H P Tang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7843784/publications.pdf

Version: 2024-02-01

24	1,545	567281 15	642732 23
papers	citations	h-index	g-index

25	25	25	1589
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Powder Reuse Times on Additive Manufacturing of Ti-6Al-4V by Selective Electron Beam Melting. Jom, 2015, 67, 555-563.	1.9	338
2	Review of effect of oxygen on room temperature ductility of titanium and titanium alloys. Powder Metallurgy, 2014, 57, 251-257.	1.7	197
3	Additive manufacturing and postprocessing of Ti-6Al-4V for superior mechanical properties. MRS Bulletin, 2016, 41, 775-784.	3.5	197
4	Selective electron beam manufactured Ti-6Al-4V lattice structures for orthopedic implant applications: Current status and outstanding challenges. Current Opinion in Solid State and Materials Science, 2018, 22, 75-99.	11.5	165
5	Massive transformation in Tiâ€“6Alâ€“4V additively manufactured by selective electron beam melting. Acta Materialia, 2016, 104, 303-311.	7.9	155
6	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
7	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
8	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
9	Tantalum Bone Implants Printed by Selective Electron Beam Manufacturing (SEBM) and Their Clinical Applications. Jom, 2020, 72, 1016-1021.	1.9	34
10	Microstructure, Mechanical Properties, and Flatness of SEBM Ti-6Al-4V Sheet in As-Built and Hot Isostatically Pressed Conditions. Jom, 2017, 69, 466-471.	1.9	27
11	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
12	Toward Manufacturing Quality Ti-6Al-4V Lattice Struts by Selective Electron Beam Melting (SEBM) for Lattice Design. Jom, 2018, 70, 1870-1876.	1.9	26
13	3D printed breathable mould steel: Small micrometer-sized, interconnected pores by creatively introducing foaming agent to additive manufacturing. Materials and Design, 2019, 169, 107693.	7.0	24
14	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
15	A Honeycomb-Structured Ti-6Al-4V Oilâ€“Gas Separation Rotor Additively Manufactured by Selective Electron Beam Melting for Aero-engine Applications. Jom, 2016, 68, 799-805.	1.9	16
16	Liquid metal dealloying of titanium-tantalum (Ti-Ta) alloy to fabricate ultrafine Ta ligament structures: A comparative study in molten copper (Cu) and Cu-based alloys. Corrosion Science, 2020, 169, 108600.	6.6	14
17	Selective Electron Beam Manufacturing of Ti-6Al-4V Strips: Effect of Build Orientation, Columnar Grain Orientation, and Hot Isostatic Pressing on Tensile Properties. Jom, 2018, 70, 638-643.	1.9	12
18	Microstructure and Tensile Properties of Ti-48Al-2Cr-2Nb Rods Additively Manufactured by Selective Electron Beam Melting. Jom, 2017, 69, 2751-2755.	1.9	9

#	Article	IF	Citations
19	Fabrication of High Strength and Ductile Stainless Steel Fiber Felts by Sintering. Jom, 2016, 68, 890-898.	1.9	7
20	Ti-6Al-4V orthopedic implants made by selective electron beam melting. , 2018, , 239-249.		5
21	The Effect of PostProcessing on the Ductility and Strength of Ti-6Al-4V Lattice Materials. Jom, 2021, 73, 4119-4129.	1.9	4
22	Effect of sintering conditions on mechanical strength and gas permeability of long porous Inconel 625 tubes for hot gas filtration. Powder Metallurgy, 2016, 59, 203-208.	1.7	3
23	Effect of Pre-annealing on Sintering of Stainless Steel Fiber Felt. Jom, 2017, 69, 645-650.	1.9	3
24	Fabrication of Industrial-Scale Porous Stainless Steel Membrane Tubes and Their Applications. Jom, 2020, 72, 4576-4582.	1.9	2