

Babur Deliktas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

401
citations

9
h-index

16
g-index

16
ext. papers

423
ext. citations

4.9
avg, IF

3.52
L-index

#	Paper	IF	Citations
16	A coupled anisotropic damage model for the inelastic response of composite materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2000 , 183, 159-199	5.7	122
15	Formulation of strain gradient plasticity with interface energy in a consistent thermodynamic framework. <i>International Journal of Plasticity</i> , 2009 , 25, 1997-2024	7.6	61
14	Mechanics of strain gradient plasticity with particular reference to decomposition of the state variables into energetic and dissipative components. <i>International Journal of Engineering Science</i> , 2009 , 47, 1405-1423	5.7	43
13	Multiscale Analysis of Multiple Damage Mechanisms Coupled with Inelastic Behavior of Composite Materials. <i>Journal of Engineering Mechanics - ASCE</i> , 2001 , 127, 636-645	2.4	43
12	Nonlocal gradient-dependent modeling of plasticity with anisotropic hardening. <i>International Journal of Plasticity</i> , 2010 , 26, 1335-1356	7.6	35
11	Modeling of strengthening and softening in inelastic nanocrystalline materials with reference to the triple junction and grain boundaries using strain gradient plasticity. <i>Acta Mechanica</i> , 2010 , 213, 3-26	2.1	24
10	Multi-scale analysis of multiple damage mechanisms coupled with inelastic behavior of composite materials. <i>Mechanics Research Communications</i> , 2000 , 27, 295-300	2.2	20
9	Computer technology for enhancing teaching and learning modules of engineering mechanics. <i>Computer Applications in Engineering Education</i> , 2011 , 19, 421-432	1.6	18
8	Friction coefficient evaluation using physically based viscoplasticity model at the contact region during high velocity sliding. <i>Acta Mechanica</i> , 2010 , 213, 39-52	2.1	11
7	Thermodynamically consistent coupled viscoplastic damage model for perforation and penetration in metal matrix composite materials. <i>Composites Part B: Engineering</i> , 2009 , 40, 427-433	10	9
6	Simulation of perforation and penetration in metal matrix composite materials using coupled viscoplastic damage model. <i>Composites Part B: Engineering</i> , 2009 , 40, 434-442	10	8
5	Theoretical and Experimental Characterization for the Inelastic Behavior of the Micro-/Nanostructured Thin Films Using Strain Gradient Plasticity With Interface Energy. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2009 , 131,	1.8	6
4	Role of strain concentration factors in predicting the inelastic behavior of laminated composite material. <i>Composites Part B: Engineering</i> , 2009 , 40, 267-274	10	1
3	Modeling High-Speed Impact Failure of Metallic Materials: Nonlocal Approaches 2019 , 939-969		
2	Modeling High-Speed Impact Failure of Metallic Materials: Nonlocal Approaches 2018 , 1-31		
1	Consistent Non Local Coupled Damage Model and Its Application in Impact Response of Composite Materials. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2011 , 3-102	0.6	