

# Vincent Le Saux

## List of Publications by Year in descending order

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19  
papers

216  
citations

1307366

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h-index

996849

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docs citations

19  
times ranked

175  
citing authors

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

#	ARTICLE	IF	CITATIONS
19	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