

# Andrea Galtarossa

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32  
papers

337  
citations

13  
h-index

17  
g-index

39  
ext. papers

461  
ext. citations

3.1  
avg, IF

3.56  
L-index

#	Paper	IF	Citations
32	Distributed optical fibre sensing for early detection of shallow landslides triggering. <i>Scientific Reports</i> , <b>2017</b> , 7, 14686	4.9	53
31	Fiber optic sensor for hydrostatic pressure and temperature measurement in riverbanks monitoring. <i>Optics and Laser Technology</i> , <b>2016</b> , 82, 57-62	4.2	26
30	Cryogenic-temperature profiling of high-power superconducting lines using local and distributed optical-fiber sensors. <i>Optics Letters</i> , <b>2015</b> , 40, 4424-7	3	23
29	Distributed Polarization-Sensitive Reflectometry in Nonreciprocal Single-Mode Optical Fibers. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 3178-3184	4	23
28	Polarization mode dispersion properties of constantly spun randomly birefringent fibers. <i>Optics Letters</i> , <b>2003</b> , 28, 1639-41	3	21
27	Polarized Backward Raman Amplification in Randomly Birefringent Fibers. <i>Journal of Lightwave Technology</i> , <b>2006</b> , 24, 4055-4063	4	20
26	Highly Sensitive FBG Pressure Sensor Based on a 3D-Printed Transducer. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 4784-4790	4	16
25	Accurate Characterization of Twist-Induced Optical Activity in Single-Mode Fibers by Means of Polarization-Sensitive Reflectometry. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 1713-1715	2.2	16
24	Spin-profile characterization in randomly birefringent spun fibers by means of frequency-domain reflectometry. <i>Optics Letters</i> , <b>2009</b> , 34, 1078-80	3	15
23	Distributed optical fiber pressure sensors. <i>Optical Fiber Technology</i> , <b>2020</b> , 58, 102239	2.4	15
22	An Optical Fiber Distributed Pressure Sensing Cable With Pa-Sensitivity and Enhanced Spatial Resolution. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 5900-5908	4	13
21	Reflectometric measurement of birefringence rotation in single-mode optical fibers. <i>Optics Letters</i> , <b>2008</b> , 33, 2284-6	3	13
20	Simplified phenomenological model for randomly birefringent strongly spun fibers. <i>Optics Letters</i> , <b>2006</b> , 31, 2275-7	3	13
19	Distributed Polarization-Mode-Dispersion Measurement in Fiber Links by Polarization-Sensitive Reflectometric Techniques. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 1944-1946	2.2	12
18	High-frequency high-resolution distributed acoustic sensing by optical frequency domain reflectometry. <i>Optics Express</i> , <b>2019</b> , 27, 13923-13933	3.3	12
17	Polarized Backward Raman Amplification in Unidirectionally Spun Fibers. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 27-29	2.2	7
16	A Rugged FBG-Based Pressure Sensor for Water Level Monitoring in Dikes. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 13263-13271	4	7

15	Model-Aware Deep Learning Method for Raman Amplification in Few-Mode Fibers. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 1371-1380	4	5
14	Main Lobe Control of a Beam Tilting Antenna Array Laid on a Deformable Surface. <i>International Journal of Antennas and Propagation</i> , <b>2018</b> , 2018, 1-6	1.2	4
13	About the Differential Group Delay of Spun Fibers. <i>Journal of Lightwave Technology</i> , <b>2008</b> , 26, 3660-3668		4
12	Low-PMD spun fibers. <i>Journal of Optical and Fiber Communications Research</i> , <b>2004</b> , 1, 32-62		4
11	Influence of the birefringence autocorrelation function on the polarization mode dispersion of constantly spun fibers. <i>Optics Letters</i> , <b>2007</b> , 32, 3236-8	3	3
10	On the use of OFDR for high-spatial resolution strain measurements in mechanical and geotechnical engineering <b>2018</b> ,		2
9	Polarization Mode Dispersion Management Using Unidirectionally Spun Fibers. <i>Journal of Lightwave Technology</i> , <b>2006</b> , 24, 3976-3981	4	2
8	Design and field testing of a fiber optic pressure sensor for underground water level monitoring <b>2019</b> ,		2
7	. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 4843-4849	4	2
6	Reflectometric Characterization of Hinges in Fiber Optic Links <b>2008</b> ,		1
5	Experimental characterization of group and phase delays induced by bending and twisting in multi-core fibers. <i>Optics Letters</i> , <b>2021</b> , 46, 2674-2677	3	1
4	Robustness of the projection method for an asymmetrically deformed planar antenna array. <i>Microwave and Optical Technology Letters</i> , <b>2019</b> , 61, 167-172	1.2	1
3	Distributed Characterization of Few-Mode Fibers Based on Optical Frequency Domain Reflectometry <b>2018</b> ,		1
2	Unified coupled-mode theory for geometric and material perturbations in optical waveguides. <i>Journal of Lightwave Technology</i> , <b>2022</b> , 1-1	4	0
1	The Characterization of Optical Fibers for Distributed Cryogenic Temperature Monitoring. <i>Sensors</i> , <b>2022</b> , 22, 4009	3.8	0