

# Ignazio Floris

## List of Publications by Year in descending order

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14  
papers

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citations

1040056

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1372567

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docs citations

14  
times ranked

462  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiber Bragg Gratings for Medical Applications and Future Challenges: A Review. IEEE Access, 2020, 8, 156863-156888.	4.2	187
2	Fiber Optic Shape Sensors: A comprehensive review. Optics and Lasers in Engineering, 2021, 139, 106508.	3.8	136
3	Twisting measurement and compensation of optical shape sensor based on spun multicore fiber. Mechanical Systems and Signal Processing, 2020, 140, 106700.	8.0	36
4	Measurement uncertainty of multicore optical fiber sensors used to sense curvature and bending direction. Measurement: Journal of the International Measurement Confederation, 2019, 132, 35-46.	5.0	34
5	Experimental study of the influence of FBG length on optical shape sensor performance. Optics and Lasers in Engineering, 2020, 126, 105878.	3.8	22
6	Effects of core position uncertainty on optical shape sensor accuracy. Measurement: Journal of the International Measurement Confederation, 2019, 139, 21-33.	5.0	19
7	Temperature-insensitive optical tilt sensor based on a single eccentric-core fiber Bragg grating. Optics Letters, 2019, 44, 5570.	3.3	19
8	Characterization and calibration of shape sensors based on multicore optical fibre. Optical Fiber Technology, 2021, 61, 102319.	2.7	14
9	Effects of bonding on the performance of optical fiber strain sensors. Structural Control and Health Monitoring, 2021, 28, e2782.	4.0	10
10	Fiber Bragg Grating Sensors for Underwater Vibration Measurement: Potential Hydropower Applications. Sensors, 2021, 21, 4272.	3.8	8
11	Twisting compensation of optical multicore fiber shape sensors for flexible medical instruments. , 2020, , .		6
12	Measurement uncertainty of 7-core multicore fiber shape sensors. , 2019, , .		4
13	Temperature-insensitive 2D inclinometer based on pendulum-assisted fiber Bragg gratings. , 2019, , .		2
14	A new procedure for tunnel convergence monitoring using Optical Multicore Fiber Shape Sensor. , 2021, , .		0