

Daniel Camas

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

520
citations

623734

14
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

203
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical study of the thickness transition in bi-dimensional specimen cracks. International Journal of Fatigue, 2011, 33, 921-928.	5.7	54
2	Crack front curvature: Influence and effects on the crack tip fields in bi-dimensional specimens. International Journal of Fatigue, 2012, 44, 41-50.	5.7	47
3	A numerical analysis of CTOD in constant amplitude fatigue crack growth. Theoretical and Applied Fracture Mechanics, 2016, 85, 45-55.	4.7	46
4	Stress intensity factor analysis of through thickness effects. International Journal of Fatigue, 2013, 46, 58-66.	5.7	42
5	A numerical study of plasticity induced crack closure under plane strain conditions. International Journal of Fatigue, 2015, 71, 75-86.	5.7	38
6	Numerical modelling of three-dimensional fatigue crack closure: Mesh refinement. International Journal of Fatigue, 2018, 113, 193-203.	5.7	38
7	Finite element meshes for optimal modelling of plasticity induced crack closure. Engineering Fracture Mechanics, 2015, 142, 184-200.	4.3	35
8	Numerical and experimental study of the plastic zone in cracked specimens. Engineering Fracture Mechanics, 2017, 185, 20-32.	4.3	35
9	A study of the evolution of crack tip plasticity along a crack front. Theoretical and Applied Fracture Mechanics, 2018, 98, 59-66.	4.7	27
10	Study of the stress intensity factor analysis through thickness: methodological aspects. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1295-1308.	3.4	24
11	Effect of compressive loads on plasticity induced crack closure. Theoretical and Applied Fracture Mechanics, 2015, 80, 193-204.	4.7	19
12	Three-dimensional fatigue crack closure numerical modelling: Crack growth scheme. Theoretical and Applied Fracture Mechanics, 2020, 108, 102623.	4.7	17
13	Fatigue crack propagation analysis in 2024-T351 aluminium alloy using nonlinear parameters. International Journal of Fatigue, 2021, 153, 106478.	5.7	16
14	Empirical model for plasticity-induced crack closure based on K_{max} and $\hat{I}^m K$. Fatigue and Fracture of Engineering Materials and Structures, 2015, 38, 983-996.	3.4	15
15	Numerical modelling of three-dimensional fatigue crack closure: Plastic wake simulation. International Journal of Fatigue, 2020, 131, 105344.	5.7	15
16	Numerical and Experimental Analysis of Crack Closure. Key Engineering Materials, 0, 385-387, 369-372.	0.4	12
17	Corrections in numerical methodology to evaluate plasticity induced crack closure along the thickness. Theoretical and Applied Fracture Mechanics, 2018, 97, 215-223.	4.7	10
18	Numerical prediction of fatigue threshold of metallic materials in vacuum. Engineering Fracture Mechanics, 2019, 216, 106491.	4.3	7

#	ARTICLE	IF	CITATIONS
19	Numerical Study of the Influence of the Crack Front Curvature in the Evolution of the Plastic Zone along the CT Specimen Thickness. Key Engineering Materials, 0, 465, 119-122.	0.4	4
20	Study of Fatigue Cracks with Numerical and Experimental Methods. Procedia Engineering, 2016, 160, 13-20.	1.2	4
21	Elastic correction of fatigue crack growth laws. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1052-1061.	3.4	4
22	Numerical and experimental study of mixed-mode cracks in non-uniform stress field. Procedia Engineering, 2011, 10, 1691-1696.	1.2	3
23	Key Aspects in 3D Fatigue Crack Closure Numerical Modelling. Key Engineering Materials, 2018, 774, 441-446.	0.4	3
24	Numerical Analysis of the Influence of Crack Growth Scheme on Plasticity Induced Crack Closure Results. Structural Integrity, 2019, , 155-160.	1.4	3
25	Numerical analysis of the influence of the last cycle scheme on plasticity induced crack closure. Procedia Structural Integrity, 2019, 17, 894-899.	0.8	2
26	Numerical Analysis of the Pivot Node in Fracture Problems. Key Engineering Materials, 0, 774, 473-478.	0.4	0
27	Influence of plastic wake length on results of 3D numerical modelling of plasticity induced crack closure. Procedia Structural Integrity, 2019, 23, 607-612.	0.8	0