

Albrecht Bertram

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

464
citations

840776

11
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

253
citing authors

#	ARTICLE	IF	CITATIONS
1	Elasticity and Plasticity of Large Deformations. , 2012, , .		89
2	An alternative approach to finite plasticity based on material isomorphisms. International Journal of Plasticity, 1999, 15, 353-374.	8.8	73
3	Finite-Element Analysis of Polyhedra under Point and Line Forces in Second-Strain Gradient Elasticity. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	70
4	Isogeometric analysis of first and second strain gradient elasticity. Computational Mechanics, 2018, 61, 351-363.	4.0	38
5	The thermodynamics of gradient elastoplasticity. Continuum Mechanics and Thermodynamics, 2014, 26, 269-286.	2.2	31
6	Finite gradient elasticity and plasticity: a constitutive mechanical framework. Continuum Mechanics and Thermodynamics, 2015, 27, 1039-1058.	2.2	29
7	Gradient materials with internal constraints. Mathematics and Mechanics of Complex Systems, 2016, 4, 1-15.	0.9	28
8	On the introduction of thermoplasticity. Acta Mechanica, 2012, 223, 2257-2268.	2.1	24
9	On the Rank 1 Convexity of Stored Energy Functions of Physically Linear Stress-Strain Relations. Journal of Elasticity, 2007, 86, 235-243.	1.9	21
10	Material systems "A framework for the description of material behavior. Archive for Rational Mechanics and Analysis, 1982, 80, 99-133.	2.4	18
11	Finite Third-order Gradient Elasticity and Thermoelasticity. Journal of Elasticity, 2018, 133, 223-252.	1.9	14
12	Finite gradient elasticity and plasticity: a constitutive thermodynamical framework. Continuum Mechanics and Thermodynamics, 2016, 28, 869-883.	2.2	13
13	Finite Third-Order Gradient Elastoplasticity and Thermoplasticity. Journal of Elasticity, 2020, 138, 169-193.	1.9	7
14	On viscous gradient fluids. Continuum Mechanics and Thermodynamics, 2020, 32, 1385-1401.	2.2	5
15	The Eigenmodes in Isotropic Strain Gradient Elasticity. Advanced Structured Materials, 2016, , 163-178.	0.5	4
16	Finite Gradient Elasticity and Plasticity. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2020, , 151-168.	0.6	0