

Philippe Guy

List of Publications by Year in descending order

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27
papers

432
citations

840776

11
h-index

839539

18
g-index

28
all docs

28
docs citations

28
times ranked

356
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchronized switch harvesting applied to self-powered smart systems: Piezoactive microgenerators for autonomous wireless receivers. <i>Sensors and Actuators A: Physical</i> , 2008, 147, 263-272.	4.1	77
2	Non-Destructive Evaluation of Damage and Failure of Fibre Reinforced Polymer Composites Using Ultrasonic Waves and Acoustic Emission. <i>Advanced Engineering Materials</i> , 2001, 3, 601.	3.5	60
3	Modelling the attenuation in the ATHENA finite elements code for the ultrasonic testing of austenitic stainless steel welds. <i>Ultrasonics</i> , 2009, 49, 653-658.	3.9	44
4	Evaluation of the strain-induced martensitic transformation by acoustic emission monitoring in 304L austenitic stainless steel: Identification of the AE signature of the martensitic transformation and power-law statistics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 492, 392-399.	5.6	43
5	Measurement of ultrasonic scattering attenuation in austenitic stainless steel welds: Realistic input data for NDT numerical modeling. <i>Ultrasonics</i> , 2014, 54, 1729-1736.	3.9	30
6	Sub-surface damage investigation by high frequency ultrasonic echography on 100Cr6 bearing steel. <i>Tribology International</i> , 1997, 30, 247-259.	5.9	20
7	Characterisation of anisotropic elastic constants of continuous alumina fibre reinforced aluminium matrix composite processed by medium pressure infiltration. <i>Composites Part A: Applied Science and Manufacturing</i> , 2000, 31, 45-55.	7.6	19
8	Long-term stability of normal condition data for novelty detection. , 2000, , .		17
9	Monitoring of Martensitic Transformation in Austenitic Stainless Steel 304L by Eddy Currents. <i>Research in Nondestructive Evaluation</i> , 2010, 21, 112-126.	1.1	16
10	Theoretical and experimental responses for a large-aperture broadband spherical transducer probing a liquid-solids boundary. <i>Journal of Applied Physics</i> , 1999, 86, 2825-2835.	2.5	15
11	Evaluation of an EMAT dual probe in sizing extent of wall thinning. <i>NDT and E International</i> , 2014, 62, 160-166.	3.7	14
12	Ultrasonic evaluation of dispersive polymers by the piezoelectric embedded element method: modeling and experimental validation. <i>Ultrasonics</i> , 1998, 36, 783-788.	3.9	12
13	The piezoelectric implant method: implementation and practical applications. <i>Smart Materials and Structures</i> , 2000, 9, 267-272.	3.5	11
14	<title>Damage assessment in smart composite structures: the DAMASCOS program</title>. , 2001, 4327, 223.		10
15	Acoustic microscopy of functionally graded thermal sprayed coatings using stiffness matrix method and Stroh formalism. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	9
16	Guided-wave interaction with complex delaminations: application to damage detection in composite structures. , 2003, , .		8
17	<title>Health monitoring of smart composite structures using ultrasonic guided waves</title>. , 2000, , .		6
18	Application of Ultrasonic Spectroscopy for Hydrolytic Damage Detection in GRFC: Correlations with Mechanical Tests and Microscopic Observations. <i>Journal of Composite Materials</i> , 2000, 34, 1356-1368.	2.4	6

#	ARTICLE	IF	CITATIONS
19	Smart Materials Group at the National Institute of Applied Science Recent Data and Trends. Materials Transactions, 2004, 45, 166-172.	1.2	5
20	Ultrasonic wireless health monitoring. , 2006, , .		2
21	Optimization of Signal Pre-Processing for the Integration of Cost-Effective Local Intelligence in Wireless Self-Powered Structural Health Monitoring. Advances in Science and Technology, 0, , .	0.2	2
22	Some Experimental Observations on the Detection of Composite Damage using Lamb Waves. Strain, 2011, 47, e254.	2.4	2
23	ONDES DE LAMB DANS LES MILIEUX MULTICOUCHES. Journal De Physique Colloque, 1990, 51, C2-1249-C2-1252.	0.2	2
24	Non-destructive evaluation of elastic properties, and ultrasonic attenuation of transverse wave of anisotropic and heterogeneous media. EPJ Web of Conferences, 2010, 6, 36002.	0.3	1
25	Study of ultrasonic characterization and propagation in austenitic welds: The MOSAICS project. , 2015, , .		1
26	Experimental determination of the complex stiffness tensor and Euler angles in anisotropic media using ultrasonic waves. , 2014, , .		0
27	Suivi de santÃ© auto-alimentÃ© et basse consommation des matÃ©riaux composites par ondes de Lamb. Revue Des Composites Et Des Materiaux Avances, 2013, 23, 99-110.	0.6	0