

Ramana Murali Srinivasan

List of Publications by Year in descending order

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14
papers

285
citations

1306789

7
h-index

1372195

10
g-index

14
all docs

14
docs citations

14
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic Scale Structure and Chemical Composition across Order-Disorder Interfaces. Physical Review Letters, 2009, 102, 086101.	2.9	99
2	Contribution of thermally scattered electrons to atomic resolution elemental maps. Physical Review B, 2012, 86, .	1.1	62
3	Nanoscale Characterization of Elemental Partitioning between Gamma and Gamma Prime Phases in RenÃ©88 DT Nickel-Base Superalloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 24-35.	1.1	50
4	Constitutive Equations for Large Plastic Deformation of Metals. Journal of Engineering Materials and Technology, Transactions of the ASME, 1983, 105, 162-167.	0.8	26
5	Observations and modelling of aÃ©011Ã©% dislocations in NiAl at intermediate temperatures. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1998, 77, 801-823.	0.8	23
6	The mechanics of slip transition at intermediate temperatures in <001>-oriented NiAl single crystals II. A metastable state for $\frac{1}{2}\langle 111 \rangle\{110\}$ dislocations in NiAl and its role in their decomposition. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2000, 80, 2855-2870.	0.8	7
7	The mechanics of slip transition at intermediate temperatures in <001>-oriented NiAl single crystals I. Experimental observations of the decomposition of $\frac{1}{2}\langle 111 \rangle$ dislocations in NiÃ©44 at.% Al. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2000, 80, 2841-2854.	0.8	7
8	Observations of glide and decomposition of aÃ©101Ã© dislocations at high temperatures in Ni-Al single crystals deformed along the hard orientation. Philosophical Magazine, 2003, 83, 1111-1135.	0.7	5
9	Slip Transition and Dislocation Structures in Off-Stoichiometric NiAl Single Crystals. Materials Research Society Symposia Proceedings, 1996, 460, 505.	0.1	3
10	Effects of Deviation from Stoichiometry on Deformation Behavior of Hard-Oriented NiAl Single Crystals. Materials Research Society Symposia Proceedings, 1998, 552, 1.	0.1	2
11	Observations and modelling of aÃ©011Ã©% dislocations in NiAl at intermediate temperatures. , 0, .		1
12	Dislocation Structure and Deformation Behavior of Intermetallic Compounds. Materials Research Society Symposia Proceedings, 1999, 578, 169.	0.1	0
13	Dislocation Processes and Deformation Behavior in <001>-Oriented FeX-Ni60Ã©X-Al40 Single Crystals. Materials Research Society Symposia Proceedings, 2000, 646, 480.	0.1	0
14	The Strong Effect of Microporous Column Depth on the Lithiation-Delithiation Behavior in Si Electrodes for Li-Ion Cells and the Resistance to Mechanical Damage. Journal of Electronic Materials, 2022, 51, 857-875.	1.0	0