

**Corrosion behavior of 17–4 PH stainless steel manufactured by laser powder bed fusion: Effect of graphene coating and heat-treatment**

Maharana, P.; Sahu, D. K.; Sahoo, D.; Mallik, A.; Mishra, S.; Ramakrishna, M.; **Prashanth, Konda Gokuldoss**; Gollapudi, S. Materials today communications 2024 / art. 111098 <https://doi.org/10.1016/j.mtcomm.2024.111098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Crystalline structure, surface morphology and optical properties of nanolamellar composites obtained by intercalation of InSe with Cd**

Untila, Dumitru; Caraman, Iuliana; Evtodiev, Igor; **Spalatu, Nicolae** Energy procedia 2015 / p. 149-155 : ill <https://doi.org/10.1016/j.egypro.2015.12.308> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Effect of precipitation heat treatment on a mechanically alloyed Al-based composite reinforced with metallic glassy powder**

Deng, Guiying; Wang, Zhi; Hu, Yuan; Zhao, Qizhong; Zhang, Weiwen; Yang, Chao; Li, Liejun; **Prashanth, Konda Gokuldoss**; Suryanarayana, Challapalli Advanced engineering materials 2024 / 10 p <https://doi.org/10.1002/adem.202401075>

**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 <https://doi.org/10.3390/ma14020330> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Electrical characterization of annealed chemical-bath-deposited CdS films and their application in superstrate configuration CdTe/CdS solar cells**

Graf, Aleksandr; Maticiu, Natalia; **Spalatu, Nicolae**; Mikli, Valdek; Mere, Arvo; Gavrilov, Aleksei; Hiie, Jaan Thin solid films 2015 / p. 351-355 : ill <https://doi.org/10.1016/j.tsf.2014.11.003> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

**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>

**Heat treatment of ultrafine grained AA6061 consolidation by equal channel angular pressing**

Pramono, Agus; Kollo, Lauri; Kallip, Kaspar; Veinthal, Renno; Gomon, Jaana-Kateriina Instrumentation and measurement systems 2015 / p. 252-256 <http://dx.doi.org/10.4028/www.scientific.net/AMM.771.252>

**The influence of synthesis parameters and thermal treatment on the optical and structural properties of zinc oxide-based nanomaterials**

Paltusheva, Zhaniya; Kedruk, Yevgeniya; Gritsenko, Lesya; Tulegenova, Madina; **Söritski, Vitali**; Abdullin, Khabibulla Physical sciences and technology 2024 / Lk. 49-57 <https://doi.org/10.26577/phst2024v11i1a6> [Journal metrics at Journal](#) [Article at Scopus](#)

**Optical properties of GaTe-ZnTe nanolamellae composite**

**Spalatu, Nicolae**; Evtodiev, Igor; Caraman, Iuliana Energy procedia 2015 / p. 176-182 : ill <https://doi.org/10.1016/j.egypro.2015.12.311> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Punch lifetime in fine-blanking with optimum combination of mechanical properties**

**Veinthal, Renno**; Peetsalu, Priidu; Saarna, Mart; Sergejev, Fjodor European Conference on Heat Treatment and 22nd IFHTSE Congress : Heat Treatment and Surface Engineering from tradition to innovation : Venice (Italy), 20-22 May 2015 2015 / [7] p

**Response of stress relieving and solution annealing treatment on tensile properties and fracture toughness of additively manufactured stainless steel 316L**

Kumar, Deepak; Arya, Abhinav; Dutta, Shubhendu Anupam; Jhavar, Suyog; **Prashanth, Konda Gokuldoss**; Suwas, Satyam Journal of Materials Engineering and Performance 2025 / art. 145021 <https://doi.org/10.1007/s11665-025-11334-y>

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

Wang, Pei; Yu, Sijie; Shergill, Jaskarn; Chaubey, Anil; Eckert, Jürgen; **Prashanth, Konda Gokuldoss**; Scudino, Sergio Acta Metallurgica Sinica (English Letters) 2022 / p. 389–396 : ill <https://doi.org/10.1007/s40195-021-01279-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Synthesis of Cu<sub>2</sub>ZnSnS<sub>4</sub> solar cell absorber material by sol-gel method**

Kumar, Suresh; Kasubosula, Bharath; Looorts, Mihkel; Raudoja, Jaan; Mikli, Valdek; Altosaar, Mare; Grossberg, Maarja

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**Tailoring anisotropy and heterogeneity of selective laser melted Ti6Al4V alloys**

**Karimi, Javad; Kollo, Lauri; Prashanth, Konda Gokuldoss** Transactions of the Indian National Academy of Engineering 2023 / p. 245-251 <https://doi.org/10.1007/s41403-023-00393-z>

**Wear resistance and selection of steels, hardmetals and hardfacings for abrasive wear conditions**

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