

### **Effect of interlayer delay on the microstructure and mechanical properties of wire arc additive manufactured wall structures**

Singh, Shalini; Jinoop, Arackal Narayanan; Tarun Kumar, Gorlea Thrinadh Ananthvenkata; Palani, Iyamperumal Anand; Paul, Christopher R. C.; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 4187, 13 p. : ill <https://doi.org/10.3390/ma14154187> [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, Iyamperumal Anand; Dehgahi, Shirin; Paul, Christ Prakash; **Prashanth, Konda Gokuldoss**; Jawad Qureshi, Ahmed Jawad Journal of Alloys and Compounds 2023 / art. 171447 <https://doi.org/10.1016/j.jallcom.2023.171447> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Singh, Shalini; Demidova, Elena; Resnina, Natalia; Belyaev, Sergey; Palani, Iyamperumal Anand; Paul, Christ Prakash; Kumar, Ajit; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2022 <https://doi.org/10.1089/3dp.2021.0324>

### **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](#)

### **Microstructure and mechanical properties of NiTi-SS bimetallic structures built using wire arc additive manufacturing**

Singh, Shalini; Jinoop, A. N.; Palani, Iyamperumal Anand; Paul, Christ Prakash; Tomar, K. P.; **Prashanth, Konda Gokuldoss** Materials letters 2021 / art. 130499, 4 p. : ill <https://doi.org/10.1016/j.matlet.2021.130499> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **NiTi-Cu bimetallic structure fabrication through wire arc additive manufacturing**

Singh, Shalini; Demidova, Elena; Resnina, Natalia; Belyaev, Sergey; Iyamperumal, P. A.; Paul, C. P.; **Prashanth, Konda Gokuldoss** Materials 2024 / art. 1006 <https://doi.org/10.3390/ma17051006>

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

Singh, Shalini; Palani, Iyamperumal Anand; Paul, Christ Prakash; Funk, Alexander; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2023 <https://doi.org/10.1089/3dp.2021.0296>