

Jean-Christophe Duprã©

List of Publications by Year in descending order

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14
papers

303
citations

1040056

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1199594

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15
all docs

15
docs citations

15
times ranked

262
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Calibration of a system of projection moirÃ© for relief measuring: biomechanical applications. Optics and Lasers in Engineering, 2004, 41, 241-260. | 3.8 | 59 |
| 2 | Comparison between X-ray micro-computed tomography and optical scanning tomography for full 3D strain measurement by digital volume correlation. NDT and E International, 2008, 41, 407-415. | 3.7 | 52 |
| 3 | Experimental and numerical study of the load distribution in a ball-screw system. Journal of Mechanical Science and Technology, 2014, 28, 1411-1420. | 1.5 | 34 |
| 4 | Investigation of microstructure-property relationships of magnesia-hercynite refractory composites by a refined digital image correlation technique. Journal of the European Ceramic Society, 2019, 39, 3893-3902. | 5.7 | 31 |
| 5 | Shortcut in DIC error assessment induced by image interpolation used for subpixel shifting. Optics and Lasers in Engineering, 2017, 91, 124-133. | 3.8 | 28 |
| 6 | Numerical spectral analysis of a grid: Application to strain measurements. Optics and Lasers in Engineering, 1993, 18, 159-172. | 3.8 | 20 |
| 7 | Evaluation of three-dimensional and two-dimensional full displacement fields of a single edge notch fracture mechanics specimen, in light of experimental data using X-ray tomography. Engineering Fracture Mechanics, 2009, 76, 2371-2383. | 4.3 | 19 |
| 8 | Detection of cracks in refractory materials by an enhanced digital image correlation technique. Journal of Materials Science, 2018, 53, 977-993. | 3.7 | 19 |
| 9 | Separation of isochromatic and isoclinic patterns of a slice optically isolated in a 3-D photoelastic medium. European Journal of Mechanics, A/Solids, 1999, 18, 633-640. | 3.7 | 11 |
| 10 | Biomechanical analysis of the thoracolumbar spine under physiological loadings: Experimental motion data corridors for validation of finite element models. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 975-981. | 1.8 | 10 |
| 11 | High-temperature digital image correlation techniques for full-field strain and crack length measurement on ceramics at 1200°C: Optimization of speckle pattern and uncertainty assessment. Optics and Lasers in Engineering, 2021, 146, 106716. | 3.8 | 7 |
| 12 | Fracture process analysis in Magnesia-Hercynite refractory materials by combining an enhanced Digital Image Correlation method with Wedge Splitting Test. Theoretical and Applied Fracture Mechanics, 2021, 116, 103134. | 4.7 | 7 |
| 13 | <title>Characterization of biological materials by means of optical methods of measurement</title>., 2001, , . | | 3 |
| 14 | Optical Techniques for Relief Study of Mona Lisaâ€™s Wooden Support. , 2007, , 67-68. | | 3 |