Shwetabh Yadav

List of Publications by Year
in descending order

12	96	1478505 6	1372567 10
papers	citations	h-index	g-index

12	12	12	105
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental investigations on deformation of soft rock during cutting. International Journal of Rock Mechanics and Minings Sciences, 2018, 105, 123-132.	5.8	19
2	Dynamics of shear band instabilities in cutting of metals. CIRP Annals - Manufacturing Technology, 2019, 68, 45-48.	3.6	14
3	Grain-subdivision-dominated microstructure evolution in shear bands at high rates. Materials Research Letters, 2020, 8, 328-334.	8.7	13
4	Deformation field evolution in indentation of a porous brittle solid. International Journal of Solids and Structures, 2015, 66, 35-45.	2.7	12
5	In situ analysis of shear bands and boundary layer formation in metals. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190519.	2.1	11
6	Incipient straining in severe plastic deformation methods. Journal of Materials Research, 2014, 29, 718-728.	2.6	10
7	Shear Bands in Materials Processing: Understanding the Mechanics of Flow Localization From Zener's Time to the Present. Applied Mechanics Reviews, 2020, 72, .	10.1	6
8	Porosity and geometry control ductile to brittle deformation in indentation of porous solids. International Journal of Solids and Structures, 2016, 88-89, 11-16.	2.7	5
9	Nucleation properties of isolated shear bands. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200529.	2.1	4
10	Nucleation and Boundary Layer Growth of Shear Bands in Machining. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, .	2.2	2
11	A Comparative Study of Indentation Deformation Fields in Porous Ductile and Brittle Solids. , 2017, , .		0
12	An Experimental Study of Wedge Indentation of Porous Solids: Implications for Cutting and Drilling Processes. , 2018, , .		0