

Vincent Le Saux

List of Publications by Year in descending order

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19
papers

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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Infrared Image Processing to Guide the Identification of Damage and Dissipative Mechanisms in 3D Layer-to-Layer Woven Composites. <i>Applied Composite Materials</i> , 2022, 29, 1449-1477. | 1.3 | 3 |
| 2 | Understanding the damage mechanisms in 3D layer-to-layer woven composites from thermal and acoustic measurements. <i>Journal of Composite Materials</i> , 2022, 56, 1559-1575. | 1.2 | 3 |
| 3 | Constitutive equations for the cyclic behaviour of short carbon fibre-reinforced thermoplastics and identification on a uniaxial database. <i>Continuum Mechanics and Thermodynamics</i> , 2020, 32, 403-420. | 1.4 | 5 |
| 4 | Microstructural observations supporting thermography measurements for short glass fibre thermoplastic composites under fatigue loading. <i>Continuum Mechanics and Thermodynamics</i> , 2020, 32, 451-469. | 1.4 | 9 |
| 5 | A model to describe the cyclic anisotropic mechanical behavior of short fiber-reinforced thermoplastics. <i>Mechanics of Time-Dependent Materials</i> , 2020, 24, 481-503. | 2.3 | 1 |
| 6 | Peak and Average Power Handling Capability of Microstrip Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019, 67, 3436-3448. | 2.9 | 12 |
| 7 | Fast screening of the fatigue properties of thermoplastics reinforced with short carbon fibers based on thermal measurements. <i>Polymer Testing</i> , 2018, 68, 19-26. | 2.3 | 18 |
| 8 | Fast screening of the fatigue properties of thermoplastics reinforced with short carbon fibers based on a heat build-up protocol. <i>MATEC Web of Conferences</i> , 2018, 165, 08001. | 0.1 | 3 |
| 9 | Complex fibers orientation distribution evaluation in short glass fiber-reinforced thermoplastic (PA66 GF50). <i>MATEC Web of Conferences</i> , 2018, 165, 22026. | 0.1 | 3 |
| 10 | Fatigue initiation mechanisms in elastomers: a microtomography-based analysis. <i>MATEC Web of Conferences</i> , 2018, 165, 08005. | 0.1 | 8 |
| 11 | Investigation of thermo-oxidative ageing effects on the fatigue design of automotive anti-vibration parts. <i>MATEC Web of Conferences</i> , 2018, 165, 08004. | 0.1 | 2 |
| 12 | Fast prediction of the fatigue behavior of short-fiber-reinforced thermoplastics based on heat build-up measurements: application to heterogeneous cases. <i>Continuum Mechanics and Thermodynamics</i> , 2017, 29, 1113-1133. | 1.4 | 12 |
| 13 | Proposition of an uncoupled approach for the identification of cyclic heat sources from temperature fields in the presence of large strains. <i>Continuum Mechanics and Thermodynamics</i> , 2017, 29, 1163-1179. | 1.4 | 3 |
| 14 | Energy Recovery From Microstrip Passive Circuits. <i>IEEE Access</i> , 2016, 4, 9716-9723. | 2.6 | 3 |
| 15 | FATIGUE CRACK INITIATION IN A CARBON BLACK-FILLED NATURAL RUBBER. <i>Rubber Chemistry and Technology</i> , 2016, 89, 126-141. | 0.6 | 70 |
| 16 | Study on energy recovery from substrate integrated waveguide circuits. , 2015, , . | | 1 |
| 17 | Average Power Handling Capability of Microstrip Passive Circuits Considering Metal Housing and Environment Conditions. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2014, 4, 1624-1633. | 1.4 | 24 |
| 18 | Contribution of accurate thermal measurements to the characterisation of thermomechanical properties of rubber-like materials. <i>Plastics, Rubber and Composites</i> , 2012, 41, 277-284. | 0.9 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Evaluation of the fatigue defect population in an elastomer using X-ray computed microtomography. Polymer Engineering and Science, 2011, 51, 1253-1263. | 1.5 | 30 |