Yong Pang

List of Publications by Year
in descending order

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9 papers	106 citations	1478505 6 h-index	1474206 9 g-index
9 all docs	9 docs citations	9 times ranked	99 citing authors

#	Article	IF	Citations
1	A 3D phenomenological yield function with both in and out-of-plane mechanical anisotropy using full-field crystal plasticity spectral method for modelling sheet metal forming of strong textured aluminum alloy. International Journal of Solids and Structures, 2020, 193-194, 117-133.	2.7	28
2	Numerical investigation of evolution of earing, anisotropic yield and plastic potentials in cold rolled FCC aluminium alloy based on the crystallographic texture measurements. European Journal of Mechanics, A/Solids, 2019, 75, 41-55.	3.7	26
3	Measurement of deformation of the concrete sleepers under different support conditions using non-contact laser speckle imaging sensor. Engineering Structures, 2020, 205, 110054.	5.3	18
4	An investigation of plastic behaviour in cold-rolled aluminium alloy AA2024-T3 using laser speckle imaging sensor. International Journal of Advanced Manufacturing Technology, 2019, 103, 2707-2724.	3.0	8
5	A new temperature-dependent anisotropic constitutive model for predicting deformation and spring-back in warm deep drawing of automotive AA5086-H111 aluminium alloy sheet. International Journal of Advanced Manufacturing Technology, 2018, 97, 3407-3421.	3.0	6
6	Development of a non-contact and non-destructive laser speckle imaging system for remote sensing of anisotropic deformation around fastener holes. NDT and E International, 2020, 111, 102219.	3.7	6
7	A multi-scale modelling framework for anisotropy prediction in aluminium alloy sheet and its application in the optimisation of the deep-drawing process. International Journal of Advanced Manufacturing Technology, 2021, 114, 3401-3417.	3.0	6
8	Enhanced laser speckle optical sensor for in situ strain sensing and structural health monitoring. Optics Letters, 2020, 45, 2331.	3.3	5
9	The structural integrity of flash-butt welded premium rail steel â€“ Evaluation of strength, microstructure and defects. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2021, 235, 1006-1012.	2.0	3