

# Faraz Deirmina

## List of Publications by Year in descending order

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17  
papers

333  
citations

1040056

9  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

256  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat treatment and properties of a hot work tool steel fabricated by additive manufacturing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 753, 109-121.	5.6	129
2	Effects of building direction and defect sensitivity on the fatigue behavior of additively manufactured H13 tool steel. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 108, 102634.	4.7	32
3	Towards controlling intrinsic heat treatment of maraging steel during laser directed energy deposition. <i>Scripta Materialia</i> , 2021, 201, 113973.	5.2	27
4	H13 partially stabilized zirconia nanocomposites fabricated by high-energy mechanical milling and selective laser melting. <i>Materials and Design</i> , 2018, 146, 286-297.	7.0	25
5	Tempering behavior of a direct laser deposited hot work tool steel: Influence of quenching on secondary hardening and microstructure. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 814, 141126.	5.6	21
6	Fracture toughness of a hot work tool steel-TiC composite produced by mechanical milling and spark plasma sintering. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 709, 152-159.	5.6	16
7	Strengthening mechanisms in an ultrafine grained powder metallurgical hot work tool steel produced by high energy mechanical milling and spark plasma sintering. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 743, 349-360.	5.6	16
8	Production of a Powder Metallurgical Hot Work Tool Steel with Harmonic Structure by Mechanical Milling and Spark Plasma Sintering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 1910-1920.	2.2	13
9	Production and characterization of a tool steel-PSZ composite by mechanical alloying and spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2017, 709, 742-751.	5.5	11
10	Architectural design of MWCNT reinforced AlSi10Mg matrix composites with comprehensive mechanical properties. <i>Composites Communications</i> , 2021, 25, 100716.	6.3	10
11	Effects of Powder Atomization Route and Post-Processing Thermal Treatments on the Mechanical Properties and Fatigue Resistance of Additively Manufactured 18Ni300 Maraging Steel. <i>Advanced Engineering Materials</i> , 2022, 24, 2101011.	3.5	10
12	Fracture Toughness of a Hot Work Tool Steel Fabricated by Laser Powder Bed Fusion Additive Manufacturing. <i>Steel Research International</i> , 2020, 91, 1900449.	1.8	9
13	Production and Characterization of a Modified Hot Work Tool Steel by Laser Powder Bed Fusion. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 2642-2651.	2.2	7
14	Mechanical properties and tempering resistance of an ultrafine grained Tool Steel-PSZ composite fabricated by high energy mechanical milling and spark plasma sintering. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 786, 139428.	5.6	3
15	Properties of Laser Metal Fused AlSi10Mg Alloy Processed Using Different Heat Treatments. <i>BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik</i> , 2020, 165, 164-168.	1.0	3
16	Powder metallurgy opens new ways for tool steels. <i>International Journal of Microstructure and Materials Properties</i> , 2017, 12, 250.	0.1	1
17	Powder metallurgy opens new ways for tool steels. <i>International Journal of Microstructure and Materials Properties</i> , 2017, 12, 250.	0.1	0