Kanwal Chadha

List of Publications by Year
in descending order

22	347	840119 11	839053 18
papers	citations	h-index	g-index

22	22	22	200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microtextural Characterization of Additively Manufactured SS316L After Hot Isostatic Pressing Heat Treatment. Metals and Materials International, 2022, 28, 237-249.	1.8	10
2	Laser powder bed fusion of M789 maraging steel on Crâ€“Mo N709 steel: Microstructure, texture, and mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 839, 142827.	2.6	8
3	Strengthening mechanisms in a new precipitation hardening stainless steel fabricated by laser powder bed fusion. MRS Communications, 2022, 12, 365-369.	0.8	1
4	Effect of Double Hit Hot Deformation on the Evolution of Dynamically Transformed Ferrite. Metals and Materials International, 2021, 27, 4307-4321.	1.8	2
5	Laser powder bed fusion of ultra-high-strength 420 stainless steel: Microstructure characterization, texture evolution and mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 805, 140790.	2.6	24
6	Strengthening mechanisms in a heatvar hot work tool steel fabricated by laser powder bed fusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 805, 140801.	2.6	10
7	Dual-metal laser powder bed fusion of iron- and cobalt-based alloys. Materials Characterization, 2021, 178, 111285.	1.9	8
8	Constitutive modeling of the hot deformation behavior of CoCrFeMnNi high-entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 826, 141940.	2.6	37
9	The effect of heat treatments on mechanical properties of M789 steel fabricated by laser powder bed fusion. Journal of Alloys and Compounds, 2021, 885, 161033.	2.8	12
10	Influence of Process Parameters on Microstructure Evolution During Hot Deformation of a Eutectic High-Entropy Alloy (EHEA). Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 6406-6420.	1.1	18
11	The Effect of Retained Work Hardening on the Driving Force for Dynamic Transformation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 5617-5622.	1.1	2
12	Microstructural features of novel corrosion-resistant maraging steel manufactured by laser powder bed fusion. Materials Letters, 2020, 275, 128026.	1.3	31
13	Microstructure Evolution, Mechanical Properties and Deformation Behavior of an Additively Manufactured Maraging Steel. Materials, 2020, 13, 2380.	1.3	38
14	Effect of Annealing Heat Treatment on the Microstructural Evolution and Mechanical Properties of Hot Isostatic Pressed 316L Stainless Steel Fabricated by Laser Powder Bed Fusion. Metals, 2020, 10, 753.	1.0	37
15	Characterization of Subsurface Microstructural Alterations Induced by Hard Turning of Inconel 718. Journal of Materials Engineering and Performance, 2019, 28, 7016-7024.	1.2	11
16	On the Role of Chromium in Dynamic Transformation of Austenite. Metals and Materials International, 2019, 25, 559-569.	1.8	8
17	Cracking and Failure in a High Strength Low Alloy Steel during Solidification. Materials Science Forum, 2018, 941, 15-20.	0.3	1
18	Influence of strain rate on dynamic transformation of austenite in an as-cast medium-carbon low-alloy steel. Materialia, 2018, 1, 155-167.	1.3	12

#	Article	IF	Citations
19	Deformation and Recrystallization Behavior of the Cast StructureÂin Large Size, High Strength Steel Ingots: Experimentation and Modeling. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4297-4313.	1.1	16
20	Modeling Metadynamic Recrystallization of a Die Steel during Ingot Breakdown Process. MATEC Web of Conferences, 2016, 80, 06004.	0.1	3
21	Formation of WidmanstÃtten ferrite at very high temperatures in the austenite phase field. Acta Materialia, 2016, 109, 23-31.	3.8	49
22	Influence of ECAP processing temperature and number of passes on hardness and microstructure of Al-6063. Advances in Materials and Processing Technologies, 0, , 1-12.	0.8	9