

Raffaella Di Sante

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

844
citations

777949

13
h-index

843174

20
g-index

28
all docs

28
docs citations

28
times ranked

1011
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Strain Modal Testing with Fiber Bragg Gratings for Automotive Applications. <i>Sensors</i> , 2022, 22, 946. | 2.1 | 14 |
| 2 | Optimal Control of Air Conditioning Systems by Means of CO2 Sensors in Electric Vehicles. <i>Sensors</i> , 2022, 22, 1190. | 2.1 | 1 |
| 3 | Probability of detection, localization, and sizing: The evolution of reliability metrics in Structural Health Monitoring. <i>Structural Health Monitoring</i> , 2022, 21, 2990-3017. | 4.3 | 17 |
| 4 | Strain Modal Testing with Fiber Bragg Grating Sensors of Composite Components for Automotive Applications. , 2021, , . | | 1 |
| 5 | Optical characterization of strain sensing cables for Brillouin optical time domain analysis. <i>EPJ Web of Conferences</i> , 2021, 255, 12011. | 0.1 | 0 |
| 6 | Strain Transfer in Surface-Bonded Optical Fiber Sensors. <i>Sensors</i> , 2020, 20, 3100. | 2.1 | 51 |
| 7 | Strain Transfer Estimation for Complex Surface-Bonded Optical Fibers in Distributed Sensing Applications. , 2020, , . | | 1 |
| 8 | Innovative Cable Design for Distributed Sensing Applications based on Stimulated Brillouin Scattering. , 2020, , . | | 0 |
| 9 | Optical Fiber Sensing Cables for Brillouin-Based Distributed Measurements. <i>Sensors</i> , 2019, 19, 5172. | 2.1 | 44 |
| 10 | Frequency response coupling technique for the estimation of the power transmission in multi-point-connected structures. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2017, 231, 149-157. | 0.7 | 0 |
| 11 | Fibre Optic Sensors for Structural Health Monitoring of Aircraft Composite Structures: Recent Advances and Applications. <i>Sensors</i> , 2015, 15, 18666-18713. | 2.1 | 476 |
| 12 | Temperature-compensated fibre Bragg grating based sensor with variable sensitivity. <i>Optics and Lasers in Engineering</i> , 2015, 75, 5-9. | 2.0 | 16 |
| 13 | Influence of Plying Strategies and Trigger Type on Crashworthiness Properties of Carbon Fiber Laminates Cured through Autoclave Processing. <i>Strojnski Vestnik/Journal of Mechanical Engineering</i> , 2014, 60, 375-381. | 0.6 | 11 |
| 14 | Evaluation of bending strain measurements in a composite sailboat bowsprit with embedded fibre Bragg gratings. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 54, 106-117. | 2.5 | 13 |
| 15 | Reliability and accuracy of embedded fiber Bragg grating sensors for strain monitoring in advanced composite structures. <i>Metals and Materials International</i> , 2014, 20, 537-543. | 1.8 | 17 |
| 16 | Laser extinction technique for measurements of carbon particles concentration during combustion. <i>Optics and Lasers in Engineering</i> , 2013, 51, 783-789. | 2.0 | 15 |
| 17 | Low-coherence interferometric measurements of optical losses in autoclave cured composite samples with embedded optical fibers. <i>Proceedings of SPIE</i> , 2013, , . | 0.8 | 2 |
| 18 | Measurements of the auto-ignition of n-heptane/toluene mixtures using a rapid compression machine. <i>Combustion and Flame</i> , 2012, 159, 55-63. | 2.8 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Thermoelasticity for the evaluation of fatigue behavior of 7005/Al ₂ O ₃ /10p metal matrix composite sheets joined by FSW. International Journal of Fatigue, 2008, 30, 198-206. | 2.8 | 33 |
| 20 | Multipoint optical fiber vibrometer. , 2005, 5776, 842. | | 1 |
| 21 | Time domain reflectometry-based liquid level sensor. Review of Scientific Instruments, 2005, 76, 095107. | 0.6 | 17 |
| 22 | A novel fiber optic sensor for multiple and simultaneous measurement of vibration velocity. Review of Scientific Instruments, 2004, 75, 1952-1958. | 0.6 | 22 |
| 23 | Multipoint optical fiber vibrometer. Review of Scientific Instruments, 2002, 73, 1321-1324. | 0.6 | 9 |
| 24 | <title>Laser Doppler vibrometry for simultaneous multiple measurements</title>. , 2002, , . | | 0 |
| 25 | A new approach to the measurement of transverse vibration and acoustic radiation of automotive belts using laser Doppler vibrometry and acoustic intensity techniques. Measurement Science and Technology, 2001, 12, 525-533. | 1.4 | 24 |
| 26 | <title>Single-mode optical fiber interferometer for surface vibration measurement</title>. , 2001, , . | | 1 |
| 27 | Measurement techniques for the acoustic analysis of synchronous belts. Measurement Science and Technology, 2000, 11, 1463-1472. | 1.4 | 17 |