# Shenglu Lu

List of Publications by Year
in descending order



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|---|---|---|---|
| 22 papers | 893 citations | 516710 16 h-index | 677142 22 g-index |
| 22 all docs | 22 docs citations | 22 times ranked | 928 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Sliding wear behavior and electrochemical properties of binder jet additively manufactured 316SS /bronze composites in marine environment. Tribology International, 2021, 156, 106810. | 5.9 | 18 |
| 2 | Detailed assessments of tribological properties of binder jetting printed stainless steel and tungsten carbide infiltrated with bronze. Wear, 2021, 477, 203788. | 3.1 | 12 |
| 3 | Microstructure, tensile properties and deformation behaviour of a promising bio-applicable new Ti35Zr15Nb25Ta25 medium entropy alloy (MEA). Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 824, 141805. | 5.6 | 16 |
| 4 | Improving the accuracy and reliability of temperature field simulation during laser metal deposition. Australian Journal of Mechanical Engineering, 2021, 19, 630-641. | 2.1 | 1 |
| 5 | Fabrication of TiÂ+ÂMg composites by three-dimensional printing of porous Ti and subsequent pressureless infiltration of biodegradable Mg. Materials Science and Engineering C, 2020, 108, 110478. | 7.3 | 44 |
| 6 | Binder Jetting Additive Manufacturing of High Porosity 316L Stainless Steel Metal Foams. Materials, 2020, 13, 3744. | 2.9 | 34 |
| 7 | Fatigue Performance of Additively Manufactured Ti-6Al-4V: Surface Condition vs. Internal Defects. Jom, 2020, 72, 1022-1030. | 1.9 | 22 |
| 8 | High oxygen-content titanium and titanium alloys made from powder. Journal of Alloys and Compounds, 2020, 836, 155526. | 5.5 | 33 |
| 9 | Additively manufactured CoCrFeNiMn high-entropy alloy via pre-alloyed powder. Materials and Design, 2019, 168, 107576. | 7.0 | 124 |
| 10 | 3D characterization of defects in deep-powder-bed manufactured Tiâ€“6Alâ€“4V and their influence on tensile properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 761, 138031. | 5.6 | 40 |
| 11 | Intensified texture in selective electron beam melted Ti-6Al-4V thin plates by hot isostatic pressing and its fundamental influence on tensile fracture and properties. Materials Characterization, 2019, 152, 162-168. | 4.4 | 19 |
| 12 | Effect of overlap distance on the microstructure and mechanical properties of in situ welded parts built by electron beam melting process. Journal of Alloys and Compounds, 2019, 772, 247-255. | 5.5 | 20 |
| 13 | Laser welding of electron beam melted Ti-6Al-4V to wrought Ti-6Al-4V: Effect of welding angle on microstructure and mechanical properties. Journal of Alloys and Compounds, 2019, 782, 967-972. | 5.5 | 21 |
| 14 | Hybrid Binder to Mitigate Feed Powder Segregation in the Inkjet 3D Printing of Titanium Metal Parts. Metals, 2018, 8, 322. | 2.3 | 12 |
| 15 | Realizing a full volume component by in-situ welding during electron beam melting process. Additive Manufacturing, 2018, 22, 375-380. | 3.0 | 18 |
| 16 | Characterization and decompositional crystallography of the massive phase grains in an additively-manufactured Ti-6Al-4V alloy. Materials Characterization, 2017, 127, 146-152. | 4.4 | 26 |
| 17 | Study of Direct Fabrication of a Ti-6Al-4V Impeller on a Wrought Ti-6Al-4V Plate by Electron Beam Melting. Jom, 2017, 69, 2738-2744. | 1.9 | 29 |
| 18 | Layer Additive Production or Manufacturing of Thick Sections of Ti-6Al-4V by Selective Electron Beam Melting (SEBM). Jom, 2017, 69, 1836-1843. | 1.9 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Massive transformation in Tiâ€“6Alâ€“4V additively manufactured by selective electron beam melting. Acta Materialia, 2016, 104, 303-311. | 7.9 | 155 |
| 20 | Microstructure and Mechanical Properties of Long Ti-6Al-4V Rods Additively Manufactured by Selective Electron Beam Melting Out of a Deep Powder Bed and the Effect of Subsequent Hot Isostatic Pressing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 3824-3834. | 2.2 | 99 |
| 21 | A yttrium-containing high-temperature titanium alloy additively manufactured by selective electron beam melting. Journal of Central South University, 2015, 22, 2857-2863. | 3.0 | 11 |
| 22 | Additive manufacturing of a high niobium-containing titanium aluminide alloy by selective electron beam melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 636, 103-107. | 5.6 | 123 |