Zhuqing Wang

List of Publications by Year
in descending order

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12	1,297	840776 11	1199594 12
papers	citations	h-index	g-index

12	12	12	1447
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Orientation and stress state dependent plasticity and damage initiation behavior of stainless steel 304L manufactured by laser powder bed fusion additive manufacturing. Extreme Mechanics Letters, 2021, 45, 101271.	4.1	3
2	Stress state-dependent mechanics of additively manufactured 304L stainless steel: Part 2 â€“ Characterization and modeling of macroscopic plasticity behavior. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 743, 824-831.	5.6	12
3	Stress state-dependent mechanics of additively manufactured 304L stainless steel: Part 1 â€“ characterization and modeling of the effect of stress state and texture on microstructural evolution. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 743, 811-823.	5.6	20
4	Stress relaxation in a nickel-base superalloy at elevated temperatures with in situ neutron diffraction characterization: Application to additive manufacturing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 714, 75-83.	5.6	35
5	Absence of dynamic strain aging in an additively manufactured nickel-base superalloy. Nature Communications, 2018, 9, 2083.	12.8	59
6	Effect of chemistry on martensitic phase transformation kinetics and resulting properties of additively manufactured stainless steel. Acta Materialia, 2017, 131, 410-422.	7.9	51
7	Crystallographic texture in an additively manufactured nickel-base superalloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 684, 47-53.	5.6	89
8	Stress relaxation behavior and mechanisms in Ti-6Al-4V determined via in situ neutron diffraction: Application to additive manufacturing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 707, 585-592.	5.6	40
9	Quantitative relationship between anisotropic strain to failure and grain morphology in additively manufactured Ti-6Al-4V. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 706, 287-294.	5.6	78
10	Residual stress mapping in Inconel 625 fabricated through additive manufacturing: Method for neutron diffraction measurements to validate thermomechanical model predictions. Materials and Design, 2017, 113, 169-177.	7.0	247
11	Diffraction and single-crystal elastic constants of Inconel 625 at room and elevated temperatures determined by neutron diffraction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 674, 406-412.	5.6	86
12	Effect of processing parameters on microstructure and tensile properties of austenitic stainless steel 304L made by directed energy deposition additive manufacturing. Acta Materialia, 2016, 110, 226-235.	7.9	577