

Giancarlo Gonzales

List of Publications by Year in descending order

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papers

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1307594

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docs citations

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137
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress Concentration Evaluation of a Plate with Symmetrical U-Notches Under Tensile Load Using TSA and a Lepton IR Camera. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 29-39.	0.5	1
2	Mechanical behavior of strain-hardening cement-based composites (SHCC) subjected to torsional loading and to combined torsional and axial loading. Materials and Design, 2021, 198, 109371.	7.0	16
3	Infrared Thermography Applied to the Assessment of Fatigue Initiation. Conference Proceedings of the Society for Experimental Mechanics, 2021, , 57-66.	0.5	1
4	Characterization of discontinuous crack closure behavior after the application of a single overload cycle. Theoretical and Applied Fracture Mechanics, 2021, 114, 103028.	4.7	8
5	DIC-IR Analysis of Transient Thermal Stresses. Conference Proceedings of the Society for Experimental Mechanics, 2021, , 67-73.	0.5	0
6	Fatigue of buried dented pipeline specimens. Procedia Structural Integrity, 2021, 33, 159-170.	0.8	2
7	Measuring elastoplastic strain loops in the near crack-tip region using a Stereo Microscope DIC system. International Journal of Fatigue, 2020, 133, 105427.	5.7	13
8	Challenging the “K is the driving force for fatigue crack growth” hypothesis. International Journal of Fatigue, 2020, 136, 105577.	5.7	10
9	Fatigue Monitoring of a Dented Pipeline Specimen Using Infrared Thermography, DIC and Fiber Optic Strain Gages. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 57-66.	0.5	0
10	Fatigue Assessment of Dented Pipeline Specimens. , 2020, , .		1
11	Crack-Tip Plastic Zone Size and Shape via DIC. Conference Proceedings of the Society for Experimental Mechanics, 2019, , 5-10.	0.5	5
12	Verification of the “Keff hypothesis along the fatigue crack path in thin and thick Al specimens. Frattura Ed Integrita Strutturale, 2019, 13, 26-35.	0.9	2
13	Using DIC techniques to measure strain ranges inside the cyclic plastic zone ahead of a fatigue crack tip. Frattura Ed Integrita Strutturale, 2019, 13, 74-81.	0.9	3
14	Fatigue Assessment and Monitoring of a Dented Pipeline Specimen. , 2019, , .		1
15	Crack tip displacement fields measured by digital image correlation for evaluating variable mode-mixity during fatigue crack growth. International Journal of Fatigue, 2018, 115, 53-66.	5.7	25
16	Detecting Fatigue Crack Closure and Crack Growth Delays After an Overload Using DIC Measurements. Conference Proceedings of the Society for Experimental Mechanics, 2018, , 57-65.	0.5	3
17	Thermography Applied to the Study of Fatigue Crack Propagation in Polycarbonate. Experimental Mechanics, 2018, 58, 269-282.	2.0	6
18	Fatigue Monitoring of a Dented Piping Specimen Using Infrared Thermography. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	A J-integral approach using digital image correlation for evaluating stress intensity factors in fatigue cracks with closure effects. Theoretical and Applied Fracture Mechanics, 2017, 90, 14-21.	4.7	53
20	DIC Analysis for Crack Closure Investigations During Fatigue Crack Growth Following Overloads. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 151-156.	0.5	1
21	Determining SIFs Using DIC Considering Crack Closure and Blunting. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 25-36.	0.5	7
22	Determining Stress Intensity Factors Using Hybrid Thermoelastic Analysis. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 37-45.	0.5	1
23	On DIC measurements of DeltaKeff to verify if it is the FCG driving force. Frattura Ed Integrita Strutturale, 2017, 11, 227-235.	0.9	2
24	Variable mode-mixity during fatigue cycles " crack tip parameters determined from displacement fields measured by digital image correlation. Frattura Ed Integrita Strutturale, 2017, 11, 314-322.	0.9	10
25	Strains in Shallow and Deep Notches Using Two DIC Algorithms. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 281-294.	0.5	1
26	Determination of a U-Notch Stress Concentration Factor Using Thermoelasticity. Journal of Mechanics Engineering and Automation, 2016, 6, .	0.0	1
27	Strain field measurements around notches using SIFT features and meshless methods. Applied Optics, 2015, 54, 4520.	1.8	11