

Tindaro Ioppolo

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

478
citations

840776

11
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

342
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-optical force sensor concept based on whispering gallery mode resonators. <i>Applied Optics</i> , 2008, 47, 3009.	2.1	132
2	Tuning of whispering gallery modes of spherical resonators using an external electric field. <i>Optics Express</i> , 2009, 17, 16465.	3.4	84
3	Whispering gallery modes of microspheres in the presence of a changing surrounding medium: A new ray-tracing analysis and sensor experiment. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	47
4	Magnetorheological polydimethylsiloxane micro-optical resonator. <i>Optics Letters</i> , 2010, 35, 2037.	3.3	37
5	Effect of Angular Velocity on Sensors Based on Morphology Dependent Resonances. <i>Sensors</i> , 2014, 14, 7041-7048.	3.8	36
6	Photonic electric field sensor based on polymeric microspheres. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 276-279.	2.1	27
7	Whispering gallery mode-based micro-optical sensors for structural health monitoring of composite materials. <i>Journal of Materials Science</i> , 2009, 44, 1560-1571.	3.7	23
8	Young's modulus and loss tangent measurement of polydimethylsiloxane using an optical lever. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 747-751.	2.1	20
9	Untethered photonic sensor for wall pressure measurement. <i>Optics Letters</i> , 2015, 40, 2257.	3.3	16
10	Dome-shaped whispering gallery mode laser for remote wall temperature sensing. <i>Applied Optics</i> , 2014, 53, 5065.	1.8	14
11	Magnetic field-induced morphology-dependent resonances of a coupled composite metglas slab with a polymeric optical resonator. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 272-275.	2.1	12
12	Electrostrictive optical resonators for non-contact displacement measurement. <i>Applied Optics</i> , 2017, 56, 229.	2.1	11
13	A Vibrometer Based on Magnetorheological Optical Resonators. <i>Vibration</i> , 2018, 1, 239-249.	1.9	7
14	High data rate transient sensing using dielectric micro-resonator. <i>Applied Optics</i> , 2015, 54, 7076.	2.1	5
15	Development of Whispering Gallery Mode Polymeric Micro-optical Electric Field Sensors. <i>Journal of Visualized Experiments</i> , 2013, , e50199.	0.3	4
16	Dynamical behavior of magnetic polarizable microsphere using whispering gallery mode. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 598-603.	2.1	2
17	High-speed transient sensing using dielectric micro-resonators. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1