Komi Espoir N'souglo

List of Publications by Year
in descending order

11 papers	74 citations	1478505 6 h-index	1474206 9 g-index
14 all docs	14 docs citations	14 times ranked	63 citing authors

#	Article	IF	Citations
1	Theoretical predictions of dynamic necking formability of ductile metallic sheets with evolving plastic anisotropy and tension-compression asymmetry. International Journal of Material Forming, 2022, 15, .	2.0	0
2	A three-pronged approach to predict the effect of plastic orthotropy on the formability of thin sheets subjected to dynamic biaxial stretching. Journal of the Mechanics and Physics of Solids, 2021, 146, 104189.	4.8	10
3	Effect of the third invariant on the formation of necking instabilities in ductile plates subjected to plane strain tension. Meccanica, 2021, 56, 1789-1818.	2.0	1
4	A new analytical model to predict the formation of necking instabilities in porous plates subjected to dynamic biaxial loading. International Journal of Fracture, 2021, 232, 181.	2.2	1
5	Dynamic shear instabilities in metallic sheets subjected to shear-compression loading. Journal of the Mechanics and Physics of Solids, 2020, 144, 104108.	4.8	2
6	The effect of tension-compression asymmetry on the formation of dynamic necking instabilities under plane strain stretching. International Journal of Plasticity, 2020, 128, 102656.	8.8	10
7	Dynamic spherical cavity expansion in Gurson materials with uniform and non-uniform distributions of porosity. Mechanics of Materials, 2019, 134, 115-131.	3.2	6
8	The combined effect of plastic orthotropy and tension-compression asymmetry on the development of necking instabilities in flat tensile specimens subjected to dynamic loading. International Journal of Solids and Structures, 2019, 159, 272-288.	2.7	17
9	Investigation of the impact response of PMMA-based nano-rubbers under various temperatures. Journal of Polymer Research, 2018, 25, 1.	2.4	8
10	Random distributions of initial porosity trigger regular necking patterns at high strain rates. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170575.	2.1	11
11	Non-uniform distributions of initial porosity in metallic materials affect the growth rate of necking instabilities in flat tensile samples subjected to dynamic loading. Mechanics Research Communications, 2018, 91, 87-92.	1.8	6