T A Parthasarathy

List of Publications by Year
in descending order

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13	679	840776 11	1058476 14
papers	citations	h-index	g-index

15	15	15	551
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transformation Plasticity in (<scp><scp>Gd</scp></scp>_x<scp><scp>Dy</scp></scp>_{1â^'x})<scp><scp>PO</scp></scp>₄ Fiber Coatings During Fiber Push Out. Journal of the American Ceramic Society, 2013, 96, 1586-1595.	3.8	21
2	Overview of experiments on microcrystal plasticity in FCC-derivative materials: selected challenges for modelling and simulation of plasticity. Modelling and Simulation in Materials Science and Engineering, 2007, 15, 135-146.	2.0	63
3	Estimating the strength of single-ended dislocation sources in micron-sized single crystals. Philosophical Magazine, 2007, 87, 4777-4794.	1.6	159
4	Modelling plasticity of Ni3Al-based L12intermetallic single crystals. II. Two-step (T1andT2) deformation behaviour. Philosophical Magazine, 2007, 87, 4759-4775.	1.6	5
5	Monazite Coatings on SiC Fibers I: Fiber Strength and Thermal Stability. Journal of the American Ceramic Society, 2006, 89, 3475-3480.	3.8	39
6	Composition, lattice parameters, and room temperature elastic constants of natural single crystal xenotime from Novo Horizonte. Physics and Chemistry of Minerals, 2006, 33, 691-698.	0.8	28
7	Discrete dislocation simulations of precipitation hardening in inverse superalloys. Philosophical Magazine Letters, 2006, 86, 215-225.	1.2	20
8	Discrete dislocation simulations of precipitation hardening in superalloys. Philosophical Magazine, 2004, 84, 3195-3215.	1.6	52
9	Atomistic simulation of cross-slip processes in model fcc structures. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 1167-1192.	0.6	95
10	Green's function boundary conditions in two-dimensional and three-dimensional atomistic simulations of dislocations. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1998, 77, 231-256.	0.6	107
11	Implications from pre-straining experiments on emerging kink-based models for anomalous flow in L1₂alloys. Philosophical Magazine Letters, 1995, 71, 21-31.	1.2	20
12	Molecular statics simulations of core structures and motion of dislocations in NiAl. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1993, 67, 643-662.	0.6	56
13	Molecular Statics Simulations of the Motion of a Single Kink in NiAl. Materials Research Society Symposia Proceedings, 1992, 288, 311.	0.1	4