Rosario De Rosa

List of Publications by Year
in descending order

31 papers	14,294 citations	567281 15 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	10347 citing authors

#	Article	IF	Citations
1	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>5</mml:mn><mml:mi>n</mml:mi></mml:mrow></mml:math>-vector ensemble method for detecting gravitational waves from known pulsars. Physical Review D, 2022, 105, .	4.7	3
2	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
3	Automated source of squeezed vacuum states driven by finite state machine based software. Review of Scientific Instruments, 2021, 92, 054504.	1.3	3
4	Seismic glitchness at Sos Enattos site: impact on intermediate black hole binaries detection efficiency. European Physical Journal Plus, 2021, 136, 1.	2.6	5
5	A method for detecting continuous gravitational wave signals from an ensemble of known pulsars. Classical and Quantum Gravity, 2021, 38, 135021.	4.0	5
6	Characterization of the seismic field at Virgo and improved estimates of Newtonian-noise suppression by recesses. Classical and Quantum Gravity, 2021, 38, 245007.	4.0	5
7	The Hunt for Environmental Noise in Virgo during the Third Observing Run. Galaxies, 2020, 8, 82.	3.0	29
8	Improving sensitivity and duty-cycle of a double torsion pendulum. Classical and Quantum Gravity, 2019, 36, 125004.	4.0	3
9	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. Physical Review Letters, 2019, 123, 231108.	7.8	254
10	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	26.7	808
11	Actuation crosstalk in free-falling systems: Torsion pendulum results for the engineering model of the LISA pathfinder gravitational reference sensor. Astroparticle Physics, 2018, 97, 19-26.	4.3	9
12	Measurement and subtraction of Schumann resonances at gravitational-wave interferometers. Physical Review D, 2018, 97, .	4.7	50
13	Capacitive sensing of test mass motion with nanometer precision over millimeter-wide sensing gaps for space-borne gravitational reference sensors. Physical Review D, 2017, 96, .	4.7	40
14	Approaching Free Fall on Two Degrees of Freedom: Simultaneous Measurement of Residual Force and Torque on a Double Torsion Pendulum. Physical Review Letters, 2016, 116, 051104.	7.8	20
15	Sub-Femto-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>g</mml:mi></mml:mrow></mml:math>Free Fall for Space-Based Gravitational Wave Observatories: LISA Pathfinder Results. Physical Review Letters, 2016, 116, 231101.	7.8	454
16	Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, 061102.	7.8	8,753
17	Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012.	4.0	1,029
18	Advanced Virgo: a second-generation interferometric gravitational wave detector. Classical and Quantum Gravity, 2015, 32, 024001.	4.0	2,530

#	Article	IF	Citations
19	â€œQuasi-completeâ€•mechanical model for a double torsion pendulum. Physical Review D, 2013, 87, .	4.7	11
20	The characterization of Virgo data and its impact on gravitational-wave searches. Classical and Quantum Gravity, 2012, 29, 155002.	4.0	73
21	An optical readout system for the drag free control of the LISA spacecraft. Astroparticle Physics, 2011, 34, 394-400.	4.3	21
22	The 2 Degrees of Freedom facility in Firenze for the study of weak forces. Journal of Physics: Conference Series, 2010, 228, 012037.	0.4	5
23	Measurements of Superattenuator seismic isolation by Virgo interferometer. Astroparticle Physics, 2010, 33, 182-189.	4.3	62
24	Noise from scattered light in Virgo's second science run data. Classical and Quantum Gravity, 2010, 27, 194011.	4.0	59
25	The Real-Time Distributed Control of the Virgo Interferometric Detector of Gravitational Waves. IEEE Transactions on Nuclear Science, 2008, 55, 302-310.	2.0	7
26	Noise studies during the first Virgo science run and after. Classical and Quantum Gravity, 2008, 25, 184003.	4.0	8
27	Data Acquisition System of the Virgo Gravitational Waves Interferometric Detector. IEEE Transactions on Nuclear Science, 2008, 55, 225-232.	2.0	5
28	Analysis of noise lines in the Virgo C7 data. Classical and Quantum Gravity, 2007, 24, S433-S443.	4.0	9
29	A first study of environmental noise coupling to the Virgo interferometer. Classical and Quantum Gravity, 2005, 22, S1069-S1077.	4.0	4
30	The environmental monitoring system of VIRGO antenna for gravitational wave detection. IEEE Transactions on Nuclear Science, 2002, 49, 405-410.	2.0	9
31	Study of correlations between seismic data and Virgoâ€™s gravitational-wave detector data. Classical and Quantum Gravity, 0, , .	4.0	1