

# Babur Deliktas

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

467  
citations

1040018

9  
h-index

1125717

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

284  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	6.6	138
2	Formulation of strain gradient plasticity with interface energy in a consistent thermodynamic framework. <i>International Journal of Plasticity</i> , 2009, 25, 1997-2024.	8.8	67
3	Multiscale Analysis of Multiple Damage Mechanisms Coupled with Inelastic Behavior of Composite Materials. <i>Journal of Engineering Mechanics - ASCE</i> , 2001, 127, 636-645.	2.9	52
4	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.	5.0	47
5	Nonlocal gradient-dependent modeling of plasticity with anisotropic hardening. <i>International Journal of Plasticity</i> , 2010, 26, 1335-1356.	8.8	38
6	Computer technology for enhancing teaching and learning modules of engineering mechanics. <i>Computer Applications in Engineering Education</i> , 2011, 19, 421-432.	3.4	36
7	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	27
8	Multi-scale analysis of multiple damage mechanisms coupled with inelastic behavior of composite materials. <i>Mechanics Research Communications</i> , 2000, 27, 295-300.	1.8	24
9	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	12
10	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.	12.0	9
11	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.	12.0	9
12	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, .	1.4	7
13	Role of strain concentration factors in predicting the inelastic behavior of laminated composite material. <i>Composites Part B: Engineering</i> , 2009, 40, 267-274.	12.0	1
14	Modeling High-Speed Impact Failure of Metallic Materials: Nonlocal Approaches. , 2019, , 939-969.		0
15	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	0
16	Modeling High-Speed Impact Failure of Metallic Materials: Nonlocal Approaches. , 2018, , 1-31.		0