Tung Lik Lee

List of Publications by Year
in descending order

22 papers	672 citations	759233 12 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	629 citing authors

#	Article	IF	Citations
1	Anisotropic behaviours of LPBF Hastelloy X under slow strain rate tensile testing at elevated temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 844, 143174.	5.6	7
2	Î³â€³ variant-sensitive deformation behaviour of Inconel 718 superalloy. Journal of Materials Science and Technology, 2022, 126, 169-181.	10.7	7
3	3D Phase Field Modeling of Multi-Dendrites Evolution in Solidification and Validation by Synchrotron X-ray Tomography. Materials, 2021, 14, 520.	2.9	2
4	Internal stresses in a clad pressure vessel steel during post weld heat treatment and their relevance to underclad cracking. International Journal of Pressure Vessels and Piping, 2021, 193, 104448.	2.6	5
5	A novel numerical method to predict the transient track geometry and thermomechanical effects through in-situ modification of the process parameters in Direct Energy Deposition. Finite Elements in Analysis and Design, 2020, 169, 103347.	3.2	12
6	Hydrogen embrittlement in super duplex stainless steels. Materialia, 2020, 9, 100524.	2.7	24
7	Characterization of residual stress in laser melting deposited CoCrFeMnNi high entropy alloy by neutron diffraction. Materials Letters, 2020, 263, 127247.	2.6	16
8	Data on residual stresses of mooring chains measured by neutron diffraction and hole drilling techniques. Data in Brief, 2020, 30, 105587.	1.0	2
9	Evaluation of residual stresses induced by cold spraying of Ti-6Al-4V on Ti-6Al-4V substrates. Surface and Coatings Technology, 2019, 374, 591-602.	4.8	37
10	A validated analytical-numerical modelling strategy to predict residual stresses in single-track laser deposited IN718. International Journal of Mechanical Sciences, 2019, 151, 609-621.	6.7	31
11	In situ high speed imaging study and modelling of the fatigue fragmentation of dendritic structures in ultrasonic fields. Acta Materialia, 2019, 165, 388-397.	7.9	58
12	Residual stress and texture control in Ti-6Al-4V wireâ€¯+â€¯arc additively manufactured intersections by stress relief and rolling. Materials and Design, 2018, 150, 193-205.	7.0	137
13	Effect of hydrogen charging on dislocation multiplication in pre-strained super duplex stainless steel. Scripta Materialia, 2018, 143, 20-24.	5.2	22
14	Ultrafast synchrotron X-ray imaging studies of microstructure fragmentation in solidification under ultrasound. Acta Materialia, 2018, 144, 505-515.	7.9	112
15	Modelling and neutron diffraction characterization of the interfacial bonding of spray formed dissimilar steels. Acta Materialia, 2018, 155, 318-330.	7.9	10
16	Time-of-Flight Neutron Imaging on IMAT@ISIS: A New User Facility for Materials Science. Journal of Imaging, 2018, 4, 47.	3.0	50
17	Numerical and physical simulation of rapid microstructural evolution of gas atomised Ni superalloy powders. Materials and Design, 2017, 117, 157-167.	7.0	4
18	Characterization of the residual stresses in spray-formed steels using neutron diffraction. Scripta Materialia, 2015, 100, 82-85.	5.2	8

#	Article	IF	Citations
19	High-Speed Synchrotron X-ray Imaging Studies of the Ultrasound Shockwave and Enhanced Flow during Metal Solidification Processes. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 2851-2861.	2.2	53
20	In Situ Synchrotron X-ray Study of Ultrasound Cavitation and Its Effect on Solidification Microstructures. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2015, 46, 1615-1619.	2.1	41
21	The interdendritic-melt solidification control (IMSC) and its effects on the porosity and phase change of a Ni-based superalloy. Scripta Materialia, 2014, 74, 84-87.	5.2	18
22	Ultrafast X-Ray Imaging and Modelling of Ultrasonic Cavitations in Liquid Metal. Materials Science Forum, 0, 765, 190-194.	0.3	16