additive manufacturing 2022 / p. 453-461 <https://doi.org/10.1007/s40964-022-00301-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Surface wave conversion analysis on a lengthwise soldered circular shell

Baillard, Andre; Chiumia, Jeremiah; Decultot, Dominique; Maze, Gerard; Klauson, Aleksander; Metsaveer, Jaan Journal of Acoustical Society of America 2008 / 4, p. 2061-2067 <https://pubs.aip.org/asa/jasa/article/124/4/2061/980878/Surface-wave-conversion-analysis-on-a-lengthwise>

Synthesis of Ni–W nanopowders from oxide and salt precursors in combustion mode by using thermo-kinetic coupling approach [Online resource]

Zakaryan, Marieta; Aydinyan, Sofiya; Kharatyan, Suren Explosive Production of New Materials : Science, Technology, Business, and Innovations 2018 / p. 298-300 : ill http://www.ism.ac.ru/events/EPNM2018/EPNM2018_BookofPapers.pdf <http://dx.doi.org/10.30826/EPNM18-103>

ZrC-TiC-MoSi₂ ceramic composite by spark plasma sintering

Hussainova, Irina; Minasyan, Tatevik; Liu, Le; Aydinyan, Sofiya Journal of Physics: Conference Series 2020 / art. 012028 <https://doi.org/10.1088/1742-6596/1527/1/012028> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Temperature effects in alloy metal and 6H-SiC substrate Schottky contacts caused by the current suppressing effect

Rang, Toomas; Blum, Alfons Proceedings of the International Conference and Exhibition Micro Materials : MicroMat '97, April 16-18, 1997, Berlin, Germany 1997 / p. 591-596

The effect of VC, TiC and Cr₃C₂ on the microstructure and properties of WC-15Co hardmetals fabricated by the reactive sintering

Pirso, Jüri; Juhani, Kristjan; Tarraste, Marek; Viljus, Mart; Letunovits, Sergei Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 383-388 : ill

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](#)

The influence of chlorine in ash deposits on 12Cr1MoV alloy high temperature corrosion

Tallermo, Harri; Lausmaa, Toomas; Klevtsov, Ivan; Nuutre, Maaris Oil shale 1997 / 3, p. 307-316: ill

The investigation of structure and properties of TiAl-Nb alloy

Kommel, Lembit Proceedings of the International Symposium-Exhibition on Advanced Materials, Technologies, Equipment and Tools in Mechanical Engineering : April 20-23, 1999, Kiev, Ukraine 1999 / p. 67

The plastic flow of alloys in zone of angular deformation by electroupsetting forging

Kommel, Lembit Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 67-71 : ill

Thermal deformation behavior and microstructural evolution of the rapidly-solidified Al-Zn-Mg-Cu alloy in hot isostatic pressing state

Zhang, Z.; Cong, H.; Yin, Z.; Qi, B.; Dong, Y.; Kong, L.; Li, H.; Prashanth, Konda Gokuldoss Journal of materials research and technology 2024 / p. 5927-5939 <https://doi.org/10.1016/j.jmrt.2024.04.235> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal expansion behavior of Al-xSi alloys fabricated using selective laser melting

Jia, Yandong; Zhang, L.B.; Ma, Pan; Scudino, Sergio; Wang, G.; Yi, J.; Eckert, Jürgen; Prashanth, Konda Gokuldoss Progress in additive manufacturing 2020 / 11 p. : ill <https://doi.org/10.1007/s40964-020-00130-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

3D printing of pure molybdenum structures by Selective Laser Melting (SLM)

Alinejadian, Navid; Prashanth, Konda Gokuldoss; Kollo, Lauri GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 14 <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Tribological properties of selective laser melted Al₁₂Si alloy

Rathod, H.J.; Nagaraju, T.; Prashanth, Konda Gokuldoss; Ramamurty, U. Tribology international 2019 / p. 94-101 : ill

<https://doi.org/10.1016/j.triboint.2019.04.038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Zur Frage der Zerreiissfestigkeitsbestimmung schmiedbarer Eisen-Kohlenstofflegierungen mittels der Schlag-Kugeldruckprobe

Maddison, Ottomar 1939 https://www.ester.ee/record=b1492744*est <https://digikogu.taltech.ee/et/Item/185f0c9d-ef3a-4a7f-aed7-b27e6db6a0a3>

Tungsten matrix composite reinforced with CoCrFeMnNi high-entropy alloy : impact of processing routes on microstructure and mechanical properties

Satyanarayana, P. V.; Sokkalingam, Rathinavelu; Jena, P. K.; Sivaprasad, Katakam; Prashanth, Konda Gokuldoss Metals 2019 / art. 992, 12 p. : ill <https://doi.org/10.3390/met9090992> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ultra thin Al₂O₃ films grown on Ni₃Al(1 0 0)

Podgurski, Vitali; Costina, Ioan; Franchy, R. Applied surface science 2003 / p. 29-36 : ill

<https://www.sciencedirect.com/science/article/pii/S0169433202008024>

Unusual deformation substructure and strain hardening in an additively manufactured CoCrFeMnNi high entropy alloy under high-velocity impact loading

Chen, Hongyu; Yang, Xiaofeng; Gu, Dongdong; Liu, Yang; Yang, Shengze; Chen, Xiyu; Kosiba, Konrad; Chen, Yufei; Du, Junhang; Prashanth, Konda Gokuldoss Journal of Material Science and Technology 2025 / p. 35-51 <https://doi.org/10.1016/j.jmst.2025.02.087>

Wire arc additive manufacturing of NiTi 4D structures : influence of interlayer delay

Singh, Shalini; Palani, Iyemperumal Anand; Paul, Christ Prakash; Funk, Alexander; Prashanth, Konda Gokuldoss 3D Printing and Additive Manufacturing 2024 / p. 152 - 162 <https://doi.org/10.1089/3dp.2021.0296> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Viscoelastic behavior of a single-crystal nickel-base superalloy

Kommel, Lembit Materials science 2009 / p. 123-128 : ill

Work hardening in selective laser melted Al12Si alloy

Prashanth, Konda Gokuldoss Material design & processing communications 2019 / art. e46, 4 p. : ill <https://doi.org/10.1002/mdp2.46>

Värvilised metallid ja sulamid

Valdma, Leo Masinaehitaja käsiraamat. 1. kd 1968 / lk. 627-644 https://www.ester.ee/record=b1298495*est

Värvilised metallid ja sulamid

Valdma, Leo 1968 https://www.ester.ee/record=b1345766*est

Värvilismetallid & -sulamid : Vene, Saksa, Soome, Rootsi standardid (markeering, koostis, omadused) : vastavus

1994 https://www.ester.ee/record=b1297803*est

Värvilismetallid & -sulamid : Vene, Saksa, Soome, Rootsi standardid (markeering, koostis, omadused) : vastavus

1996 https://www.ester.ee/record=b1419144*est

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

Singh, Neera; Pandey, Vaibhav; Srivastava, Gargi; Banerjee, Supriya; Parkash, Om; Kumar, Devendra Materials chemistry and physics 2020 / art. 122794 <https://doi.org/10.1016/j.matchemphys.2020.122794> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Абразивная эрозия двухфазных сплавов

Pirso, Jüri; Rauk, Marina Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с. 29-31 https://www.ester.ee/record=b1256812*est

Анодное растворение сплава MgZn₂

Pedokand, Tõivu; Školnikov, S.; Baimakov, A. Известия высших учебных заведений. Цветная металлургия 1979 / с. 68-70

Влияние легирующих элементов на структуру и свойства сплавов TiC-Ni-Mo

Pirso, Jüri; Viljus, Mart Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 8-9

Влияние неоднородностей на термоэлектрические свойства сплава 80 мол.% Bi₂Te₃ + 20 мол.% Bi₂Se₃

Goltsman, B.; Komissartšik, M.; Lukjanova, L.; Paat, Aadu Физика и техника полупроводников = Physics and technics of semiconductors 1968 / с. 873-876 : ил https://www.ester.ee/record=b1263919*est

Влияние обработки горячим изостатическим прессованием на свойства спеченных сплавов TiC-сталь

Kübarsepp, Jakob; Annuka, Harri; Zeer, G.; Valdma, Leo Свойства и технология изготовления композиционных материалов 1985 / с. 21-25

Влияние скорости абразивных частиц на механизм изнашивания карбидохромовых спеченных сплавов

Pirso, Jüri; Kallas, Paul Свойства и технология изготовления износостойких материалов 1980 / с. 25-32 : илл https://www.ester.ee/record=b1276393*est <https://digikogu.taltech.ee/et/Item/be560987-a637-4f71-93da-1a9ee9705512>

Влияние содержания углерода в связке на механические свойства термообрабатываемых сплавов карбид титана - сталь

Kübarsepp, Jakob Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1985 / с. 43-46 https://www.ester.ee/record=b1645489*est

Влияние способа заточки на стойкость резцов из сплава KTHX20

Kudrjavitsev, Vladimir; Arensbürger, Daniil Свойства и технология изготовления износостойких материалов 1982 / с. 31-36 : илл https://www.ester.ee/record=b1309562*est <https://digikogu.taltech.ee/et/Item/da5bb058-212f-443b-9de3-5673fbd01534>

Влияние термической и химико-термической обработки на свойства порошковых твердых сплавов

Pirso, Jüri; Kübarsepp, Jakob Металловедение и термическая обработка металлов : [ежемесячный научно-технический и производственный журнал] 1987 / с. 41-42

Влияния фосфора на свойства карбидохромовых спеченных сплавов

Valdma, Leo; Pirso, Jüri Тезисы докладов I республиканской конференции по порошковой металлургии : эрозионностойкие спеченные материалы и их применение 1975 / с. 15-16 https://www.ester.ee/record=b1314322*est

Возникновение и развитие трещин в карбидохромовых спеченных сплавах при сжатии

Pirso, Jüri Свойства и технология изготовления износостойких материалов 1982 / с. 21-29 : илл https://www.ester.ee/record=b1309562*est <https://digikogu.taltech.ee/et/Item/da5bb058-212f-443b-9de3-5673fbd01534>

Гидроабразивное изнашивание спеченных железохромистых сплавов

Andruševičs, A.A.; Kallas, Paul; Fraiman, L.I. Свойства и технология изготовления износостойких материалов 1980 / с. 11-18 : илл https://www.ester.ee/record=b1276393*est <https://digikogu.taltech.ee/et/Item/be560987-a637-4f71-93da-1a9ee9705512>

Изготовление и свойства конструкционных износостойких сплавов TiC-Fe-C

Kübarsepp, Jakob; Valdma, Leo Порошковые конструкционные материалы : [Сборник статей] 1980 / с. 23-24

Износостойкость карбидохромовых спеченных сплавов в абразивной струе

Valdma, Leo; Pirso, Jüri Тезисы докладов всесоюзной научной конференции "Технология, свойства и применение износостойких спеченных материалов", 26-28 ноября 1974 г. 1974 / с. 12-13

Износостойкость порошковых сплавов TiC-сталь в жидких коррозионно-абразивных средах

Kübarsepp, Jakob; Arensbürger, Daniil; Valdma, Leo Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1980 / с. 100-103 https://www.ester.ee/record=b1645489*est

Износостойкость спеченных сплавов на основе карбида хрома в абразивной струе

Valdma, Leo; Pirso, Jüri Спеченные износостойкие материалы 1977 / с. 64-70 https://www.ester.ee/record=b2692826*est

Износостойкость сплавов TiC-сталь в гидроабразивной струе

Valdma, Leo; Kübarsepp, Jakob; Post, Tiit Свойства и технология изготовления износостойких материалов 1980 / с. 41-48 : илл https://www.ester.ee/record=b1276393*est <https://digikogu.taltech.ee/et/Item/be560987-a637-4f71-93da-1a9ee9705512>

Исследование абразивной эрозии металлокерамических твёрдых сплавов типа ВК

Kleis, Ilmar; Uuemõis, Haljand; Tumanov, V.; Tiidemann, Tiit Сборник трудов 1973 / с. 123-128 : илл

Исследование абразивной эрозии спеченных вольфрамовых твердых сплавов

Kleis, Ilmar; Tumanov, V.; Uuemõis, Haljand; Tiidemann, Tiit Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1974 / с. 98-101 : илл https://www.ester.ee/record=b1645489*est

Исследование влияния многократного деформирования с промежуточным старением на прочность железоуглеродистых сплавов

Ingerma, August Износ, усталость и коррозия металлов : сборник статей. 3 1969 / с. 53-61 : илл https://www.ester.ee/record=b2183085*est <https://digikogu.taltech.ee/et/Item/28ca169d-6b4f-44b6-92fd-45d8fc81e458/>

Исследование свойств карбидтитановых твердых сплавов, сцементированных сплавами на основе железа, предназначенных для работы в условиях абразивного изнашивания : автореферат ... кандидата технических наук (05.16.06)

Kübarsepp, Jakob 1979 https://www.ester.ee/record=b2341097*est

Исследование ударного износа металлокерамических твердых сплавов разной твердости

Kleis, Ilmar Износ, усталость и коррозия металлов : сборник статей. 1 1965 / с. 11-16 : илл https://www.ester.ee/record=b2181989*est <https://digikogu.taltech.ee/et/Item/c8c0d777-7bb9-4cb8-9189-55809fb62535>

Исследование фазового состава и текстуры электролитических сплавов меди и олова

Rusalep, Ervin Труды по физике : сборник статей. 5 1970 / с. 51-57 : илл https://www.ester.ee/record=b2189960*est <https://digikogu.taltech.ee/et/Item/772a4309-c50e-4ac0-a978-642c38d7bfdd>

Исследование эффектов, обуславливающих размытие рентгеновских линий неравновесных электролитических сплавов

Rusalep, Ervin Физика, математика и теоретическая механика : сборник статей. 2 1967 / с. 3-7 : илл https://www.ester.ee/record=b2182156*est <https://digikogu.taltech.ee/et/Item/9629c334-57f5-42a4-b7df-c9616b03b45d>

Исследование эффектов, обуславливающих расширение рентгеновских линий электролитических сплавов

Rusalep, Ervin XX научная конференция, посвященная 25-летию Эстонской ССР 18-22 мая 1965 г. : тезисы и резюме 1965 / с. 37 https://www.ester.ee/record=b1359832*est

Контактное взаимодействие карбида титана со сплавами на основе железа

Panasjuk, A.; Kübarsepp, Jakob; Dzökovitš, I.; Valdma, Leo Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1981 / с. 66-72 https://www.ester.ee/record=b1645489*est

Коррозионная стойкость порошковых сплавов TiC-сталь

Kübarsepp, Jakob; Valdma, Leo; Kallast, Vambola Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1980 / с. 99-101 : табл https://www.ester.ee/record=b1645489*est

Лабораторная работа по металловедению. № 2, Макроскопический анализ металлов и сплавов

1966 https://www.ester.ee/record=b1363350*est

Легирование карбидохромового спеченного сплава

Arop, A.; Valdma, Leo; Pirso, Jüri XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 181 https://www.ester.ee/record=b1306141*est

Материаловедение. Часть 2, Теория сплавов

Mosberg, Rudolf 1969 https://www.ester.ee/record=b1345944*est

Материаловедение. Часть III, Диаграмма состояния железо-углерод, углеродистые стали, чугуны

Mosberg, Rudolf 1969 https://www.ester.ee/record=b1345776*est

МГД - привод для транспортирования магниевых сплавов

Grinko, Aleksandr; Kask, Rein; Laugis, Juhan; Sakkos, Heinar; Tiismus, Hugo; Teemets, Raivo Семинар по прикладной магнитной гидродинамике : тезисы докладов 1978 / с. [79-81]

МГД-перекачивание металлов с малой печатной электропроводностью

Risthein, Endel Тезисы докладов ; Вып. 1 1974 / с. [?]

Некоторые закономерности абразивной эрозии твердых сплавов : автореферат ... кандидата технических наук (325)

Kabral, Hillar-Endel 1970 https://www.ester.ee/record=b1388325*est

О влиянии технологии изготовления на износостойкость порошковых железохромистых сплавов в гидроабразивной струе

Fraiman, L.I.; Kallas, Paul Свойства и технология изготовления износостойких материалов 1982 / с. 47-53 : илл https://www.ester.ee/record=b1309562*est <https://digikogu.taltech.ee/et/Item/da5bb058-212f-443b-9de3-5673fbd01534>

О возможности использования линейного цилиндрического индуктора для измерения расхода сплавов

Parts, Innari; Parts, R. Сборник материалов к IV Таллинскому совещанию по электромагнитным расходомерам 1969 / с. 99-104 : ил https://www.ester.ee/record=b1374033*est

О выборе типа электромагнитного микрорасходомера жидкого металла

Kõiv, Ants-Kaspar Исследование электромагнитных и электромагнитных устройств управления и контроля специального назначения 1989 / с. 65-75

О фазовом составе, текстуре и шероховатости электролитических сплавов меди и олова

Rusalep, Ervin Тезисы докладов Шестой научной конференции по проблеме прочности и пластичности металлов и сплавов, посвященной 100-летию со дня рождения В.И. Ленина. (1-8 июня 1969 г.) 1969 / с. 144

ОЖЕ - анализ поверхностей трения аморфных сплавов

Лупенко, Геннадий; Твердохлебова, Светлана 35 научная конференция студентов вузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция САПР в машиностроении [и др.] 1991 / с. 20-22: ил

Основы разработки и применение абразивно-износостойких спеченных безвольфрамовых сплавов

Valdma, Leo Порошковая металлургия и область ее применения. Тезисы докладов к областному семинару (11-12 мая 1982 г.) 1982 / с. 28

Получение высокохромистых сплавов TiC-Fe-Cr, легированных кремнием

Kübarsepp, Jakob Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1986 / с. 65-69 : рис., таб https://www.ester.ee/record=b1645489*est

Предел выносливости и пластические деформации сталей в некоторых случаях совместного действия изгиба и кручения

Štšeglov, Nikolai 1958 http://www.ester.ee/record=b2145123*est

Предел выносливости и пластические деформации сталей в некоторых случаях совместного действия изгиба и кручения : автореферат ... кандидата технических наук

Štšeglov, Nikolai 1959 http://www.ester.ee/record=b1377609*est

Предел выносливости и пластические деформации сталей в некоторых случаях совместного действия изгиба и кручения

Štšeglov, Nikolai 1957 https://www.ester.ee/record=b1421848*est <https://digikogu.taltech.ee/et/Item/47d89251-e915-4070-b3a5-7878b555d2e7/>

Прочность карбидотитановых сплавов, сцементированных сплавами железа

Kübarsepp, Jakob Свойства и технология изготовления износостойких материалов 1982 / с. 11-20 : илл
https://www.ester.ee/record=b1309562*est <https://digikogu.taltech.ee/et/Item/da5bb058-212f-443b-9de3-5673fbd01534>

Разработка и исследование порошковых сплавов для распылителей жидкого топлива котлоагрегатов

Arutjunova, I.; Šestjorkin, N.; **Pirso, Jüri; Kübarsepp, Jakob** Технология сварки при изготовлении и ремонте элементов оборудования для тепловых электростанций 1988 / с. 118-122

Разработка эрозионностойких конструкционных элементов из безкольфамовых спеченных сплавов

Valdma, Leo; Pirso, Jüri; Kudrjartsev, Vladimir; Kozjakov, Vladimir Тезисы докладов III Всесоюзного семинара по конструкционным спеченым материалам и изделиям (8-10 апр. 1975 г.) 1975 / с. 49-50

Регрессионный анализ влияния технологических факторов на свойства сплавов TiC-Ni-Co-Cr

Kudrjartsev, Vladimir; Valdma, Leo Спеченные износостойкие материалы 1977 / с. 91-95
https://www.ester.ee/record=b2692826*est

Свойства спеченных дисперсионно-твердеющих сплавов Cu-Ti-B

Arensburger, Daniil; Letunovič, Sergei Износостойкие спеченные материалы и покрытия 1988 / с. 30-37

Свойства спеченных сплавов сталь-карбид титана

Kübarsepp, Jakob; Arensburger, Daniil Направления развития инструментального производства в X пятилетке : сборник тезисов докладов научно-технического семинара 1978 / с. 149 https://www.ester.ee/record=b1308562*est

Селективный износ спеченных твердых сплавов в абразивной среде

Valdma, Leo Свойства и технология изготовления износостойких материалов 1982 / с. 3-9 : илл
https://www.ester.ee/record=b1309562*est <https://digikogu.taltech.ee/et/Item/da5bb058-212f-443b-9de3-5673fbd01534>

Сигнал электромагнитного микрорасходомера жидкого металла

Kõiv, Ants-Kaspar Исследование электромашиных и электромагнитных устройств управления и контроля специального назначения 1989 / с. 55-64

Специальные стальные связки для карбидо-титановых термообрабатываемых керметов

Valdma, Leo; Kübarsepp, Jakob V Международная конференция по порошковой металлургии в ЧССР. Сентябрь 1978 : сборник трудов 1978 / с. 127-142

Структурные характеристики легированных жаропрочных сплавов на основе Ni3Al

Kommel, Lembit; Kodess, Boris N.; Kommel, Igor Сборник тезисов Первого Российского кристаллографического конгресса : 21-26 ноября 2016, г. Москва 2016 / с. 375 http://www.issp.ac.ru/ebooks/conf/Cryst_Congress_1.pdf

Термодинамическое исследование сплавов магния с цинком в твердом состоянии

Pedokand, Tõivu; Školnikov, S.; Tomazova, E. Труды Ленинградского политехнического института 1976 / с. 34-39
https://www.ester.ee/record=b1684483*est

Термостойкость карбидохромовых спеченных сплавов

Pirso, Jüri; Valdma, Leo; Masing, Juhan Износ, усталость и коррозия металлов : сборник статей. 7 1975 / с. 39-45 : илл
https://www.ester.ee/record=b2190702*est <https://digikogu.taltech.ee/et/Item/7b7b4d74-55e0-43cf-b22c-bd484ceb163f>

Технология металлов и других конструкционных материалов : методическое пособие для студентов специальности 1709 (ТМ)

1981 https://www.ester.ee/record=b1314248*est

Упрочнение и разупрочнение электролитических сплавов меди и олова

Rusalep, Ervin Тезисы докладов Седьмой Всесоюзной конференции по физике прочности металлов и сплавов 1973 / с. 128

Упрочные и разупрочные электролитических сплавов меди и олова при отжиге

Rusalep, Ervin Труды по физике : сборник статей. 7 1975 / с. 13-21 : илл https://www.ester.ee/record=b2190700*est
<https://digikogu.taltech.ee/et/Item/bf8b5df4-d382-41b8-b242-1b2db192e257>

Экспериментальное исследование асинхронного насоса при перекачивании сплава свинец-висмут

Grussov, R.; Konin, M.; **Mežburd, Volf; Naumov, N.; Teearu, Viktor** Электромагнитные насосы для транспорта жидких металлов 1965 / с. 119-125 https://www.ester.ee/record=b2083931*est

Экспериментальное исследование возможности применения прецизионных магнитомягких сплавов в индукционных МГД-машинах

Musikka, Arvo; Sakkos, Heinar Гибкие автоматизированные производственные системы и их элементы для литейного производства 1987 / с. 79-83

