Title	Year	Source title	Volume	Issue	Art. No.	Page start	Page end	Page count	DOI
Semicoherent method to search for continuous gravitational waves	2023	Physical Review D	108	12	122001				10.1103/PhysRevD.108.122001
Search for Gravitational Waves Associated with Fast Radio Bursts Detected by CHIME/FRB during the LIGO-Virgo Observing Run O3a	2023	Astrophysical Journal	955	2	155				10.3847/1538-4357/acd770
Virgo detector characterization and data quality: Results from the O3 run	2023	Classical and Quantum Gravity	40	18	185006				10.1088/1361-6382/acd92d
Virgo detector characterization and data quality: Tools	2023	Classical and Quantum Gravity	40	18	185005				10.1088/1361-6382/acdf36
Open Data from the Third Observing Run of LIGO, Virgo, KAGRA, and GEO	2023	Astrophysical Journal, Supplement Series	267	2	29				10.3847/1538-4365/acdc9f
Frequency-Dependent Squeezed Vacuum Source for the Advanced Virgo Gravitational-Wave Detector	2023	Physical Review Letters	131	4	41403				10.1103/PhysRevLett.131.041403
Constraints on the Cosmic Expansion History from GWTC-3	2023	Astrophysical Journal	949	2	76				10.3847/1538-4357/ac74bb
Population of Merging Compact Binaries Inferred Using Gravitational Waves through GWTC-3	2023	Physical Review X	13	1	11048				10.1103/PhysRevX.13.011048
The Advanced Virgo+ status	2023	Journal of Physics: Conference Series	2429	1	12039				10.1088/1742-6596/2429/1/012039
Advanced Virgo Plus: Future Perspectives	2023	Journal of Physics: Conference Series	2429	1	12040				10.1088/1742-6596/2429/1/012040
Model-based Cross-correlation Search for Gravitational Waves from the Low-mass X-Ray Binary Scorpius X-1 in LIGO O3 Data	2022	Astrophysical Journal Letters	941	2	L30				10.3847/2041-8213/aca1b0
The Virgo O3 run and the impact of the environment	2022	Classical and Quantum Gravity	39	23	235009				10.1088/1361-6382/ac776a
All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO and Advanced Virgo O3 data	2022	Physical Review D	106	10	102008				10.1103/PhysRevD.106.102008
Measurement of fundamental physical quantities in the framework of the Lab2Go project	2022	Nuovo Cimento della Societa Italiana di Fisica C	45	6	217				10.1393/ncc/i2022-22217-2
Search for gravitational waves from Scorpius X-1 with a hidden Markov model in O3 LIGO data	2022	Physical Review D	106	6	62002				10.1103/PhysRevD.106.062002
Search for continuous gravitational wave emission from the Milky Way center in O3 LIGO-Virgo data	2022	Physical Review D	106	4	42003				10.1103/PhysRevD.106.042003
Impact of signal clusters in wide-band searches for continuous gravitational waves	2022	Physical Review D	106	4	42009				10.1103/PhysRevD.106.042009
Search for Subsolar-Mass Binaries in the First Half of Advanced LIGO's and Advanced Virgo's Third Observing Run	2022	Physical Review Letters	129	6	61803				10.1103/PhysRevLett.129.061104
Searches for Gravitational Waves from Known Pulsars at Two Harmonics in the Second and Third LIGO-Virgo Observing Runs	2022	Astrophysical Journal	935	1	1				10.3847/1538-4357/ac6acf
All-sky, all-frequency directional search for persistent gravitational waves from Advanced LIGO's and Advanced Virgo's first three observing runs	2022	Physical Review D	105	12	122001				10.1103/PhysRevD.105.122001
Narrowband Searches for Continuous and Long-duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run	2022	Astrophysical Journal	932	2	133				10.3847/1538-4357/ac6ad0
First joint observation by the underground gravitational-wave detector KAGRA with GEO 600	2022	Progress of Theoretical and Experimental Physics	2022	6	063F01				10.1093/ptep/ptac073
All-sky search for gravitational wave emission from scalar boson clouds around spinning black holes in LIGO O3 data	2022	Physical Review D	105	10	102001				10.1103/PhysRevD.105.102001
Search of the early O3 LIGO data for continuous gravitational waves from the Cassiopeia A and Vela Jr. supernova remnants	2022	Physical Review D	105	8	82005				10.1103/PhysRevD.105.082005
Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO-Virgo Run O3b	2022	Astrophysical Journal	928	2	186				10.3847/1538-4357/ac532b
Constraints on dark photon dark matter using data from LIGO's and Virgo's third observing run	2022	Physical Review D	105	6	63030				10.1103/PhysRevD.105.063030
Search for intermediate-mass black hole binaries in the third observing run of Advanced LIGO and Advanced Virgo	2022	Astronomy and Astrophysics	659		A84				10.1051/0004-6361/202141452
Calibration of advanced Virgo and reconstruction of the detector strain h(t) during the observing run O3	2022	Classical and Quantum Gravity	39	4	45006				10.1088/1361-6382/ac3c8e
Search for continuous gravitational waves from 20 accreting millisecond x-ray pulsars in O3 LIGO data	2022	Physical Review D	105	2	22002				10.1103/PhysRevD.105.022002
HEPScape! The High Energy Physics Escape Room	2022	Proceedings of Science	414		370				
Erratum: A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo (Astrophysical Journal (2021) 909 (218) DOI: 10.3847/1538-4357/abdcb7)	2021	Astrophysical Journal	923	2	279				10.3847/1538-4357/ac4267
All-sky search for short gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run	2021	Physical Review D	104	12	122004				10.1103/PhysRevD.104.122004
Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO-Virgo's Third Observing Run	2021	Astrophysical Journal	923	1	14				10.3847/1538-4357/ac23db
Constraints from LIGO O3 Data on Gravitational-wave Emission Due to R-modes in the Glitching Pulsar PSR J0537-6910	2021	Astrophysical Journal	922	1	71				10.3847/1538-4357/ac0d52
Erratum: Search for gravitational waves from Scorpius X-1 in the second Advanced LIGO observing run with an improved hidden Markov model [Phys. Rev. D 100, 122002 (2019)]	2021	Physical Review D	104	10	A99				10.1103/PhysRevD.104.109903
All-sky search for long-duration gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run	2021	Physical Review D	104	10	102001				10.1103/PhysRevD.104.102001
Searches for continuous gravitational waves from young supernova remnants in the early third observing run of advanced LIGO and Virgo	2021	Astrophysical Journal	921	1	80				10.3847/1538-4357/ac17ea
All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data	2021	Physical Review D	104	8	A2				10.1103/PhysRevD.104.082004
Erratum: Searches for continuous gravitational waves from nine young supernova remnants (ApJ (2015) 813 (39) DOI: 10.1088/0004-637X/813/1/39)	2021	Astrophysical Journal	918	2	90				10.3847/1538-4357/ac1f2d
Erratum: Searches for continuous gravitational waves from 15 supernova remnants and fomalhaut b with advanced LIGO (ApJ (2019) 875 (122) DOI: 10.3847/1538-4357/ab113b)	2021	Astrophysical Journal	918	2	91				10.3847/1538-4357/ac1f2c
Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo's first three observing runs	2021	Physical Review D	104	2	22005				10.1103/PhysRevD.104.022005
Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo's third observing run	2021	Physical Review D	104	2	22004				10.1103/PhysRevD.104.022004
Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO-Virgo Run O3a	2021	Astrophysical Journal	915	2	86				10.3847/1538-4357/abee15
Observation of Gravitational Waves from Two Neutron Star-Black Hole Coalescences	2021	Astrophysical Journal Letters	915	1	L5				10.3847/2041-8213/ac082e
Continuous gravitational-wave data analysis with general purpose computing on graphic processing units	2021	Universe	7	7	218				10.3390/universe7070218
Constraints on Cosmic Strings Using Data from the Third Advanced LIGO-Virgo Observing Run	2021	Physical Review Letters	126	24	241102				10.1103/PhysRevLett.126.241102
Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog	2021	Physical Review D	103	12	122002				10.1103/PhysRevD.103.122002
Diving below the Spin-down Limit: Constraints on Gravitational Waves from the Energetic Young Pulsar PSR J0537-6910	2021	Astrophysical Journal Letters	913	2	L27				10.3847/2041-8213/abffcd
GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run	2021	Physical Review X	11	2	21053				10.1103/PhysRevX.11.021053
Population properties of compact objects from the second LIGO-Virgo gravitational-wave transient catalog	2021	Astrophysical Journal Letters	913	1	L7				10.3847/2041-8213/abe949
Probing new light gauge bosons with gravitational-wave interferometers using an adapted semicoherent method	2021	Physical Review D	103	10	103002				10.1103/PhysRevD.103.103002
Sidereal filtering: A novel robust method to search for continuous gravitational waves	2021	Physical Review D	103	6	63030				10.1103/PhysRevD.103.063030
All-sky search in early O3 LIGO data for continuous gravitational-wave signals from unknown neutron stars in binary systems	2021	Physical Review D	103	6	64017				10.1103/PhysRevD.103.064017
A Gravitational-wave Measurement of the Hubble Constant following the Second Observing Run of Advanced LIGO and Virgo	2021	Astrophysical Journal	909	2	218				10.3847/1538-4357/abdcb7
High-bandwidth beam balance for vacuum-weight experiment and Newtonian noise subtraction	2021	European Physical Journal Plus	136	3	335				10.1140/epjp/s13360-021-01214-4
Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo	2021	SoftwareX	13		100658				10.1016/j.softx.2021.100658
Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA	2020	Living Reviews in Relativity	23	1	3				10.1007/s41114-020-00026-9
A Doppler-modulation based veto to discard false continuous gravitational-wave candidates	2020	Classical and Quantum Gravity	37	22	225007				10.1088/1361-6382/abac43
Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars	2020	Astrophysical Journal Letters	902	1	L21				10.3847/2041-8213/abb655
Quantum Backaction on kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector	2020	Physical Review Letters	125	13	131101				10.1103/PhysRevLett.125.131101
GW190521: A Binary Black Hole Merger with a Total Mass of 150 M	2020	Physical Review Letters	125	10	101102				10.1103/PhysRevLett.125.101102
Properties and Astrophysical Implications of the 150 M o˙Binary Black Hole Merger GW190521	2020	Astrophysical Journal Letters	900	1	L13				10.3847/2041-8213/aba493
Erratum: Searches for gravitational waves from known pulsars at two harmonics in 2015-2017 LIGO data (Astrophysical Journal (2019) 879 (10) DOI: 10.3847/1538-4357/ab20cb)	2020	Astrophysical Journal	899	2	170				10.3847/1538-4357/ababb
GW190412: Observation of a binary-black-hole coalescence with asymmetric masses	2020	Physical Review D	102	4	43015				10.1103/PhysRevD.102.043015
GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object	2020	Astrophysical Journal Letters	896	2	L44				10.3847/2041-8213/ab960f
A joint fermi-gbm and ligo/virgo analysis of compact binary mergers from the first and second gravitational-wave observing runs	2020	Astrophysical Journal	893	2	100				10.3847/1538-4357/ab7d3e
Directed search for continuous gravitational-wave signals from the Galactic Center in the Advanced LIGO second observing run	2020	Physical Review D	101	8	82004				10.1103/PhysRevD.101.082004
Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo	2020	Physical Review D	101	8	84002				10.1103/PhysRevD.101.084002
GW190425: Observation of a Compact Binary Coalescence with Total Mass ~ 3.4 M o	2020	Astrophysical Journal Letters	892	1	L3				10.3847/2041-8213/ab75f5
The advanced Virgo longitudinal control system for the O2 observing run	2020	Astroparticle Physics	116		102386				10.1016/j.astropartphys.2019.07.005
A guide to LIGO-Virgo detector noise and extraction of transient gravitational-wave signals	2020	Classical and Quantum Gravity	37	5	55002				10.1088/1361-6382/ab685e
Advanced Virgo Status	2020	Journal of Physics: Conference Series	1342	1	12010				10.1088/1742-6596/1342/1/012010
Model comparison from LIGO-Virgo data on GW170817's binary components and consequences for the merger remnant	2020	Classical and Quantum Gravity	37	4	45006				10.1088/1361-6382/ab5f7c
Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light	2019	Physical Review Letters	123	23	231108				10.1103/PhysRevLett.123.231108
Search for gravitational waves from Scorpius X-1 in the second Advanced LIGO observing run with an improved hidden Markov model	2019	Physical Review D	100	12	122002				10.1103/PhysRevD.100.122002
Search for Gravitational-wave Signals Associated with Gamma-Ray Bursts during the Second Observing Run of Advanced LIGO and Advanced Virgo	2019	Astrophysical Journal	886	1	75				10.3847/1538-4357/ab4b48
Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1	2019	Physical Review D	100	10	104036				10.1103/PhysRevD.100.104036
Direct constraints on the ultralight boson mass from searches of continuous gravitational waves	2019	Physical Review Letters	123	17	171101				10.1103/PhysRevLett.123.171101
Search for Subsolar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run	2019	Physical Review Letters	123	16	161102				10.1103/PhysRevLett.123.161102
Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during Their First and Second Observing Runs	2019	Astrophysical Journal	883	2	149				10.3847/1538-4357/ab3c2d
Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network	2019	Physical Review D	100	6	64064				10.1103/PhysRevD.100.064064
A resampling algorithm to detect continuous gravitational-wave signals from neutron stars in binary systems	2019	Classical and Quantum Gravity	36	20	205015				10.1088/1361-6382/ab4367
How effective is machine learning to detect long transient gravitational waves from neutron stars in a real search?	2019	Physical Review D	100	6	62005				10.1103/PhysRevD.100.062005
Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo	2019	Astrophysical Journal Letters	882	2	L24				10.3847/2041-8213/ab3800
GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs	2019	Physical Review X	9	3	31040				10.1103/PhysRevX.9.031040
Directional limits on persistent gravitational waves using data from Advanced LIGO's first two observing runs	2019	Physical Review D	100	6	62001				10.1103/PhysRevD.100.062001
Search for the isotropic stochastic background using data from Advanced LIGO's second observing run	2019	Physical Review D	100	6	61101				10.1103/PhysRevD.100.061101
Erratum: Searches for gravitational waves from known pulsars at two harmonics in 2015-2017 LIGO data (Astrophysical Journal (2019) 879 (10) DOI: 10.3847/1538-4357/ab20cb)	2019	Astrophysical Journal	882	1	73				10.3847/1538-4357/ab3231
All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run	2019	Physical Review D	100	2	24017				10.1103/PhysRevD.100.024017
All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data	2019	Physical Review D	100	2	24004				10.1103/PhysRevD.100.024004
Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015-2017 LIGO Data	2019	Astrophysical Journal	879	1	10				10.3847/1538-4357/ab20cb
Tests of General Relativity with GW170817	2019	Physical Review Letters	123	1	11102				10.1103/PhysRevLett.123.011102
Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run	2019	Physical Review D	99	12	122002				10.1103/PhysRevD.99.122002
All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run	2019	Physical Review D	99	10	104033				10.1103/PhysRevD.99.104033
First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary-Black-hole Merger GW170814	2019	Astrophysical Journal Letters	876	1	L7				10.3847/2041-8213/ab14f1
Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run	2019	Astrophysical Journal	875	2	161				10.3847/1538-4357/ab0e8f
Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO	2019	Astrophysical Journal	875	2	122				10.3847/1538-4357/ab113b
Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817	2019	Astrophysical Journal	875	2	160				10.3847/1538-4357/ab0f3d
Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO's Second Observing Run	2019	Astrophysical Journal	874	2	163				10.3847/1538-4357/ab0e15
Constraining the p-Mode-g-Mode Tidal Instability with GW170817	2019	Physical Review Letters	122	6	61104				10.1103/PhysRevLett.122.061104
A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run	2019	Astrophysical Journal	871	1	90				10.3847/1538-4357/aaf726
A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart	2019	Astrophysical Journal Letters	871	1	L13				10.3847/2041-8213/aaf96e
Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube	2019	Astrophysical Journal	870	2	134				10.3847/1538-4357/aaf21d
A new data analysis framework for the search of continuous gravitational wave signals	2019	Classical and Quantum Gravity	36	1	15008				10.1088/1361-6382/aaefb5
Properties of the Binary Neutron Star Merger GW170817	2019	Physical Review X	9	1	11001				10.1103/PhysRevX.9.011001
New method to observe gravitational waves emitted by core collapse supernovae	2018	Physical Review D	98	12	122002				10.1103/PhysRevD.98.122002
Search for Subsolar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run	2018	Physical Review Letters	121	23	231103				10.1103/PhysRevLett.121.231103
Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA	2018	Living Reviews in Relativity	21	1	3				10.1007/s41114-018-0012-9
GW170817: Measurements of Neutron Star Radii and Equation of State	2018	Physical Review Letters	121	16	161101				10.1103/PhysRevLett.121.161101
Calibration of advanced Virgo and reconstruction of the gravitational wave signal h(t) during the observing run O2	2018	Classical and Quantum Gravity	35	20	205004				10.1088/1361-6382/aadf1a
Status of advanced virgo	2018	EPJ Web of Conferences	182		2003				10.1051/epjconf/201818202003
Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background	2018	Physical Review Letters	120	20	201102				10.1103/PhysRevLett.120.201102
Constraints on cosmic strings using data from the first Advanced LIGO observing run	2018	Physical Review D	97	10	102002				10.1103/PhysRevD.97.102002
Full band all-sky search for periodic gravitational waves in the O1 LIGO data	2018	Physical Review D	97	10	102003				10.1103/PhysRevD.97.102003
Identification and mitigation of narrow spectral artifacts that degrade searches for persistent gravitational waves in the first two observing runs of Advanced LIGO	2018	Physical Review D	97	8	82002				10.1103/PhysRevD.97.082002
GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences	2018	Physical Review Letters	120	9	91101				10.1103/PhysRevLett.120.091101
All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run	2018	Classical and Quantum Gravity	35	6	65009				10.1088/1361-6382/aaab76
Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGO's first observing run	2018	Classical and Quantum Gravity	35	6	65010				10.1088/1361-6382/aaaafa
First Search for Nontensorial Gravitational Waves from Known Pulsars	2018	Physical Review Letters	120	3	31104				10.1103/PhysRevLett.120.031104
Advanced Virgo status	2018	14th Marcel Grossman Meeting On Recent Developments in Theoretical and E				3183	3191		10.1142/9789813226609_0406
Method to search for long duration gravitational wave transients from isolated neutron stars using the generalized frequency-Hough transform	2018	Physical Review D	98	10	102004				10.1103/PhysRevD.98.102004
Semicoherent analysis method to search for continuous gravitational waves emitted by ultralight boson clouds around spinning black holes	2018	Physical Review D	98	10	103017				10.1103/PhysRevD.98.103017
Phase decomposition of the template metric for continuous gravitational-wave searches	2018	Physical Review D	98	10	102003				10.1103/PhysRevD.98.102003
GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence	2017	Astrophysical Journal Letters	851	2	L35				10.3847/2041-8213/aa9f0c
First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data	2017	Physical Review D	96	12	122004				10.1103/PhysRevD.96.122004
First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data	2017	Physical Review D	96	12	122006				10.1103/PhysRevD.96.122006
Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817	2017	Astrophysical Journal Letters	851	1	L16				10.3847/2041-8213/aa9a35
Erratum: First search for gravitational waves from known pulsars with advanced LIGO (Astrophysical Journal (2017) 839 (12) DOI: 10.3847/1538-4357/aa677f)	2017	Astrophysical Journal	851	1	71				10.3847/1538-4357/aa9aee
Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory	2017	Astrophysical Journal Letters	850	2	L35				10.3847/2041-8213/aa9aed
On the Progenitor of Binary Neutron Star Merger GW170817	2017	Astrophysical Journal Letters	850	2	L40				10.3847/2041-8213/aa93fc
Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817	2017	Astrophysical Journal Letters	850	2	L39				10.3847/2041-8213/aa9478
A gravitational-wave standard siren measurement of the Hubble constant	2017	Nature	551	7678		85	98		10.1038/nature24471
Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A	2017	Astrophysical Journal Letters	848	2	L13				10.3847/2041-8213/aa920c
Status of the Advanced Virgo gravitational wave detector	2017	International Journal of Modern Physics A	32	28-29	1744003				10.1142/S0217751X17440031
GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral	2017	Physical Review Letters	119	16	161101				10.1103/PhysRevLett.119.161101
GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence	2017	Physical Review Letters	119	14	141101				10.1103/PhysRevLett.119.141101

Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data	2017	Astrophysical Journal	847	1	47				10.3847/1538-4357/aa86f0
All-sky search for periodic gravitational waves in the O1 LIGO data	2017	Physical Review D	96	6	62002				10.1103/PhysRevD.96.062002
Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube	2017	Physical Review D	96	2	22005				10.1103/PhysRevD.96.022005
Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO	2017	Physical Review D	96	2	22001				10.1103/PhysRevD.96.022001
Novel directed search strategy to detect continuous gravitational waves from neutron stars in low- and high-eccentricity binary systems	2017	Physical Review D	95	12					10.1103/PhysRevD.95.122001
Search for gravitational waves from Scorpius X-1 in the first Advanced LIGO observing run with a hidden Markov model	2017	Physical Review D	95	12					10.1103/PhysRevD.95.122003
An improved algorithm for narrow-band searches of continuous gravitational waves	2017	Classical and Quantum Gravity	34	13	135007				10.1088/1361-6382/aa744f
Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B	2017	Astrophysical Journal	841	2	89				10.3847/1538-4357/aa6c47
GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2	2017	Physical Review Letters	118	22	221101				10.1103/PhysRevLett.118.221101
Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544	2017	Physical Review D	95	8	82005				10.1103/PhysRevD.95.082005
Effects of waveform model systematics on the interpretation of GW150914	2017	Classical and Quantum Gravity	34	10	104002				10.1088/1361-6382/aa6854
First Search for Gravitational Waves from Known Pulsars with Advanced LIGO	2017	Astrophysical Journal	839	1	12				10.3847/1538-4357/aa677f
Observation of gravitational waves from a binary black hole merger	2017	Centennial of General Relativity: A Celebration				291	311		10.1142/9789814699662_0011
Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run	2017	Physical Review Letters	118	12	121101				10.1103/PhysRevLett.118.121101
Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run	2017	Physical Review Letters	118	12	121102				10.1103/PhysRevLett.118.121102
All-sky search for short gravitational-wave bursts in the first Advanced LIGO run	2017	Physical Review D	95	4	42003				10.1103/PhysRevD.95.042003
Multi-messenger observations of a binary neutron star merger	2017	Astrophysical Journal Letters	848	2	L12				10.3847/2041-8213/aa91c9
The basic physics of the binary black hole merger GW150914	2017	Annalen der Physik	529	1-2	1600209				10.1002/andp.201600209
Hierarchical follow-up of subthreshold candidates of an all-sky Einstein@Home search for continuous gravitational waves on LIGO sixth science run data	2016	Physical Review D	94	12	122006				10.1103/PhysRevD.94.122006
The rate of binary black hole mergers inferred from advanced LIGO observations surrounding GW150914	2016	Astrophysical Journal Letters	833	1	L1				10.3847/2041-8205/833/1/L1
Supplement: The Rate Of Binary Black Hole Mergers Inferred From Advanced Ligo Observations Surrounding Gw150914	2016	Astrophysical Journal, Supplement Series	227	2	14				10.3847/0067-0049/227/2/14
Results of the deepest all-sky survey for continuous gravitational waves on LIGO S6 data running on the Einstein@Home volunteer distributed computing project	2016	Physical Review D	94	10	102002				10.1103/PhysRevD.94.102002
First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors	2016	Physical Review D	94	10	102001				10.1103/PhysRevD.94.102001
Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence	2016	Physical Review D	94	6	64035				10.1103/PhysRevD.94.064035
Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data	2016	Physical Review D	94	4	42002				10.1103/PhysRevD.94.042002
Localization and broadband follow-up of the gravitational-wave transient GW150914	2016	Astrophysical Journal Letters	826	1	L13				10.3847/2041-8205/826/1/L13
SUPPLEMENT: "LOCALIZATION and BROADBAND FOLLOW-UP of the GRAVITATIONAL-WAVE TRANSIENT GW150914" (2016, ApJL, 826, L13)	2016	Astrophysical Journal, Supplement Series	225	1	8				10.3847/0067-0049/225/1/8
High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube	2016	Physical Review D	93	12	122010				10.1103/PhysRevD.93.122010
Search for transient gravitational waves in coincidence with short-duration radio transients during 2007-2013	2016	Physical Review D	93	12	122008				10.1103/PhysRevD.93.122008
GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence	2016	Physical Review Letters	116	24	241103				10.1103/PhysRevLett.116.241103
Properties of the Binary Black Hole Merger GW150914	2016	Physical Review Letters	116	24	241102				10.1103/PhysRevLett.116.241102
GW150914: First results from the search for binary black hole coalescence with Advanced LIGO	2016	Physical Review D	93	12	122003				10.1103/PhysRevD.93.122003
Observing gravitational-wave transient GW150914 with minimal assumptions	2016	Physical Review D	93	12	122004				10.1103/PhysRevD.93.122004
Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914	2016	Classical and Quantum Gravity	33	13	134001				10.1088/0264-9381/33/13/134001
Tests of General Relativity with GW150914	2016	Physical Review Letters	116	22	221101				10.1103/PhysRevLett.116.221101
GW150914: Implications for the stochastic gravitational-wave background from binary black holes	2016	Physical Review Letters	116	13	131102				10.1103/PhysRevLett.116.131102
GW150914: The advanced LIGO detectors in the era of first discoveries	2016	Physical Review Letters	116	13	131103				10.1103/PhysRevLett.116.131103
First low frequency all-sky search for continuous gravitational wave signals	2016	Physical Review D	93	4	42007				10.1103/PhysRevD.93.042007
ASTROPHYSICAL IMPLICATIONS of the BINARY BLACK HOLE MERGER GW150914	2016	Astrophysical Journal Letters	818	2	L22				10.3847/2041-8205/818/2/L22
Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers	2016	Physical Review D	93	4	42006				10.1103/PhysRevD.93.042006
All-sky search for long-duration gravitational wave transients with initial LIGO	2016	Physical Review D	93	4	42005				10.1103/PhysRevD.93.042005
Observation of gravitational waves from a binary black hole merger	2016	Physical Review Letters	116	6	61102				10.1103/PhysRevLett.116.061102
Prospects for observing and localizing gravitational-wave transients with advanced LIGO and advanced virgo	2016	Living Reviews in Relativity	19		1	1	39		10.1007/lrr-2016-1
UPPER LIMITS on the RATES of BINARY NEUTRON STAR and NEUTRON STAR-BLACK HOLE MERGERS from ADVANCED LIGO'S FIRST OBSERVING RUN	2016	Astrophysical Journal Letters	832	2	L21				10.3847/2041-8205/832/2/L21
Comparison of methods for the detection of gravitational waves from unknown neutron stars	2016	Physical Review D	94	12	124010				10.1103/PhysRevD.94.124010
Binary Black Hole Mergers in the First Advanced LIGO Observing Run	2016	Physical Review X	6	4	41015				10.1103/PhysRevX.6.041015
Improved analysis of GW150914 using a fully spin-precessing waveform model	2016	Physical Review X	6	4	41014				10.1103/PhysRevX.6.041014
SEARCHES for CONTINUOUS GRAVITATIONAL WAVES from NINE YOUNG SUPERNOVA REMNANTS	2015	Astrophysical Journal	813	1	39				10.1088/0004-637X/813/1/39
Characterization of the LIGO detectors during their sixth science run	2015	Classical and Quantum Gravity	32	11	115012				10.1088/0264-9381/32/11/115012
The Advanced Virgo detector	2015	Journal of Physics: Conference Series	610	1	12014				10.1088/1742-6596/610/1/012014
Directed search for gravitational waves from Scorpius X-1 with initial LIGO data	2015	Physical Review D - Particles, Fields, Gravitation a	91	6	62008				10.1103/PhysRevD.91.062008
Gravitational waves: search results, data analysis and parameter estimation: Amaldi 10 Parallel session C2	2015	General Relativity and Gravitation	47	2				26	10.1007/s10714-014-1796-x
Advanced Virgo: A second-generation interferometric gravitational wave detector	2015	Classical and Quantum Gravity	32	2	24001				10.1088/0264-9381/32/2/024001
Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data	2015	Physical Review D - Particles, Fields, Gravitation a	91	2	22004				10.1103/PhysRevD.91.022004
Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors	2015	Physical Review D - Particles, Fields, Gravitation a	91	2	22003				10.1103/PhysRevD.91.022003
Improved upper limits on the stochastic gravitational-wave background from 2009-2010 LIGO and Virgo data	2014	Physical Review Letters	113	23	231101				10.1103/PhysRevLett.113.231101
Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube	2014	Physical Review D - Particles, Fields, Gravitation a	90	10	102002				10.1103/PhysRevD.90.102002
First all-sky search for continuous gravitational waves from unknown sources in binary systems	2014	Physical Review D - Particles, Fields, Gravitation a	90	6	62010				10.1103/PhysRevD.90.062010
C7 multi-messenger astronomy of GW sources	2014	General Relativity and Gravitation	46	9				18	10.1007/s10714-014-1771-6
Implementation of an F-statistic all-sky search for continuous gravitational waves in Virgo VSR1 data	2014	Classical and Quantum Gravity	31	16	165014				10.1088/0264-9381/31/16/165014
Reconstruction of the gravitational wave signal h(t) during the Virgo science runs and independent validation with a photon calibrator	2014	Classical and Quantum Gravity	31	16	165013				10.1088/0264-9381/31/16/165013
Method for all-sky searches of continuous gravitational wave signals using the frequency-Hough transform	2014	Physical Review D - Particles, Fields, Gravitation a	90	4	42002				10.1103/PhysRevD.90.042002
Search for gravitational waves associated with γ-ray bursts detected by the interplanetary network	2014	Physical Review Letters	113	1	11102				10.1103/PhysRevLett.113.011102
Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO 600, LIGO, and Virgo detectors	2014	Physical Review D - Particles, Fields, Gravitation a	89	12	122004				10.1103/PhysRevD.89.122004
Search for gravitational radiation from intermediate mass black hole binaries in data from the second LIGO-Virgo joint science run	2014	Physical Review D - Particles, Fields, Gravitation a	89	12	122003				10.1103/PhysRevD.89.122003
The NINJA-2 project: Detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations	2014	Classical and Quantum Gravity	31	11	115004				10.1088/0264-9381/31/11/115004
Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005-2010	2014	Physical Review D - Particles, Fields, Gravitation a	89	10	102006				10.1103/PhysRevD.89.102006
Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run	2014	Classical and Quantum Gravity	31	8	85014				10.1088/0264-9381/31/8/085014
Gravitational waves from known pulsars: Results from the initial detector era	2014	Astrophysical Journal	785	2	119				10.1088/0004-637X/785/2/119
Constraints on cosmic strings from the ligo-virgo gravitational-wave detectors	2014	Physical Review Letters	112	13	131101				10.1103/PhysRevLett.112.131101
Method for narrow-band search of continuous gravitational wave signals	2014	Physical Review D - Particles, Fields, Gravitation a	89	6	62008				10.1103/PhysRevD.89.062008
First searches for optical counterparts to gravitational-wave candidate events	2014	Astrophysical Journal, Supplement Series	211	1	7				10.1088/0067-0049/211/1/7
Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts	2013	Physical Review D - Particles, Fields, Gravitation a	88	12	122004				10.1103/PhysRevD.88.122004
Directed search for continuous gravitational waves from the Galactic center	2013	Physical Review D - Particles, Fields, Gravitation a	88	10	102002				10.1103/PhysRevD.88.102002
Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network	2013	Physical Review D - Particles, Fields, Gravitation a	88	6	62001				10.1103/PhysRevD.88.062001
Analysis of 3 years of data from the gravitational wave detectors EXPLORER and NAUTILUS	2013	Physical Review D - Particles, Fields, Gravitation a	87	8	82002				10.1103/PhysRevD.87.082002
Central heating radius of curvature correction (CHRoCC) for use in large scale gravitational wave interferometers	2013	Classical and Quantum Gravity	30	5	55017				10.1088/0264-9381/30/5/055017
Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data	2013	Physical Review D - Particles, Fields, Gravitation a	87	4	42001				10.1103/PhysRevD.87.042001
Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009-2010	2013	Physical Review D - Particles, Fields, Gravitation a	87	2	22002				10.1103/PhysRevD.87.022002
Quark nuggets search using 2350 Kg gravitational waves aluminum bar detectors	2013	Proceedings of the 33rd International Cosmic Rays	2013-October						
A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007	2013	Journal of Cosmology and Astroparticle Physics	2013	6		1	39		10.1088/1475-7516/2013/06/008
Virgo: Design, results and perspective	2012	RESCEU Symposium on General Relativity and Gravitation, JGRG 22				111403			
Status of the commissioning of the Virgo interferometer	2012	AIP Conference Proceedings	1446			150	158		10.1063/1.4727993
Swift follow-up observations of candidate gravitational-wave transient events	2012	Astrophysical Journal, Supplement Series	203	2	28				10.1088/0067-0049/203/2/28
Search for gravitational waves associated with gamma-ray bursts during Ligo science run 6 and Virgo science runs 2 and 3	2012	Astrophysical Journal	760	1	12				10.1088/0004-637X/760/1/12
Erratum: Search for gravitational waves from binary black hole inspiral, merger, and ringdown (Physical Review D - Particles, Fields, Gravitation and Cosmology (2011) 83 (122005))	2012	Physical Review D - Particles, Fields, Gravitation a	86	6	69903				10.1103/PhysRevD.86.069903
The characterization of Virgo data and its impact on gravitational-wave searches	2012	Classical and Quantum Gravity	29	15	155002				10.1088/0264-9381/29/15/155002
Scientific objectives of Einstein Telescope	2012	Classical and Quantum Gravity	29	12	124013				10.1088/0264-9381/29/12/124013
Recent results for the search of continuous waves with the LIGO and Virgo detectors	2012	Classical and Quantum Gravity	29	12	124011				10.1088/0264-9381/29/12/124011
All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run	2012	Physical Review D - Particles, Fields, Gravitation a	85	12	122007				10.1103/PhysRevD.85.122007
Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600-1000 Hz	2012	Physical Review D - Particles, Fields, Gravitation a	85	12	122001				10.1103/PhysRevD.85.122001
First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts	2012	Astronomy and Astrophysics	541		A155				10.1051/0004-6361/201218860
Search for gravitational waves from intermediate mass binary black holes	2012	Physical Review D - Particles, Fields, Gravitation a	85	10	102004				10.1103/PhysRevD.85.102004
Erratum: All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run (Physical Review D - Particles, Fields, Gravitation and Cosmology (2010) 81 (102001))	2012	Physical Review D - Particles, Fields, Gravitation a	85	8	89905				10.1103/PhysRevD.85.089905
Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3	2012	Physical Review D - Particles, Fields, Gravitation a	85	8	82002				10.1103/PhysRevD.85.082002
Erratum: Search for gravitational waves from binary black hole inspiral, merger, and ringdown (Physical Review D - Particles, Fields, Gravitation and Cosmology)	2012	Physical Review D - Particles, Fields, Gravitation a	85	8	89904				10.1103/PhysRevD.85.089904
Erratum: Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1 (Physical Review D - Particles, Fields, Gravitation and Cosmology)	2012	Physical Review D - Particles, Fields, Gravitation a	85	8	89903				10.1103/PhysRevD.85.089903
Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts	2012	Astronomy and Astrophysics	539		A124				10.1051/0004-6361/201118219
Virgo: A laser interferometer to detect gravitational waves	2012	Journal of Instrumentation	7	3	P03012				10.1088/1748-0221/7/03/P03012
Characterization of the Virgo seismic environment	2012	Classical and Quantum Gravity	29	2	25005				10.1088/0264-9381/29/2/025005
All-sky search for periodic gravitational waves in the full S5 LIGO data	2012	Physical Review D - Particles, Fields, Gravitation a	85	2	22001				10.1103/PhysRevD.85.022001
A thermal compensation system for the gravitational wave detector virgo	2012	12th Marcel Grossmann Meeting on Recent Dev. in Theoretical and Experimen				1652	1656		10.1142/9789814374552_0295
Progresses in the realization of a monolithic suspension system in virgo	2012	12th Marcel Grossmann Meeting on Recent Dev. in Theoretical and Experimen				1657	1661		10.1142/9789814374552_0296
Plans for the upgrade of the gravitational wave detector virgo: Advanced virgo	2012	12th Marcel Grossmann Meeting on Recent Dev. in Theoretical and Experimen				1738	1742		10.1142/9789814374552_0313
Noise analysis in virgo: On-line and offline tools for noise characterization	2012	12th Marcel Grossmann Meeting on Recent Dev. in Theoretical and Experimen				1692	1699		10.1142/9789814374552_0304
Coherent search of continuous gravitational wave signals: Extension of the 5-vectors method to a network of detectors	2012	Journal of Physics: Conference Series	363	1	12038				10.1088/1742-6596/363/1/012038
Noise monitor tools and their application to Virgo data	2012	Journal of Physics: Conference Series	363	1	12024				10.1088/1742-6596/363/1/012024
The NoEMi (Noise Frequency Event Miner) framework	2012	Journal of Physics: Conference Series	363	1	12037				10.1088/1742-6596/363/1/012037
Directional limits on persistent gravitational waves using LIGO S5 science data	2011	Physical Review Letters	107	27	271102				10.1103/PhysRevLett.107.271102
Beating the spin-down limit on gravitational wave emission from the Vela pulsar	2011	Astrophysical Journal	737	2	93				10.1088/0004-637X/737/2/93
Search for gravitational wave bursts from six magnetars	2011	Astrophysical Journal Letters	734	2 PAR	L35				10.1088/2041-8205/734/2/L35
Search for gravitational waves from binary black hole inspiral, merger, and ringdown	2011	Physical Review D - Particles, Fields, Gravitation a	83	12	122005				10.1103/PhysRevD.83.122005
Status of the virgo project	2011	Classical and Quantum Gravity	28	11	114002				10.1088/0264-9381/28/11/114002
The seismic Superattenuators of the Virgo gravitational waves interferometer	2011	Journal of Low Frequency Noise Vibration and Acti	30	1		63	79		10.1260/0263-0923.30.1.63
Calibration and sensitivity of the Virgo detector during its second science run	2011	Classical and Quantum Gravity	28	2	25005				10.1088/0264-9381/28/2/025005
Advanced Virgo	2011	Proceedings of the 46th Rencontres de Moriond and GPhyS Colloquium - 201				119	126		
Virgo gravitational wave detector: Results and perspectives	2011	Nuovo Cimento della Societa Italiana di Fisica C	34	6		189	194		10.1393/ncc/i2011-11111-9
A state observer for the Virgo inverted pendulum	2011	Review of Scientific Instruments	82	9	94502				10.1063/1.3637466
The virgo interferometer for gravitational wave detection	2011	International Journal of Modern Physics D	20	10		2075	2079		10.1142/S0218271811020202
Performance of the Virgo interferometer longitudinal control system during the second science run	2011	Astroparticle Physics	34	7		521	527		10.1016/j.astropartphys.2010.11.006
Automatic Alignment system during the second science run of the Virgo interferometer	2011	Astroparticle Physics	34	6		327	332		10.1016/j.astropartphys.2010.10.005
Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1	2010	Physical Review D - Particles, Fields, Gravitation a	82	10	102001				10.1103/PhysRevD.82.102001
Noise from scattered light in Virgo's second science run data	2010	Classical and Quantum Gravity	27	19	194011				10.1088/0264-9381/27/19/194011
A method for detection of known sources of continuous gravitational wave signals in non-stationary data	2010	Classical and Quantum Gravity	27	19	194016				10.1088/0264-9381/27/19/194016
Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors	2010	Classical and Quantum Gravity	27	17	173001				10.1088/0264-9381/27/17/173001
In-vacuum Faraday isolation remote tuning	2010	Applied Optics	49	25		4780	4790		10.1364/ao.49.004780
Data analysis of gravitational-wave signals from spinning neutron stars. V. A narrow-band all-sky search	2010	Physical Review D - Particles, Fields, Gravitation a	82	2	22005				10.1103/PhysRevD.82.022005
IGEC2: A 17-month search for gravitational wave bursts in 2005-2007	2010	Physical Review D - Particles, Fields, Gravitation a	82	2	22003				10.1103/PhysRevD.82.022003
All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run	2010	Physical Review D - Particles, Fields, Gravitation a	81	10	102001				10.1103/PhysRevD.81.102001
Tools for noise characterization in Virgo	2010	Journal of Physics: Conference Series	243		12004				10.1088/1742-6596/243/1/012004
Using a cleaning technique for the search of continuous gravitational waves in LIGO data	2010	Journal of Physics: Conference Series	228		12006				10.1088/1742-6596/228/1/012006
Virgo calibration and reconstruction of the gravitationnal wave strain during VSR1	2010	Journal of Physics: Conference Series	228		12015				10.1088/1742-6596/228/1/012015
Search for gravitational-wave bursts associated with gamma-ray bursts using data from LIGO science run 5 and Virgo science run 1	2010	Astrophysical Journal	715	2		1438	1452		10.1088/0004-637X/715/2/1438
Search for gravitational-wave inspiral signals associated with short gamma-ray bursts during LIGO'S fifth and Virgo's first science run	2010	Astrophysical Journal	715	2		1453	1461		10.1088/0004-637X/715/2/1453
Status and perspectives of the Virgo gravitational wave detector	2010	Journal of Physics: Conference Series	203		12074				10.1088/1742-6596/203/1/012074
Searches for gravitational waves from known pulsars with science run 5 ligo data	2010	Astrophysical Journal	713	1		671	685		10.1088/0004-637X/713/1/671
Measurements of Superattenuator seismic isolation by Virgo interferometer	2010	Astroparticle Physics	33	3		182	189		10.1016/j.astropartphys.2010.01.006
Automatic Alignment for the first science run of the Virgo interferometer	2010	Astroparticle Physics	33	3		131	139		10.1016/j.astropartphys.2010.01.010
Performances of the Virgo interferometer longitudinal control system	2010	Astroparticle Physics	33	2		75	80		10.1016/j.astropartphys.2009.11.006

Control of the laser frequency of the Virgo gravitational wave interferometer with an in-loop relative frequency stability of 1.0 × 10 -21 on a 100 ms time scale	2009	2009 IEEE International Frequency Control Symposium Joint with th			5168287	760	763		10.1109/FREQ.2009.5168287
Cleaning the Virgo sampled data for the search of periodic sources of gravitational waves	2009	Classical and Quantum Gravity	26	20	204002				10.1088/0264-9381/26/20/204002
Gravitational wave burst search in the Virgo C7 data	2009	Classical and Quantum Gravity	26	8	85009				10.1088/0264-9381/26/8/085009
An upper limit on the stochastic gravitational-wave background of cosmological origin	2009	Nature	460	7258		990	994		10.1038/nature08278
Laser with an in-loop relative frequency stability of 1.0× 10-21 on a 100-ms time scale for gravitational-wave detection	2009	Physical Review A - Atomic, Molecular, and Optica	79	5	53824				10.1103/PhysRevA.79.053824
In-vacuum optical isolation changes by heating in a Faraday isolator	2008	Applied Optics	47	31		5853	5861		10.1364/ao.47.005853
Detection of high energy cosmic rays with the resonant gravitational wave detectors NAUTILUS and EXPLORER	2008	Astroparticle Physics	30	4		200	208		10.1016/j.astropartphys.2008.09.002
First joint gravitational wave search by the AURIGA-EXPLORER-NAUTILUS-Virgo Collaboration	2008	Classical and Quantum Gravity	25	20	205007				10.1088/0264-9381/25/20/205007
All-sky search of NAUTILUS data	2008	Classical and Quantum Gravity	25	18	184012				10.1088/0264-9381/25/18/184012
Detection of periodic gravitational wave sources by Hough transform in the f versus f plane	2008	Classical and Quantum Gravity	25	18	184015				10.1088/0264-9381/25/18/184015
Virgo status	2008	Classical and Quantum Gravity	25	18	184001				10.1088/0264-9381/25/18/184001
Noise studies during the first Virgo science run and after	2008	Classical and Quantum Gravity	25	18	184003				10.1088/0264-9381/25/18/184003
Lock acquisition of the Virgo gravitational wave detector	2008	Astroparticle Physics	30	1		29	38		10.1016/j.astropartphys.2008.06.005
The status of virgo	2008	Journal of Physics: Conference Series	110	6	62025				10.1088/1742-6596/110/6/062025
A cross-correlation method to search for gravitational wave bursts with AURIGA and Virgo	2008	Classical and Quantum Gravity	25	11	114046				10.1088/0264-9381/25/11/114046
Astrophysically triggered searches for gravitational waves: Status and prospects	2008	Classical and Quantum Gravity	25	11	114051				10.1088/0264-9381/25/11/114051
All-sky incoherent search for periodic signals with Explorer 2005 data	2008	Classical and Quantum Gravity	25	11	114028				10.1088/0264-9381/25/11/114028
EXPLORER and NAUTILUS gravitational wave detectors: A status report	2008	Classical and Quantum Gravity	25	11	114048				10.1088/0264-9381/25/11/114048
Status of Virgo	2008	Classical and Quantum Gravity	25	11	114045				10.1088/0264-9381/25/11/114045
The Virgo 3 km interferometer for gravitational wave detection	2008	Journal of Optics A: Pure and Applied Optics	10	6	64009				10.1088/1464-4258/10/6/064009
The Real-Time Distributed Control of the Virgo Interferometric Detector of Gravitational Waves	2008	IEEE Transactions on Nuclear Science	55	1		302	310		10.1109/TNS.2007.912887
Data acquisition system of the virgo gravitational waves interferometric detector	2008	IEEE Transactions on Nuclear Science	55	1		225	232		10.1109/TNS.2007.913937
VIRGO: A large interferometer for gravitational wave detection started its first scientific run	2008	Journal of Physics: Conference Series	120	Part 3	32007				10.1088/1742-6596/120/3/032007
First coincidence search among periodic gravitational wave source candidates using virgo data	2008	11th Marcel Grossmann Meeting on Recent Developments in Theoretical and E				2444	2447		10.1142/9789812834300_0430
Explorer and nautilus gravitational wave detectors - A status report	2008	11th Marcel Grossmann Meeting on Recent Developments in Theoretical and E				2359	2364		10.1142/9789812834300_0410
Virgo data analysis for C6 and C7 engineering runs	2008	11th Marcel Grossmann Meeting on Recent Developments in Theoretical and E				844	869		10.1142/9789812834300_0040
Virgo commissioning progress	2008	11th Marcel Grossmann Meeting on Recent Developments in Theoretical and E				2351	2355		10.1142/9789812834300_0408
Incoherent strategies for the network detection of periodic gravitational waves	2008	11th Marcel Grossmann Meeting on Recent Developments in Theoretical and E				2438	2440		10.1142/9789812834300_0428
The status of the virgo gravitational wave detector	2008	11th Marcel Grossmann Meeting on Recent Developments in Theoretical and E				177	196		10.1142/9789812834300_0010
Search for gravitational waves associated with GRB 050915a using the Virgo detector	2008	Classical and Quantum Gravity	25	22	225001				10.1088/0264-9381/25/22/225001
Data acquisition system of the virgo gravitational waves interferometric detector	2007	2007 15th IEEE-NPSS Real-Time Conference, RT			4382842				10.1109/RTC.2007.4382842
The real-time distributed control of the virgo interferometric detector of gravitational waves	2007	2007 15th IEEE-NPSS Real-Time Conference, RT			4382801				10.1109/RTC.2007.4382801
Status of coalescing binaries search activities in Virgo	2007	Classical and Quantum Gravity	24	23		5767	5775		10.1088/0264-9381/24/23/003
Results of the IGEC-2 search for gravitational wave bursts during 2005	2007	Physical Review D - Particles, Fields, Gravitation a	76	10	102001				10.1103/PhysRevD.76.102001
Coincidence analysis between periodic source candidates in C6 and C7 Virgo data	2007	Classical and Quantum Gravity	24	19	S12	S491	S499		10.1088/0264-9381/24/19/S12
Data quality studies for burst analysis of Virgo data acquired during Weekly Science Runs	2007	Classical and Quantum Gravity	24	19	S05	S415	S422		10.1088/0264-9381/24/19/S05
Gravitational waves by gamma-ray bursts and the Virgo detector: The case of GRB 050915a	2007	Classical and Quantum Gravity	24	19	S29	S671	S679		10.1088/0264-9381/24/19/S29
Analysis of noise lines in the Virgo C7 data	2007	Classical and Quantum Gravity	24	19	S07	S433	S443		10.1088/0264-9381/24/19/S07
Status of Virgo detector	2007	Classical and Quantum Gravity	24	19	S01	S381	S388		10.1088/0264-9381/24/19/S01
Improving the timing precision for inspiral signals found by interferometric gravitational wave detectors	2007	Classical and Quantum Gravity	24	19	S24	S617	S625		10.1088/0264-9381/24/19/S24
Measurement of the optical parameters of the Virgo interferometer	2007	Applied Optics	46	17		3466	3484		10.1364/AO.46.003466
Response of resonant gravitational wave detectors to damped sinusoid signals	2007	Classical and Quantum Gravity	24	6	6				10.1088/0264-9381/24/6/006
Methods of gravitational wave detection in the VIRGO Interferometer	2007	AIP Conference Proceedings	924			187	193		10.1063/1.2774858
All-sky search of EXPLORER data: Search for coincidences	2006	Classical and Quantum Gravity	23	19	S06	S687	S692		10.1088/0264-9381/23/19/S06
Status report on the EXPLORER and NAUTILUS detectors and the present science run	2006	Classical and Quantum Gravity	23	8		S57	S62		10.1088/0264-9381/23/8/S08
The 2003 run of the EXPLORER-NAUTILUS gravitational wave experiment	2006	Classical and Quantum Gravity	23	8		S169	S178		10.1088/0264-9381/23/8/S22
Validating delta-filters for resonant bar detectors of improved bandwidth foreseeing the future coincidence with interferometers	2006	Journal of Physics: Conference Series	32	1		192	197		10.1088/1742-6596/32/1/029
Explorer and nautilus: Present status	2006	The Tenth Marcel Grossmann Meeting: On Recent	3			1969	1978		10.1142/9789812704030_0249
Adaptive Hough transform for the search of periodic sources	2005	Classical and Quantum Gravity	22	18		S1255	S1264		10.1088/0264-9381/22/18/S39
The short FFT database and the peak map for the hierarchical search of periodic sources	2005	Classical and Quantum Gravity	22	18		S1197	S1210		10.1088/0264-9381/22/18/S34
An all-sky search of EXPLORER data	2005	Classical and Quantum Gravity	22	18		S1243	S1254		10.1088/0264-9381/22/18/S38
Evaluation of sensitivity and computing power for the Virgo hierarchical search for periodic sources	2005	Classical and Quantum Gravity	22	18		S1013	S1019		10.1088/0264-9381/22/18/S15
Cumulative analysis of the association between the data of the gravitational wave detectors NAUTILUS and EXPLORER and the gamma ray bursts detected by BATSE and BeppoSAX	2005	Physical Review D - Particles, Fields, Gravitation a	71	4	42001	42001	1-042001-6		10.1103/PhysRevD.71.042001
Seven years of data taking and analysis of data from the Explorer and Nautilus gravitational wave detectors	2004	Classical and Quantum Gravity	21	20 SPEC. ISS.		S1585	S1594		10.1088/0264-9381/21/20/002
Searching for counterpart of γ-ray bursts with resonant gravitational wave detectors	2004	Classical and Quantum Gravity	21	5		S759	S764		10.1088/0264-9381/21/5/054
Comments on the 2001 run of the EXPLORER/NAUTILUS gravitational wave experiment	2003	Classical and Quantum Gravity	20	17		S785	S788		10.1088/0264-9381/20/17/321
All-sky upper limit for gravitational radiation from spinning neutron stars	2003	Classical and Quantum Gravity	20	17		S665	S676		10.1088/0264-9381/20/17/310
Bayesian model comparison applied to the Explorer-Nautilus 2001 coincidence data	2003	Classical and Quantum Gravity	20	17		S769	S784		10.1088/0264-9381/20/17/320
Methods and results of the IGEC search for burst gravitational waves in the years 1997–2000	2003	Physical Review D - Particles, Fields, Gravitation a	68	2					10.1103/PhysRevD.68.022001
Increasing the bandwidth of resonant gravitational antennas: The case of explorer	2003	Physical Review Letters	91	11					10.1103/PhysRevLett.91.111101
Methods and results of the IGEC search for burst gravitational waves in the years 1997-2000	2003	Physical Review D	68	2	22001				10.1103/PhysRevD.68.022001
Analysis techniques for data from resonant-mass detectors	2002	Proceedings of SPIE - The International Society for	4856			177	188		10.1117/12.459022
Study of the coincidences between the gravitational wave detectors EXPLORER and NAUTILUS in 2001	2002	Classical and Quantum Gravity	19	21		5449	5463		10.1088/0264-9381/19/21/310
Effect of cosmic rays on the resonant gravitational wave detector NAUTILUS at temperature T = 1.5 K	2002	Physics Letters, Section B: Nuclear, Elementary Pa	540	3-4		179	184		10.1016/S0370-2693(02)02143-3
Search for gravitational wave bursts by the network of resonant detectors	2002	Classical and Quantum Gravity	19	7		1367	1375		10.1088/0264-9381/19/7/320
The next science run of the gravitational wave detector NAUTILUS	2002	Classical and Quantum Gravity	19	7		1911	1917		10.1088/0264-9381/19/7/392
The EXPLORER gravitational wave antenna: Recent improvements and performances	2002	Classical and Quantum Gravity	19	7		1905	1910		10.1088/0264-9381/19/7/391
Coincidence analysis in gravitational wave experiments	2002	Classical and Quantum Gravity	19	7		1443	1448		10.1088/0264-9381/19/7/328
Anomalous signals due to cosmic rays observed by the bar gravitational wave detector NAUTILUS	2002	Classical and Quantum Gravity	19	7		1897	1903		10.1088/0264-9381/19/7/390
Resonant mass detectors: Present status	2002	Classical and Quantum Gravity	19	7		1227	1235		10.1088/0264-9381/19/7/301
On upper limits for gravitational radiation	2002	Astroparticle Physics	16	4		441	450		10.1016/s0927-6505(01)00166-9
Data analysis of gravitational-wave signals from spinning neutron stars. IV. An all-sky search	2002	Physical Review D	65	4	42003				10.1103/PhysRevD.65.042003
Search for periodic gravitational wave sources with the Explorer detector	2002	Physical Review D	65	2	22001				10.1103/PhysRevD.65.022001
Search for correlation between GRB's detected by BeppoSAX and gravitational wave detectors EXPLORER and NAUTILUS	2002	Physical Review D	66	10	102002				10.1103/PhysRevD.66.102002
Energetic cosmic rays observed by the resonant gravitational wave detector NAUTILUS	2001	Physics Letters, Section B: Nuclear, Elementary Pa	499	1-2		16	22		10.1016/S0370-2693(01)00026-0
Study of coincidences between resonant gravitational wave detectors	2001	Classical and Quantum Gravity	18	2		243	251		10.1088/0264-9381/18/2/304
Time dispersion and efficiency of coincident detection of signals in resonant bar gravitational wave detectors	2000	Physical Review D - Particles, Fields, Gravitation a	62	4	42001	1	5		10.1103/PhysRevD.62.042001
First search for gravitational wave bursts with a network of detectors	2000	Physical Review Letters	85	24		5046	5050		10.1103/PhysRevLett.85.5046
Background estimation in a gravitational wave experiment	2000	International Journal of Modern Physics D	9	3		341	346		10.1142/S0218271800000396
Initial operation of the international gravitational event collaboration	2000	International Journal of Modern Physics D	9	3		237	245		10.1142/S0218271800000219
Stochastic background of gravitational waves	2000	International Journal of Modern Physics D	9	3		361	368		10.1142/S0218271800000426
Cosmic rays observed by the resonant gravitational wave detector NAUTILUS	2000	Physical Review Letters	84	1		14	17		10.1103/PhysRevLett.84.14
Crosscorrelation measurement of stochastic gravitational waves with two resonant gravitational wave detectors	1999	Astronomy and Astrophysics	351	3		811	814		
Upper limit at 1.8 kHz for a gravitational-wave stochastic background with the ALTAIR resonant-mass detector	1999	Astronomy and Astrophysics	343	1		19	22		
Search for gravitational radiation with the Allegro and Explorer detectors	1999	Physical Review D - Particles, Fields, Gravitation a	59	12				6	10.1103/PhysRevD.59.122001
Measurements with the resonant gravitational wave detector EXPLORER during the gamma-ray burst 980425	1999	Astronomy and Astrophysics Supplement Series	138	3		605	606		10.1051/aas:1999371
Search for time correlation between gamma-ray bursts and data from the gravitational wave antenna EXPLORER	1999	Astronomy and Astrophysics Supplement Series	138	3		603	604		10.1051/aas:1999370
Underground spherical gravitational wave detector	1999	Nuclear Physics B - Proceedings Supplements	70	1-3		461	465		10.1016/S0920-5632(98)00471-X
Search for coincident excitation of the widely spaced resonant gravitational wave detectors Explorer, Nautilus and Niobe	1999	Astroparticle Physics	10	1		83	92		10.1016/S0927-6505(98)00033-4
Experimental study of the dynamic Newtonian field with a cryogenic gravitational wave antenna	1998	European Physical Journal C	5	4		651	664		10.1007/s100529800987
On the efficiency of the coincidence search in gravitational wave experiments	1998	General Relativity and Gravitation	30	1		105	114		10.1023/A:1018877001321
Resonant gravitational wave antennas for stochastic background measurements	1997	Classical and Quantum Gravity	14	8		2019	2030		10.1088/0264-9381/14/8/005
Search for gravitational radiation from Supernova 1993J	1997	Physical Review D - Particles, Fields, Gravitation a	56	10		6081	6084		10.1103/PhysRevD.56.6081
The gravitational wave detector NAUTILUS operating at T = 0.1 K	1997	Astroparticle Physics	7	3		231	243		10.1016/S0927-6505(97)00023-6
The fast matched filter for gravitational-wave data analysis: Characteristics and applications	1997	Nuovo Cimento della Societa Italiana di Fisica C	20	1		9	60		
The uitracryogenic gravitational wave detector NAUTILUS	1996	Czechoslovak Journal of Physics	46	SUPPL. 5		2907	2908		10.1007/BF02570440
Upper limit for a gravitational-wave stochastic background with the EXPLORER and NAUTILUS resonant detectors	1996	Physics Letters, Section B: Nuclear, Elementary Pa	385	1-4		421	424		10.1016/0370-2693(96)00965-3
Cosmic-ray-induced cascades on the ultracryogenic antenna NAUTILUS	1996	Nuclear Physics B - Proceedings Supplements	19	1		101	103		10.1016/0920-5632(96)00218-6
Coincidence experiments between interferometric and resonant bar detectors of gravitational waves	1994	Classical and Quantum Gravity	11	8	15	2093	2112		10.1088/0264-9381/11/8/015
Weiner filters for gravitational-wave antennas: Characteristics and applications	1994	Il Nuovo Cimento C	17	6		713	744		10.1007/BF02510882
Upper limit for nuclearite flux from the Rome gravitational wave resonant detectors	1994	Nuclear Physics B (Proceedings Supplements)	35	C		79	81		10.1016/0920-5632(94)90224-0
Long-term operation of the Rome "explorer" cryogenic gravitational wave detector	1993	Physical Review D	47	2		362	375		10.1103/PhysRevD.47.362
Upper limit for nuclearite flux from the Rome gravitational wave resonant detectors	1993	Physical Review D	47	10		4770	4773		10.1103/PhysRevD.47.4770
An adaptive filter for gravitational-wave antennas	1992	Il Nuovo Cimento C	15	4		447	459		10.1007/BF02511745
Noise behaviour of the Explorer gravitational wave antenna during λ transition to the superfluid phase	1992	Cryogenics	32	7		668	670		10.1016/0011-2275(92)90300-Y
Correlation between the Maryland and Rome gravitational-wave detectors and the Mont Blanc, Kamioka and IMB particle detectors during SN 1987 A	1991	Il Nuovo Cimento B	106	11		1257	1269		10.1007/BF02728660
First cooling below 0.1 k of the new gravitational-wave antenna of the rome group.	1991	EPL	16	3		231	235		10.1209/0295-5075/16/3/002
Coincidences among the data recorded by the baksan, kamioka and mont blanc underground neutrino detectors, and by the Maryland and Rome gravitational-wave detectors during Supernova 1987 A	1991	Il Nuovo Cimento C	14	2		171	193		10.1007/BF02509396
Evaluation and preliminary measurement of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna	1991	Zeitschrift für Physik C Particles and Fields	50	1		21	29		10.1007/BF01558552
Fast estimation of the variance of a narrowband process	1990	Review of Scientific Instruments	61	12		3899	3903		10.1063/1.1141519
Sensitivity of the rome gravitational wave experiment with the explorer cryogenic resonant antenna operating at 2 k	1990	EPL	12	1		5	11		10.1209/0295-5075/12/1/002
Method Based on Thermal Noise for Measuring the Loss Characteristics of Capacitors. [UN METODO BASATO SUL RUMORE TERMICO PER LA MISURA DELLE CARATTERISTICHE DI DISSIPAZIONE DEI CON	1985	Energia Elettrica	62	1		29	31		