Maria Principe

List of Publications by Citations

36 papers	1,832 citations	15 h-index	41 g-index
41 ext. papers	2,222 ext. citations	6.1 avg, IF	3.14 L-index

#	Paper	IF	Citations
36	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. *Living Reviews in Relativity*, **2018**, 21, 3	32.5	543
35	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. *Living Reviews in Relativity*, **2016**, 19, 1	32.5	393
34	Sensitivity of the Advanced LIGO detectors at the beginning of gravitational wave astronomy. *Physical Review D*, **2016**, 93,	4.9	208
33	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. *Classical and Quantum Gravity*, **2016**, 33,	3.3	155
32	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. *Astrophysical Journal*, **2010**, 715, 1453-1461	4.7	79
31	Optical fiber meta-tips. *Light: Science and Applications*, **2017**, 6, e16226	16.7	70
30	Improving astrophysical parameter estimation via offline noise subtraction for Advanced LIGO. *Physical Review D*, **2019**, 99,	4.9	58
29	The basic physics of the binary black hole merger GW150914. *Annalen Der Physik*, **2017**, 529, 1600209	2.6	45
28	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. *Astrophysical Journal*, **2017**, 841, 89	4.7	42
27	Measurement of thermal noise in multilayer coatings with optimized layer thickness. *Physical Review D*, **2010**, 81,	4.9	35
26	Metasurface-Enhanced Lab-on-Fiber Biosensors. *Laser and Photonics Reviews*, **2020**, 14, 2000180	8.3	28
25	Thickness-dependent crystallization on thermal anneal for titania/silica nm-layer composites deposited by ion beam sputter method. *Optics Express*, **2014**, 22, 29847-54	3.3	23
24	Supersymmetry-inspired non-Hermitian optical couplers. *Scientific Reports*, **2015**, 5, 8568	4.9	21
23	Material loss angles from direct measurements of broadband thermal noise. *Physical Review D*, **2015**, 91,	4.9	21
22	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. *Physical Review Letters*, **2017**, 118, 151102	7.4	18
21	Optical properties of amorphous SiO2-TiO2 multi-nanolayered coatings for 1064-nm mirror technology. *Optical Materials*, **2018**, 75, 94-101	3.3	15
20	Evaluation of fiber-optic phase-gradient meta-tips for sensing applications. *Nanomaterials and Nanotechnology*, **2019**, 9, 184798041983272	2.9	12

19	Modeling the impulsive noise component and its effect on the operation of a simple coherent network algorithm for detecting unmodeled gravitational wave bursts. *Classical and Quantum Gravity*, **2008**, 25, 075013	3.3	12
18	Reflective coating optimization for interferometric detectors of gravitational waves. *Optics Express*, **2015**, 23, 10938-56	3.3	10
17	Quantum correlation measurements in interferometric gravitational-wave detectors. *Physical Review A*, **2017**, 95,	2.6	9
16	Locally optimum network detection of unmodelled gravitational wave bursts in an impulsive noise background. *Classical and Quantum Gravity*, **2009**, 26, 045003	3.3	6
15	On the performance limits of coatings for gravitational wave detectors made of alternating layers of two materials. *Optical Materials*, **2019**, 96, 109269	3.3	5
14	Effects of transients in LIGO suspensions on searches for gravitational waves. *Review of Scientific Instruments*, **2017**, 88, 124501	1.7	4
13	Emergence and Evolution of Crystallization in TiO Thin Films: A Structural and Morphological Study. *Nanomaterials*, **2021**, 11,	5.4	4
12	Optical scattering measurements and implications on thermal noise in Gravitational Wave detectors test-mass coatings. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2018**, 382, 2259-2264	2.3	3
11	Locally optimum network detectors of unmodeled gravitational wave bursts in glitch noise. *Physical Review D*, **2017**, 95,	4.9	3
10	Detecting unmodeled GW bursts in non-Gaussian (glitchy) noise: two locally optimum network detectors. *Classical and Quantum Gravity*, **2009**, 26, 204001	3.3	2
9	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA **2018**, 21, 1		2
8	A Multi-Step Approach to Assessing LIGO Test Mass Coatings. *Journal of Physics: Conference Series*, **2018**, 957, 012010	0.3	1
7	Optical fiber meta-tips: perspectives in sensing applications **2017**,		1
6	Robust gravitational wave burst detection and source localization in a network of interferometers using cross-Wigner spectra. *Classical and Quantum Gravity*, **2012**, 29, 045001	3.3	1
5	Ternary quarter wavelength coatings for gravitational wave detector mirrors: Design optimization via exhaustive search. *Physical Review Research*, **2021**, 3,	3.9	1
4	Meta-tips for lab-on-fiber optrodes **2016**,		1
3	Design and Optimization of All-Dielectric Fluorescence Enhancing Metasurfaces: Towards Advanced Metasurface-Assisted Optrodes. *Biosensors*, **2022**, 12, 264	5.9	1
2	Sparsifying time-frequency distributions for gravitational wave data analysis **2015**,		0

1 Reflectivity and thickness optimization173-195