

# Konstantinos Baxevanakis

## List of Publications by Year in descending order

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23  
papers

287  
citations

933264  
10  
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887953  
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23  
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docs citations

23  
times ranked

190  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete crystal plasticity modelling of slip-controlled cyclic deformation and short crack growth under low cycle fatigue. <i>International Journal of Fatigue</i> , 2021, 145, 106095.	2.8	12
2	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
3	Impact of polyurea-coated metallic targets: Computational framework. <i>Composite Structures</i> , 2021, 267, 113893.	3.1	12
4	Performance of Cast Iron under Thermal Loading: Effect of Graphite Morphology. <i>Physical Mesomechanics</i> , 2021, 24, 598-610.	1.0	0
5	Modelling short crack propagation in a single crystal nickel-based superalloy using crystal plasticity and XFEM. <i>International Journal of Fatigue</i> , 2020, 136, 105594.	2.8	26
6	Polyurea-coated glass-fibre-reinforced laminate under high-speed impact: experimental study. <i>Procedia Structural Integrity</i> , 2020, 28, 1572-1578.	0.3	3
7	Interfacial debonding in compacted graphite iron: effect of thermal loading. <i>Procedia Structural Integrity</i> , 2020, 28, 1286-1294.	0.3	9
8	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
9	Ballistic performance of polyurea-coated thin aluminium plates: numerical study. <i>Procedia Structural Integrity</i> , 2020, 28, 1258-1266.	0.3	0
10	Progressive failure monitoring and analysis in aluminium by in situ nondestructive evaluation. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 2133-2145.	1.7	10
11	A displacement-based formulation for interaction problems between cracks and dislocation dipoles in couple-stress elasticity. <i>International Journal of Solids and Structures</i> , 2019, 159, 1-20.	1.3	5
12	Acoustic emission signal processing framework to identify fracture in aluminum alloys. <i>Engineering Fracture Mechanics</i> , 2019, 210, 367-380.	2.0	42
13	An integrated approach to model strain localization bands in magnesium alloys. <i>Computational Mechanics</i> , 2018, 61, 119-135.	2.2	3
14	Interaction problems between cracks and crystal defects in constrained Cosserat elasticity. <i>Journal of Micromechanics and Molecular Physics</i> , 2018, 03, 1840011.	0.7	3
15	Data-Driven Damage Model Based on Nondestructive Evaluation. <i>Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems</i> , 2018, 1, 031007-031007-12.	0.7	3
16	Interaction of cracks with dislocations in couple-stress elasticity. Part II: Shear modes. <i>International Journal of Solids and Structures</i> , 2017, 118-119, 192-203.	1.3	11
17	Interaction of cracks with dislocations in couple-stress elasticity. Part I: Opening mode. <i>International Journal of Solids and Structures</i> , 2017, 118-119, 179-191.	1.3	11
18	Energy dissipation via acoustic emission in ductile crack initiation. <i>International Journal of Fracture</i> , 2016, 199, 89-104.	1.1	13

#	ARTICLE	IF	CITATIONS
19	Validation of a cyclic plasticity computational method using fatigue full-field deformation measurements. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2016, 39, 722-736.	1.7	8
20	Analysis of the tilted flat punch in couple-stress elasticity. <i>International Journal of Solids and Structures</i> , 2016, 85-86, 34-43.	1.3	36
21	Finite element analysis of discrete edge dislocations: Configurational forces and conserved integrals. <i>International Journal of Solids and Structures</i> , 2015, 62, 52-65.	1.3	19
22	Some basic contact problems in couple stress elasticity. <i>International Journal of Solids and Structures</i> , 2014, 51, 2084-2095.	1.3	55
23	Finite element analysis of Volterra dislocations in anisotropic crystals: A thermal analogue. <i>Archive of Applied Mechanics</i> , 2007, 77, 113-122.	1.2	4