Denny D Tjahjanto

List of Publications by Year
in descending order

12	2,001	1040056 9	1199594 12
papers	citations	h-index	g-index

12	12	12	1820
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Overview of constitutive laws, kinematics, homogenization and multiscale methods in crystal plasticity finite-element modeling: Theory, experiments, applications. Acta Materialia, 2010, 58, 1152-1211.	7.9	1,558
2	DAMASK: the DÃ¼sseldorf Advanced MAterial Simulation Kit for studying crystal plasticity using an FE based or a spectral numerical solver. Procedia IUTAM, 2012, 3, 3-10.	1.2	159
3	Crystallographically based model for transformation-induced plasticity in multiphase carbon steels. Continuum Mechanics and Thermodynamics, 2008, 19, 399-422.	2.2	65
4	Modelling of the effects of grain orientation on transformation-induced plasticity in multiphase carbon steels. Modelling and Simulation in Materials Science and Engineering, 2006, 14, 617-636.	2.0	59
5	A microâ€“meso-model of intra-laminar fracture in fiber-reinforced composites based on a discontinuous Galerkin/cohesive zone method. Engineering Fracture Mechanics, 2013, 104, 162-183.	4.3	54
6	Micromechanical predictions of TRIP steel behavior as a function of microstructural parameters. Computational Materials Science, 2007, 41, 107-116.	3.0	43
7	Comparison of texture evolution in fcc metals predicted by various grain cluster homogenization schemes. International Journal of Materials Research, 2009, 100, 500-509.	0.3	24
8	Transformation-induced plasticity in multiphase steels subjected to thermomechanical loading. Philosophical Magazine, 2008, 88, 3369-3387.	1.6	16
9	A Micromechanical Study of the Deformation Behavior of TRIPâ€Assisted Multiphase Steels as a Function of the Microstructural Parameters of the Retained Austenite. Advanced Engineering Materials, 2009, 11, 153-157.	3.5	9
10	Texture prediction from a novel grain cluster-based homogenization scheme. International Journal of Material Forming, 2009, 2, 523-526.	2.0	5
11	Relaxed grain cluster (RGC) homogenization scheme. International Journal of Material Forming, 2009, 2, 939-942.	2.0	5
12	Parametric study of multiphase TRIP steels undergoing cyclic loading. Computational Materials Science, 2011, 50, 1490-1498.	3.0	4