

Nicolas Lammens

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

478
citations

933447

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1125743

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all docs

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docs citations

15
times ranked

546
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain Measurements of Composite Laminates with Embedded Fibre Bragg Gratings: Criticism and Opportunities for Research. <i>Sensors</i> , 2011, 11, 384-408.	3.8	207
2	Microstructured Optical Fiber Sensors Embedded in a Laminate Composite for Smart Material Applications. <i>Sensors</i> , 2011, 11, 2566-2579.	3.8	70
3	Improved accuracy in the determination of flexural rigidity of textile fabrics by the Peirce cantilever test (ASTM D1388). <i>Textile Research Journal</i> , 2014, 84, 1307-1314.	2.2	41
4	Residual strain monitoring of out-of-autoclave cured parts by use of polarization dependent loss measurements in embedded optical fiber Bragg gratings. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 52, 38-44.	7.6	33
5	Identification of the Elastic Properties of Isotropic and Orthotropic Thin-Plate Materials with the Pulsed Ultrasonic Polar Scan. <i>Experimental Mechanics</i> , 2014, 54, 1121-1132.	2.0	33
6	Finite element prediction of resin pocket geometry around embedded optical fiber sensors in prepreg composites. <i>Composite Structures</i> , 2015, 132, 825-832.	5.8	16
7	Towards 3D printed multifunctional immobilization for proton therapy: Initial materials characterization. <i>Medical Physics</i> , 2016, 43, 5392-5402.	3.0	15
8	Fast reconstruction of a bounded ultrasonic beam using acoustically induced piezo-luminescence. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	14
9	A Micro-Computed Tomography Technique to Study the Quality of Fibre Optics Embedded in Composite Materials. <i>Sensors</i> , 2015, 15, 10852-10871.	3.8	13
10	Towards micro-structured optical fiber sensors for transverse strain sensing in smart composite materials. , 2011, , .		11
11	Finite element prediction of resin pocket geometries around arbitrary inclusions in composites: Case study for an embedded optical fiber interrogator. <i>Composite Structures</i> , 2016, 146, 95-107.	5.8	10
12	Extraction of bulk wave characteristics from a pulsed ultrasonic polar scan. <i>Wave Motion</i> , 2014, 51, 1071-1081.	2.0	9
13	Optimization of coating diameter of fiber optic sensors embedded in composite structures under arbitrary loading conditions. <i>Smart Materials and Structures</i> , 2015, 24, 115003.	3.5	4
14	‘Gradient’ polar scan technique for material characterization. , 2012, , .		1
15	Internal strain monitoring in composite materials with embedded photonic crystal fiber Bragg gratings. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1