

Vasco-Olmo, JosÃ© Manuel

List of Publications by Year in descending order

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papers

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108
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterisation of fatigue crack growth using digital image correlation measurements of plastic CTOD. Theoretical and Applied Fracture Mechanics, 2019, 101, 332-341.	4.7	55
2	Experimental evaluation of shielding effect on growing fatigue cracks under overloads using ESPI. International Journal of Fatigue, 2016, 83, 117-126.	5.7	29
3	Crack tip plastic zone evolution during an overload cycle and the contribution of plasticity-induced shielding to crack growth rate changes. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 2172-2186.	3.4	29
4	Plastic CTOD as fatigue crack growth characterising parameter in 2024â€³ and 7050â€³ aluminium alloys using DIC. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 1719-1730.	3.4	18
5	A more effective rationalisation of fatigue crack growth rate data for various specimen geometries and stress ratios using the CJP model. International Journal of Fatigue, 2018, 114, 189-197.	5.7	17
6	Experimental evaluation of the effect of overloads on fatigue crack growth by analysing crack tip displacement fields. Engineering Fracture Mechanics, 2016, 166, 82-96.	4.3	15
7	Limitations of small-scale yielding for fatigue crack growth. Engineering Fracture Mechanics, 2021, 252, 107806.	4.3	14
8	Experimental evaluation of effective stress intensity factor using thermoelastic stress analysis and digital image correlation. International Journal of Fatigue, 2020, 135, 105567.	5.7	11
9	Numerical tool for the analysis of CTOD curves obtained by DIC or FEM. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 2984-2997.	3.4	8
10	Numerical determination of plastic $\langle \text{CTOD} \rangle$. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 2197-2207.	3.4	7
11	Characterisation of fatigue crack growth using the CJP model of crack tip fields or plastic CTOD. Procedia Structural Integrity, 2019, 23, 613-619.	0.8	7
12	Characterization of non-planar crack tip displacement fields using a differential geometry approach in combination with 3D digital image correlation. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 1521-1536.	3.4	4
13	Interpretation of Plasticity Effects Using the CJP Crack Tip Field Model. Solid State Phenomena, 0, 258, 117-124.	0.3	3
14	Evaluation of small-scale yielding boundary using digital image correlation results. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 1276-1291.	3.4	3
15	Validity of small-scale yielding regime in notched-cracked geometries. International Journal of Fatigue, 2022, 154, 106563.	5.7	2
16	Experimental evaluation of plastic wake on growing fatigue cracks from the analysis of residual displacement fields. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 1494-1504.	3.4	2