

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53 papers	3,778 citations	19 h-index	61 g-index
65 ext. papers	4,821 ext. citations	4.3 avg, IF	2.54 L-index

#	Paper	IF	Citations
53	Advanced Virgo: a second-generation interferometric gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2015 , 32, 024001	3.3	1567
52	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018 , 21, 3	32.5	543
51	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016 , 19, 1	32.5	393
50	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016 , 33,	3.3	155
49	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020 , 23, 3	32.5	144
48	Status of the Virgo project. <i>Classical and Quantum Gravity</i> , 2011 , 28, 114002	3.3	140
47	Virgo status. <i>Classical and Quantum Gravity</i> , 2008 , 25, 184001	3.3	110
46	Calibration and sensitivity of the Virgo detector during its second science run. <i>Classical and Quantum Gravity</i> , 2011 , 28, 025005	3.3	83
45	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. <i>Astrophysical Journal</i> , 2010 , 715, 1453-1461	4.7	79
44	Measurements of Superattenuator seismic isolation by Virgo interferometer. <i>Astroparticle Physics</i> , 2010 , 33, 182-189	2.4	54
43	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021 , 909, 218	4.7	46
42	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017 , 529, 1600209	2.6	45
41	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017 , 841, 89	4.7	42
40	Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$ during the observing run O2. <i>Classical and Quantum Gravity</i> , 2018 , 35, 205004	3.3	35
39	Noise from scattered light in Virgo's second science run data. <i>Classical and Quantum Gravity</i> , 2010 , 27, 194011	3.3	31
38	Correcting movement errors in frequency-sweeping interferometry. <i>Optics Letters</i> , 2005 , 30, 2242-4	3	30
37	Search for gravitational waves associated with GRB 050915a using the Virgo detector. <i>Classical and Quantum Gravity</i> , 2008 , 25, 225001	3.3	23

36	Status and perspectives of the Virgo gravitational wave detector. <i>Journal of Physics: Conference Series</i> , 2010 , 203, 012074	0.3	22
35	The Seismic Superattenuators of the Virgo Gravitational Waves Interferometer. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2011 , 30, 63-79	1.5	19
34	The Advanced Virgo detector. <i>Journal of Physics: Conference Series</i> , 2015 , 610, 012014	0.3	18
33	Commissioning status of the Virgo interferometer. <i>Classical and Quantum Gravity</i> , 2010 , 27, 084002	3.3	18
32	Gravitational wave burst search in the Virgo C7 data. <i>Classical and Quantum Gravity</i> , 2009 , 26, 085009	3.3	15
31	Investigation of magnetic noise in advanced Virgo. <i>Classical and Quantum Gravity</i> , 2019 , 36, 225004	3.3	11
30	Performance of the Virgo interferometer longitudinal control system during the second science run. <i>Astroparticle Physics</i> , 2011 , 34, 521-527	2.4	10
29	The NoEMi (Noise Frequency Event Miner) framework. <i>Journal of Physics: Conference Series</i> , 2012 , 363, 012037	0.3	10
28	In-vacuum optical isolation changes by heating in a Faraday isolator. <i>Applied Optics</i> , 2008 , 47, 5853-61	0.2	10
27	Central heating radius of curvature correction (CHRoCC) for use in large scale gravitational wave interferometers. <i>Classical and Quantum Gravity</i> , 2013 , 30, 055017	3.3	9
26	Magnetic coupling to the advanced Virgo payloads and its impact on the low frequency sensitivity. <i>Review of Scientific Instruments</i> , 2018 , 89, 114501	1.7	9
25	Advanced Virgo Status. <i>Journal of Physics: Conference Series</i> , 2020 , 1342, 012010	0.3	8
24	Reconstruction of the gravitational wave signal $h(t)$ during the Virgo science runs and independent validation with a photon calibrator. <i>Classical and Quantum Gravity</i> , 2014 , 31, 165013	3.3	8
23	Ground motion prediction at gravitational wave observatories using archival seismic data. <i>Classical and Quantum Gravity</i> , 2019 , 36, 085005	3.3	7
22	Virgo calibration and reconstruction of the gravitational wave strain during VSR1. <i>Journal of Physics: Conference Series</i> , 2010 , 228, 012015	0.3	7
21	Interferometer Sensing and Control for the Advanced Virgo Experiment in the O3 Scientific Run. <i>Galaxies</i> , 2020 , 8, 85	2	7
20	Laser with an in-loop relative frequency stability of 1.0×10^{-11} on a 100-ms time scale for gravitational-wave detection. <i>Physical Review A</i> , 2009 , 79,	2.6	6
19	A state observer for the Virgo inverted pendulum. <i>Review of Scientific Instruments</i> , 2011 , 82, 094502	1.7	6

18	Noise studies during the first Virgo science run and after. <i>Classical and Quantum Gravity</i> , 2008 , 25, 1840033	3	6
17	Status of the Advanced Virgo gravitational wave detector. <i>International Journal of Modern Physics A</i> , 2017 , 32, 1744003	1.2	5
16	Automatic Alignment system during the second science run of the Virgo interferometer. <i>Astroparticle Physics</i> , 2011 , 34, 327-332	2.4	5
15	Cleaning the Virgo sampled data for the search of periodic sources of gravitational waves. <i>Classical and Quantum Gravity</i> , 2009 , 26, 204002	3.3	5
14	Scattered light noise characterisation at the Virgo interferometer with tvf-EMD adaptive algorithm. <i>Classical and Quantum Gravity</i> , 2020 , 37, 145011	3.3	5
13	New algorithm for the Guided Lock technique for a high-Finesse optical cavity. <i>Astroparticle Physics</i> , 2020 , 117, 102405	2.4	5
12	THE VIRGO INTERFEROMETER FOR GRAVITATIONAL WAVE DETECTION. <i>International Journal of Modern Physics D</i> , 2011 , 20, 2075-2079	2.2	4
11	Characterization of the Virgo seismic environment. <i>Classical and Quantum Gravity</i> , 2012 , 29, 025005	3.3	4
10	Commissioning status of the Virgo interferometer. <i>Classical and Quantum Gravity</i> , 2010 , 27, 149801	3.3	4
9	Absolute distance metrology for space interferometers 2005 , 5879, 216		4
8	Absolute distance metrology for space interferometers 2004 ,		3
7	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA 2018 , 21, 1		2
6	2009 ,		1
5	Absolute distance metrology for space interferometers 2005 ,		1
4	Tools for noise characterization in Virgo. <i>Journal of Physics: Conference Series</i> , 2010 , 243, 012004	0.3	
3	A cross-correlation method to search for gravitational wave bursts with AURIGA and Virgo. <i>Classical and Quantum Gravity</i> , 2008 , 25, 114046	3.3	
2	Metrology concepts for a space interferometer mission: SMART-2 2003 , 4852, 268		
1	Non-fundamental noise sources. <i>International Journal of Population Studies</i> , 2019 , 185-196	0.1	

