

Konstantinos Baxevanakis

List of Publications by Year in descending order

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23
papers

287
citations

933264
10
h-index

887953
17
g-index

23
all docs

23
docs citations

23
times ranked

190
citing authors

#	ARTICLE	IF	CITATIONS
1	Some basic contact problems in couple stress elasticity. International Journal of Solids and Structures, 2014, 51, 2084-2095.	1.3	55
2	Acoustic emission signal processing framework to identify fracture in aluminum alloys. Engineering Fracture Mechanics, 2019, 210, 367-380.	2.0	42
3	Analysis of the tilted flat punch in couple-stress elasticity. International Journal of Solids and Structures, 2016, 85-86, 34-43.	1.3	36
4	Modelling short crack propagation in a single crystal nickel-based superalloy using crystal plasticity and XFEM. International Journal of Fatigue, 2020, 136, 105594.	2.8	26
5	Finite element analysis of discrete edge dislocations: Configurational forces and conserved integrals. International Journal of Solids and Structures, 2015, 62, 52-65.	1.3	19
6	Energy dissipation via acoustic emission in ductile crack initiation. International Journal of Fracture, 2016, 199, 89-104.	1.1	13
7	Discrete crystal plasticity modelling of slip-controlled cyclic deformation and short crack growth under low cycle fatigue. International Journal of Fatigue, 2021, 145, 106095.	2.8	12
8	Impact of polyurea-coated metallic targets: Computational framework. Composite Structures, 2021, 267, 113893.	3.1	12
9	Interaction of cracks with dislocations in couple-stress elasticity. Part II: Shear modes. International Journal of Solids and Structures, 2017, 118-119, 192-203.	1.3	11
10	Interaction of cracks with dislocations in couple-stress elasticity. Part I: Opening mode. International Journal of Solids and Structures, 2017, 118-119, 179-191.	1.3	11
11	Progressive failure monitoring and analysis in aluminium by in situ nondestructive evaluation. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2133-2145.	1.7	10
12	Interfacial debonding in compacted graphite iron: effect of thermal loading. Procedia Structural Integrity, 2020, 28, 1286-1294.	0.3	9
13	Validation of a cyclic plasticity computational method using fatigue full-field deformation measurements. Fatigue and Fracture of Engineering Materials and Structures, 2016, 39, 722-736.	1.7	8
14	A displacement-based formulation for interaction problems between cracks and dislocation dipoles in couple-stress elasticity. International Journal of Solids and Structures, 2019, 159, 1-20.	1.3	5
15	Finite element analysis of Volterra dislocations in anisotropic crystals: A thermal analogue. Archive of Applied Mechanics, 2007, 77, 113-122.	1.2	4
16	An integrated approach to model strain localization bands in magnesium alloys. Computational Mechanics, 2018, 61, 119-135.	2.2	3
17	Interaction problems between cracks and crystal defects in constrained Cosserat elasticity. Journal of Micromechanics and Molecular Physics, 2018, 03, 1840011.	0.7	3
18	Data-Driven Damage Model Based on Nondestructive Evaluation. Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems, 2018, 1, 031007-031007-12.	0.7	3

#	ARTICLE	IF	CITATIONS
19	Polyurea-coated glass-fibre-reinforced laminate under high-speed impact: experimental study. <i>Procedia Structural Integrity</i> , 2020, 28, 1572-1578.	0.3	3
20	An investigation of short crack propagation in a single crystal Ni-based superalloy using crystal plasticity and the extended finite element method. <i>Procedia Structural Integrity</i> , 2020, 28, 1176-1183.	0.3	2
21	A framework of modelling slip-controlled crack growth in polycrystals using crystal plasticity and XFEM. <i>Journal of Physics: Conference Series</i> , 2021, 1885, 042014.	0.3	0
22	Performance of Cast Iron under Thermal Loading: Effect of Graphite Morphology. <i>Physical Mesomechanics</i> , 2021, 24, 598-610.	1.0	0
23	Ballistic performance of polyurea-coated thin aluminium plates: numerical study. <i>Procedia Structural Integrity</i> , 2020, 28, 1258-1266.	0.3	0