

Vladimir Buljak

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

230
citations

1307594

7
h-index

1372567

10
g-index

13
all docs

13
docs citations

13
times ranked

183
citing authors

#	ARTICLE	IF	CITATIONS
1	Proper Orthogonal Decomposition and Radial Basis Functions in material characterization based on instrumented indentation. <i>Engineering Structures</i> , 2011, 33, 492-501.	5.3	73
2	An effective computational tool for parametric studies and identification problems in materials mechanics. <i>Computational Mechanics</i> , 2011, 48, 675-687.	4.0	34
3	Inverse Analyses with Model Reduction. <i>Computational Fluid and Solid Mechanics</i> , 2012, , .	0.5	33
4	Assessment of elastic-plastic material parameters comparatively by three procedures based on indentation test and inverse analysis. <i>Inverse Problems in Science and Engineering</i> , 2011, 19, 815-837.	1.2	28
5	MECHANICAL CHARACTERIZATION OF MATERIALS AND DIAGNOSIS OF STRUCTURES BY INVERSE ANALYSES: SOME INNOVATIVE PROCEDURES AND APPLICATIONS. <i>International Journal of Computational Methods</i> , 2014, 11, 1343002.	1.3	22
6	Calibration of Drucker-Prager Cap Constitutive Model for Ceramic Powder Compaction through Inverse Analysis. <i>Materials</i> , 2021, 14, 4044.	2.9	12
7	Characterization of MgAl ₂ O ₄ sintered ceramics. <i>Science of Sintering</i> , 2019, 51, 363-376.	1.4	12
8	Simulating Fiber-Reinforced Concrete Mechanical Performance Using CT-Based Fiber Orientation Data. <i>Materials</i> , 2019, 12, 717.	2.9	6
9	Parameter identification in elastoplastic material models by Small Punch Tests and inverse analysis with model reduction. <i>Meccanica</i> , 2018, 53, 3815-3829.	2.0	5
10	Reduced order numerical modeling for calibration of complex constitutive models in powder pressing simulations. <i>Science of Sintering</i> , 2017, 49, 331-345.	1.4	3
11	Materials Mechanical Characterizations and Structural Diagnoses by Inverse Analyses. , 2015, , 619-642.		2
12	Skorohod-Olevsky viscous sintering model sensitivity to temperature distribution during the sintering process. <i>FME Transactions</i> , 2021, 49, 719-725.	1.4	0
13	Material model calibration through indentation test and stochastic inverse analysis. <i>FME Transactions</i> , 2017, 45, 109-116.	1.4	0