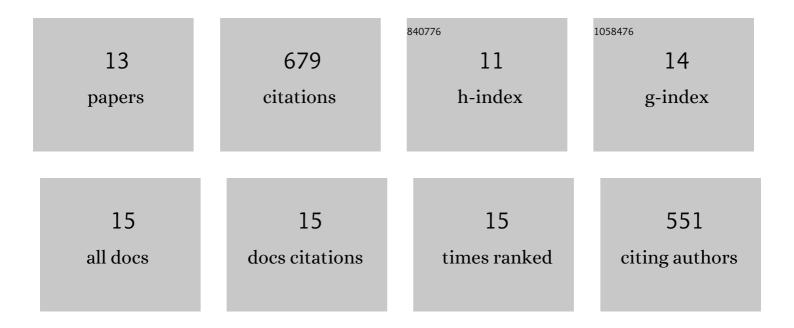
T A Parthasarathy

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-------------------------------------|-----------|
| 1 | Estimating the strength of single-ended dislocation sources in micron-sized single crystals. Philosophical Magazine, 2007, 87, 4777-4794. | 1.6 | 159 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Discrete dislocation simulations of precipitation hardening in superalloys. Philosophical Magazine, 2004, 84, 3195-3215. | 1.6 | 52 |
| 7 | Monazite Coatings on SiC Fibers I: Fiber Strength and Thermal Stability. Journal of the American Ceramic Society, 2006, 89, 3475-3480. | 3.8 | 39 |
| 8 | 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 |
| 9 | Transformation Plasticity in (<scp><scp>Gd</scp></scp> _{<i>x</i>} <scp>Cd</scp> _{1â^<i>x</i>}) <scp><s Fiber Coatings During Fiber Push Out. Journal of the American Ceramic Society, 2013, 96, 1586-1595.</s </scp> | sc jax &O <td>cp2xl<</td> | cp2xl< |
| 10 | Implications from pre-straining experiments on emerging kink-based models for anomalous flow in L1 ₂ alloys. Philosophical Magazine Letters, 1995, 71, 21-31. | 1.2 | 20 |
| 11 | Discrete dislocation simulations of precipitation hardening in inverse superalloys. Philosophical Magazine Letters, 2006, 86, 215-225. | 1.2 | 20 |
| 12 | Modelling plasticity of Ni3Al-based L12intermetallic single crystals. II. Two-step (T1andT2) deformation behaviour. Philosophical Magazine, 2007, 87, 4759-4775. | 1.6 | 5 |
| 13 | Molecular Statics Simulations of the Motion of a Single Kink in NiAl. Materials Research Society Symposia Proceedings, 1992, 288, 311. | 0.1 | 4 |