

# Jayme S Keist

## List of Publications by Year in descending order

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19  
papers

912  
citations

687363

13  
h-index

839539

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. Journal of Materials Engineering and Performance, 2021, 30, 4958-4964.   | 2.5 | 11        |
| 2  | Impact of retained austenite on the aging response of additively manufactured 17-4ÂPH grade stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 817, 141363.  | 5.6 | 20        |
| 3  | Defects in Metal Additive Manufacturing Processes. Journal of Materials Engineering and Performance, 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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 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. Electrochimica Acta, 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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 738, 44-56.   | 5.6 | 101       |
| 10 | Microtexture in additively manufactured Ti-6Al-4V fabricated using directed energy deposition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 734, 149-163.   | 5.6 | 33        |
| 11 | Impact of Interlayer Dwell Time on Microstructure and Mechanical Properties of Nickel and Titanium Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4411-4422.   | 2.2 | 39        |
| 12 | Development of strength-hardness relationships in additively manufactured titanium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 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. Materials and Design, 2016, 106, 482-494.  | 7.0 | 113       |
| 14 | Anisotropic microstructure and superelasticity of additive manufactured NiTi alloy bulk builds using laser directed energy deposition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 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. Additive Manufacturing, 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. Electrochimica Acta, 2015, 152, 161-171.   | 5.2 | 31        |
| 17 | Coupling In-Situ Techniques to Analyze Zinc Deposition and Dissolution for Energy Storage Applications. Materials Research Society Symposia Proceedings, 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. ACS Applied Materials & Interfaces, 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         |