

# Jayme S Keist

## List of Publications by Year in descending order

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19  
papers

912  
citations

687335

13  
h-index

839512

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1012  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flaw Identification in Additively Manufactured Parts Using X-ray Computed Tomography and Destructive Serial Sectioning. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 4958-4964.	2.5	11
2	Impact of retained austenite on the aging response of additively manufactured 17-4PH grade stainless steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 817, 141363.	5.6	20
3	Defects in Metal Additive Manufacturing Processes. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 4808-4818.	2.5	101
4	Role of changes in heat input on additively manufactured Ti-6Al-4V fabricated by directed energy deposition. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 822, 141541.	5.6	6
5	Impact of hot isostatic pressing on the mechanical and microstructural properties of additively manufactured Ti-6Al-4V fabricated using directed energy deposition. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 787, 139454.	5.6	25
6	Coupling in situ atomic force microscopy (AFM) and ultra-small-angle X-ray scattering (USAXS) to study the evolution of zinc morphology during electrodeposition within an imidazolium based ionic liquid electrolyte. <i>Electrochimica Acta</i> , 2020, 342, 136073.	5.2	8
7	Defects in Metal Additive Manufacturing Processes. , 2020, , 277-286.		12
8	Thermal and microstructural analysis of laser-based directed energy deposition for Ti-6Al-4V and Inconel 625 deposits. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 717, 1-10.	5.6	66
9	Impact of composition on the heat treatment response of additively manufactured 17-4 PH grade stainless steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 738, 44-56.	5.6	101
10	Microtexture in additively manufactured Ti-6Al-4V fabricated using directed energy deposition. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 734, 149-163.	5.6	33
11	Impact of Interlayer Dwell Time on Microstructure and Mechanical Properties of Nickel and Titanium Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 4411-4422.	2.2	39
12	Development of strength-hardness relationships in additively manufactured titanium alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 693, 214-224.	5.6	81
13	Role of geometry on properties of additively manufactured Ti-6Al-4V structures fabricated using laser based directed energy deposition. <i>Materials and Design</i> , 2016, 106, 482-494.	7.0	113
14	Anisotropic microstructure and superelasticity of additive manufactured NiTi alloy bulk builds using laser directed energy deposition. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 674, 125-134.	5.6	85
15	Intra-layer closed-loop control of build plan during directed energy additive manufacturing of Ti-6Al-4V. <i>Additive Manufacturing</i> , 2015, 6, 39-52.	3.0	62
16	An in situ AFM Study of the Evolution of Surface Roughness for Zinc Electrodeposition within an Imidazolium Based Ionic Liquid Electrolyte. <i>Electrochimica Acta</i> , 2015, 152, 161-171.	5.2	31
17	Coupling In-Situ Techniques to Analyze Zinc Deposition and Dissolution for Energy Storage Applications. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1491, 29.	0.1	2
18	Enhanced Performance of Dispenser Printed MA n-type Bi <sub>2</sub> Te <sub>3</sub> Composite Thermoelectric Generators. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6117-6124.	8.0	108

#	ARTICLE	IF	CITATIONS
19	Fluidized Bed Heat Treating of a Magnesium-Rare Earth Alloy. International Journal of Metalcasting, 0, 1.	1.9	0