

Junyi Lee

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

282
citations

840776

11
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

304
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining microstructural characterization with crystal plasticity and phase-field modelling for the study of static recrystallization in pure aluminium. <i>Computational Materials Science</i> , 2020, 173, 109419.	3.0	8
2	Investigating spatio-temporal deformation in single crystal Ni-based superalloys using in-situ diffraction experiments and modelling. <i>Materialia</i> , 2020, 9, 100635.	2.7	2
3	A novel constitutive model for multi-step stress relaxation ageing of a pre-strained 7xxx series alloy. <i>International Journal of Plasticity</i> , 2018, 106, 31-47.	8.8	59
4	Deformation behaviour of [001] oriented MgO using combined in-situ nano-indentation and micro-Laue diffraction. <i>Acta Materialia</i> , 2018, 145, 516-531.	7.9	12
5	Effect of porosities on tensile properties of laser-welded Al-Li alloy: an experimental and modelling study. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 659-671.	3.0	25
6	Static recrystallization study on pure aluminium using crystal plasticity finite element and phase-field modelling. <i>Procedia Manufacturing</i> , 2018, 15, 1800-1807.	1.9	5
7	Experimental Investigations of the In-Die Quenching Efficiency and Die Surface Temperature of Hot Stamping Aluminium Alloys. <i>Metals</i> , 2018, 8, 231.	2.3	13
8	An investigation of the mechanical behavior of three-dimensional low expansion lattice structures fabricated via laser printing. <i>Composite Structures</i> , 2018, 206, 80-94.	5.8	3
9	Optimal shunt parameters for maximising wave attenuation with periodic piezoelectric patches. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 108-123.	2.5	2
10	A buckling model for flange wrinkling in hot deep drawing aluminium alloys with macro-textured tool surfaces. <i>International Journal of Machine Tools and Manufacture</i> , 2017, 114, 21-34.	13.4	29
11	An analytical investigation on the wrinkling of aluminium alloys during stamping using macro-scale structural tooling surfaces. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 92, 481-495.	3.0	5
12	Investigation on failure modes and mechanical properties of CFRP-Ti6Al4V hybrid joints with different interface patterns using digital image correlation. <i>Materials and Design</i> , 2016, 101, 188-196.	7.0	23
13	A parametric study of the mechanical and dispersion properties of cubic lattice structures. <i>International Journal of Solids and Structures</i> , 2016, 91, 55-71.	2.7	17
14	Measuring the band structures of periodic beams using the wave superposition method. <i>Journal of Sound and Vibration</i> , 2016, 382, 158-178.	3.9	14
15	An inverse method to determine the dispersion curves of periodic structures based on wave superposition. <i>Journal of Sound and Vibration</i> , 2015, 350, 41-72.	3.9	32
16	Size-dependent mechanical properties in AA6082 tailor welded specimens. <i>Journal of Materials Processing Technology</i> , 2015, 224, 169-180.	6.3	18
17	An investigation of the mechanical fatigue behavior of low thermal expansion lattice structures. <i>International Journal of Fatigue</i> , 2015, 81, 238-248.	5.7	3
18	In situ microtensile testing and X-ray microtomography-based finite element modelling of open-cell metal foam struts and sandwich panels. <i>Journal of Strain Analysis for Engineering Design</i> , 2014, 49, 592-606.	1.8	12