

# 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  | Study of ultrasonic characterization and propagation in austenitic welds: The MOSAICS project. , 2015, , .   |     | 1         |
| 2  | Experimental determination of the complex stiffness tensor and Euler angles in anisotropic media using ultrasonic waves. , 2014, , .   |     | 0         |
| 3  | Evaluation of an EMATâ€“EC dual probe in sizing extent of wall thinning. NDT and E International, 2014, 62, 160-166.   | 3.7 | 14        |
| 4  | Measurement of ultrasonic scattering attenuation in austenitic stainless steel welds: Realistic input data for NDT numerical modeling. Ultrasonics, 2014, 54, 1729-1736.   | 3.9 | 30        |
| 5  | Acoustic microscopy of functionally graded thermal sprayed coatings using stiffness matrix method and Stroh formalism. Journal of Applied Physics, 2013, 113, .  | 2.5 | 9         |
| 6  | 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         |
| 7  | Some Experimental Observations on the Detection of Composite Damage using Lamb Waves. Strain, 2011, 47, e254.  | 2.4 | 2         |
| 8  | 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         |
| 9  | Monitoring of Martensitic Transformation in Austenitic Stainless Steel 304ÂŁ by Eddy Currents. Research in Nondestructive Evaluation, 2010, 21, 112-126.   | 1.1 | 16        |
| 10 | Modelling the attenuation in the ATHENA finite elements code for the ultrasonic testing of austenitic stainless steel welds. Ultrasonics, 2009, 49, 653-658.   | 3.9 | 44        |
| 11 | 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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 492, 392-399. | 5.6 | 43        |
| 12 | Synchronized switch harvesting applied to self-powered smart systems: Piezoactive microgenerators for autonomous wireless receivers. Sensors and Actuators A: Physical, 2008, 147, 263-272.  | 4.1 | 77        |
| 13 | Ultrasonic wireless health monitoring. , 2006, , .   |     | 2         |
| 14 | Smart Materials Group at the National Institute of Applied Science Recent Data and Trends. Materials Transactions, 2004, 45, 166-172.  | 1.2 | 5         |
| 15 | Guided-wave interaction with complex delaminations: application to damage detection in composite structures. , 2003, , .   |     | 8         |
| 16 | <title>Damage assessment in smart composite structures: the DAMASCOS program</title>. , 2001, 4327, 223.   |     | 10        |
| 17 | Non-Destructive Evaluation of Damage and Failure of Fibre Reinforced Polymer Composites Using Ultrasonic Waves and Acoustic Emission. Advanced Engineering Materials, 2001, 3, 601.  | 3.5 | 60        |
| 18 | <title>Health monitoring of smart composite structures using ultrasonic guided waves</title>. , 2000, , .  |     | 6         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Long-term stability of normal condition data for novelty detection. , 2000, , .   |     | 17        |
| 20 | The piezoelectric implant method: implementation and practical applications. Smart Materials and Structures, 2000, 9, 267-272.  | 3.5 | 11        |
| 21 | Application of Ultrasonic Spectroscopy for Hydrolytic Damage Detection in GRFC: Correlations with Mechanical Tests and Microscopic Observations. Journal of Composite Materials, 2000, 34, 1356-1368.                                 | 2.4 | 6         |
| 22 | Characterisation of anisotropic elastic constants of continuous alumina fibre reinforced aluminium matrix composite processed by medium pressure infiltration. Composites Part A: Applied Science and Manufacturing, 2000, 31, 45-55. | 7.6 | 19        |
| 23 | Theoretical and experimental responses for a large-aperture broadband spherical transducer probing a liquidâ€solid boundary. Journal of Applied Physics, 1999, 86, 2825-2835.   | 2.5 | 15        |
| 24 | Ultrasonic evaluation of dispersive polymers by the piezoelectric embedded element method: modeling and experimental validation. Ultrasonics, 1998, 36, 783-788.  | 3.9 | 12        |
| 25 | Sub-surface damage investigation by high frequency ultrasonic echography on 100Cr6 bearing steel. Tribology International, 1997, 30, 247-259.   | 5.9 | 20        |
| 26 | ONDES DE LAMB DANS LES MILIEUX MULTICOUCHES. Journal De Physique Colloque, 1990, 51, C2-1249-C2-1252.   | 0.2 | 2         |
| 27 | 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         |