

Nagamani Jaya B

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

347
citations

1307594

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1058476

14
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14
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14
docs citations

14
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	Can microscale fracture tests provide reliable fracture toughness values? A case study in silicon. Journal of Materials Research, 2015, 30, 686-698.	2.6	129
2	A new method for fracture toughness determination of graded (Pt,Ni)Al bond coats by microbeam bend tests. Philosophical Magazine, 2012, 92, 3326-3345.	1.6	53
3	Crack stability in edge-notched clamped beam specimens: modeling and experiments. International Journal of Fracture, 2014, 188, 213-228.	2.2	47
4	Fracture Testing at Small-Length Scales: From Plasticity in Si to Brittleness in Pt. Jom, 2016, 68, 94-108.	1.9	39
5	Optimization of clamped beam geometry for fracture toughness testing of micron-scale samples. Philosophical Magazine, 2015, 95, 1945-1966.	1.6	28
6	In-situ study of microscale fracture of diffusion aluminide bond coats: Effect of platinum. Journal of Materials Research, 2015, 30, 3343-3353.	2.6	14
7	The edge-notched clamped beam bend specimen as a fracture toughness test geometry. Theoretical and Applied Fracture Mechanics, 2020, 105, 102409.	4.7	13
8	Mode dependent evaluation of fracture behaviour using cantilever bending. Theoretical and Applied Fracture Mechanics, 2021, 115, 103069.	4.7	6
9	Energy Release Rate Formulations for Non-conventional Fracture Test Geometries. Jom, 2021, 73, 1597-1606.	1.9	5
10	Defining role of wire aspect ratio on fracture toughness determination of brittle materials in cylindrical configuration. Journal of Materials Research, 2022, 37, 990-1002.	2.6	3
11	Morse-Code inspired architectures for tunable damage tolerance in brittle material systems. Journal of Materials Research, 2022, 37, 1201-1215.	2.6	3
12	Finite Element Modeling of Indentation Behavior of Dual Phase Steels: Role of Plastic Zone Size in Property Mapping. Jom, 2022, 74, 2245-2260.	1.9	3
13	Non-conventional Small-Scale Mechanical Testing of Materials. Journal of the Indian Institute of Science, 2022, 102, 139-171.	1.9	3