

# Ramana Murali Srinivasan

## List of Publications by Year in descending order

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14  
papers

285  
citations

1306789

7  
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1372195

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docs citations

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times ranked

352  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Journal of Electronic Materials</i> , 2022, 51, 857-875.	1.0	0
2	Contribution of thermally scattered electrons to atomic resolution elemental maps. <i>Physical Review B</i> , 2012, 86, .	1.1	62
3	Nanoscale Characterization of Elemental Partitioning between Gamma and Gamma Prime Phases in RenÃ©88 DT Nickel-Base Superalloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 24-35.	1.1	50
4	Atomic Scale Structure and Chemical Composition across Order-Disorder Interfaces. <i>Physical Review Letters</i> , 2009, 102, 086101.	2.9	99
5	Observations of glide and decomposition of $\{101\}$ dislocations at high temperatures in Ni-Al single crystals deformed along the hard orientation. <i>Philosophical Magazine</i> , 2003, 83, 1111-1135.	0.7	5
6	The mechanics of slip transition at intermediate temperatures in $\langle 001 \rangle$ -oriented NiAl single crystals II. A metastable state for $\{111\}$ dislocations in NiAl and its role in their decomposition. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2000, 80, 2855-2870.	0.8	7
7	The mechanics of slip transition at intermediate temperatures in $\langle 001 \rangle$ -oriented NiAl single crystals I. Experimental observations of the decomposition of $\{111\}$ dislocations in Ni-44 at.% Al. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2000, 80, 2841-2854.	0.8	7
8	Dislocation Processes and Deformation Behavior in $\langle 001 \rangle$ -Oriented FeX-Ni60-X-Al40 Single Crystals. <i>Materials Research Society Symposia Proceedings</i> , 2000, 646, 480.	0.1	0
9	Dislocation Structure and Deformation Behavior of Intermetallic Compounds. <i>Materials Research Society Symposia Proceedings</i> , 1999, 578, 169.	0.1	0
10	Observations and modelling of $\{111\}$ dislocations in NiAl at intermediate temperatures. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1998, 77, 801-823.	0.8	23
11	Effects of Deviation from Stoichiometry on Deformation Behavior of Hard-Oriented NiAl Single Crystals. <i>Materials Research Society Symposia Proceedings</i> , 1998, 552, 1.	0.1	2
12	Slip Transition and Dislocation Structures in Off-Stoichiometric NiAl Single Crystals. <i>Materials Research Society Symposia Proceedings</i> , 1996, 460, 505.	0.1	3
13	Constitutive Equations for Large Plastic Deformation of Metals. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 1983, 105, 162-167.	0.8	26
14	Observations and modelling of $\{111\}$ dislocations in NiAl at intermediate temperatures. , 0, .		1