Irene Fiori

List of Publications by Year
in descending order

30 papers	6,202 citations	393982 19 h-index	476904 29 g-index
31 all docs	31 docs citations	31 times ranked	4760 citing authors

#	Article	IF	Citations
1	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	20
2	Environmental Noise in Gravitational-Wave Interferometers. , 2022, , 407-478.		0
3	Seismic glitchness at Sos Enattos site: impact on intermediate black hole binaries detection efficiency. European Physical Journal Plus, 2021, 136, 1.	1.2	5
4	KAGRA underground environment and lessons for the Einstein Telescope. Physical Review D, 2021, 104, .	1.6	10
5	Characterization of the seismic field at Virgo and improved estimates of Newtonian-noise suppression by recesses. Classical and Quantum Gravity, 2021, 38, 245007.	1.5	5
6	Seismic array measurements at Virgoâ€™s west end building for the configuration of a Newtonian-noise cancellation system. Classical and Quantum Gravity, 2020, 37, 025005.	1.5	18
7	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	8.2	447
8	Site-selection criteria for the Einstein Telescope. Review of Scientific Instruments, 2020, 91, 094504.	0.6	32
9	The Hunt for Environmental Noise in Virgo during the Third Observing Run. Galaxies, 2020, 8, 82.	1.1	29
10	Machine learning for gravitational-wave detection: surrogate Wiener filtering for the prediction and optimized cancellation of Newtonian noise at Virgo. Classical and Quantum Gravity, 2020, 37, 195016.	1.5	23
11	Investigation of magnetic noise in advanced Virgo. Classical and Quantum Gravity, 2019, 36, 225004.	1.5	14
12	Ground motion prediction at gravitational wave observatories using archival seismic data. Classical and Quantum Gravity, 2019, 36, 085005.	1.5	11
13	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. Physical Review Letters, 2019, 123, 231108.	2.9	254
14	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	8.2	808
15	Impact of infrasound atmospheric noise on gravity detectors used for astrophysical and geophysical applications. Physical Review D, 2018, 97, .	1.6	41
16	Magnetic coupling to the advanced Virgo payloads and its impact on the low frequency sensitivity. Review of Scientific Instruments, 2018, 89, 114501.	0.6	13
17	Measurement and subtraction of Schumann resonances at gravitational-wave interferometers. Physical Review D, 2018, 97, .	1.6	50
18	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	1.5	225

#	Article	IF	Citations
19	Subtraction of correlated noise in global networks of gravitational-wave interferometers. Classical and Quantum Gravity, 2016, 33, 224003.	1.5	36
20	Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012.	1.5	1,029
21	Advanced Virgo: a second-generation interferometric gravitational wave detector. Classical and Quantum Gravity, 2015, 32, 024001.	1.5	2,530
22	The characterization of Virgo data and its impact on gravitational-wave searches. Classical and Quantum Gravity, 2012, 29, 155002.	1.5	73
23	Virgo: a laser interferometer to detect gravitational waves. Journal of Instrumentation, 2012, 7, P03012-P03012.	0.5	257
24	Seismic Noise by Wind Farms: A Case Study from the Virgo Gravitational Wave Observatory, Italy. Bulletin of the Seismological Society of America, 2011, 101, 568-578.	1.1	51
25	Measurements of Superattenuator seismic isolation by Virgo interferometer. Astroparticle Physics, 2010, 33, 182-189.	1.9	62
26	Noise from scattered light in Virgo's second science run data. Classical and Quantum Gravity, 2010, 27, 194011.	1.5	59
27	Noise studies during the first Virgo science run and after. Classical and Quantum Gravity, 2008, 25, 184003.	1.5	8
28	Analysis of noise lines in the Virgo C7 data. Classical and Quantum Gravity, 2007, 24, S433-S443.	1.5	9
29	Measurement of the seismic attenuation performance of the VIRGO Superattenuator. Astroparticle Physics, 2005, 23, 557-565.	1.9	79
30	A first study of environmental noise coupling to the Virgo interferometer. Classical and Quantum Gravity, 2005, 22, S1069-S1077.	1.5	4