

# Isidoro Ferrante

## List of Publications by Citations

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466  
papers

49,769  
citations

81  
h-index

215  
g-index

480  
ext. papers

59,491  
ext. citations

4.7  
avg, IF

5.54  
L-index

#	Paper	IF	Citations
466	Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , <b>2016</b> , 116, 061102	7.4	6108
465	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , <b>2017</b> , 119, 161101	7.4	4272
464	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241103	7.4	2136
463	Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L12	7.9	1935
462	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L13	7.9	1614
461	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , <b>2017</b> , 118, 221101	7.4	1609
460	Advanced Virgo: a second-generation interferometric gravitational wave detector. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 024001	3.3	1567
459	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. <i>Physical Review Letters</i> , <b>2017</b> , 119, 141101	7.4	1270
458	GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	1169
457	Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , <b>2010</b> , 27, 173001	3.3	869
456	GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , <b>2018</b> , 121, 161101	7.4	867
455	Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 221101	7.4	837
454	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 851, L35	7.9	809
453	Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 115012	3.3	790
452	Precision electroweak measurements on the Z resonance. <i>Physics Reports</i> , <b>2006</b> , 427, 257-454	27.7	730
451	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , <b>2016</b> , 6,	9.1	723
450	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 896, L44	7.9	571

449	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , <b>2018</b> , 21, 3	32.5	543
448	Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241102	7.4	515
447	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 818, L22	7.9	512
446	Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	423
445	GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$ . <i>Physical Review Letters</i> , <b>2020</b> , 125, 101102	7.4	420
444	A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , <b>2017</b> , 551, 85-88	50.4	413
443	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , <b>2016</b> , 19, 1	32.5	393
442	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 882, L24	7.9	381
441	ALEPH: A detector for electron-positron annihilations at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1990</b> , 294, 121-178	1.2	340
440	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , <b>2016</b> , 116, 131103	7.4	328
439	Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. <i>Physics Reports</i> , <b>2013</b> , 532, 119-244	27.7	291
438	An upper limit on the stochastic gravitational-wave background of cosmological origin. <i>Nature</i> , <b>2009</b> , 460, 990-4	50.4	267
437	Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	258
436	Performance of the ALEPH detector at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1995</b> , 360, 481-506	1.2	256
435	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	253
434	A measurement of the inclusive $b \rightarrow s$ branching ratio. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 429, 169-187	4.2	253
433	Measurement of the axial-vector ( $\tau$ ) spectral functions and determination of $(\alpha_s(M_{\tau}^2))$ from hadronic ( $\tau$ ) decays <b>1998</b> , 4, 409		240
432	Determination of the number of light neutrino species. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1989</b> , 231, 519-529	4.2	223

431	Virgo: a laser interferometer to detect gravitational waves. <i>Journal of Instrumentation</i> , <b>2012</b> , 7, P03012-R03012	12	
430	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	212
429	Properties and Astrophysical Implications of the 150 M $\odot$ Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 900, L13	7.9	207
428	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , <b>2019</b> , 123, 011102	7.4	204
427	Population Properties of Compact Objects from the Second LIGO-Virgo Gravitational-Wave Transient Catalog. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 913, L7	7.9	194
426	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , <b>2016</b> , 116, 131102	7.4	188
425	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 826, L13	7.9	183
424	Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	172
423	The Virgo status. <i>Classical and Quantum Gravity</i> , <b>2006</b> , 23, S635-S642	3.3	166
422	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , <b>2016</b> , 33,	3.3	155
421	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , <b>2020</b> , 23, 3	32.5	144
420	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. <i>Astrophysical Journal</i> , <b>2010</b> , 713, 671-685	4.7	140
419	Status of the Virgo project. <i>Classical and Quantum Gravity</i> , <b>2011</b> , 28, 114002	3.3	140
418	A precise measurement of $\tau \rightarrow b\bar{b}\tau \rightarrow \text{hadrons}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 313, 535-548	4.2	138
417	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , <b>2017</b> , 118, 121101	7.4	137
416	Measurement of the spectral functions of vector current hadronic tau decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1997</b> , 76, 15-33		135
415	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. <i>Physical Review Letters</i> , <b>2019</b> , 123, 231108	7.4	134
414	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STAR-BLACK HOLE MERGERS FROM ADVANCED LIGO'S FIRST OBSERVING RUN. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 832, L21	7.9	130

413	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L39	7.9	127
412	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	122
411	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , <b>2018</b> , 120, 091101	7.4	120
410	Search for the isotropic stochastic background using data from Advanced LIGO's second observing run. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	117
409	Status of Virgo. <i>Classical and Quantum Gravity</i> , <b>2008</b> , 25, 114045	3.3	115
408	Virgo status. <i>Classical and Quantum Gravity</i> , <b>2008</b> , 25, 184001	3.3	110
407	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , <b>2014</b> , 785, 119	4.7	109
406	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , <b>2017</b> , 839, 12	4.7	107
405	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L35	7.9	104
404	Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	100
403	Heavy flavour production in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 244, 551-565	4.2	99
402	A precise determination of the number of families with light neutrinos and of the Z boson partial widths. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 235, 399-414	4.2	99
401	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	96
400	Measuring gravitomagnetic effects by a multi-ring-laser gyroscope. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	96
399	Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo. <i>SoftwareX</i> , <b>2021</b> , 13, 100658	2.7	96
398	Study of charm production in Z decays. <i>European Physical Journal C</i> , <b>2000</b> , 16, 597-611	4.2	95
397	Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	94
396	SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3. <i>Astrophysical Journal</i> , <b>2012</b> , 760, 12	4.7	94

395	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. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 876, L7	7.9	91
394	Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009–2010. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	91
393	Study of ( $\tau$ ) decays involving kaons, spectral functions and determination of the strange quark mass <b>1999</b> , 11, 599		89
392	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , <b>2016</b> , 6,	9.1	89
391	Status of VIRGO. <i>Classical and Quantum Gravity</i> , <b>2004</b> , 21, S385-S394	3.3	87
390	Search for the neutral Higgs boson from Z0 decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 236, 233-244	4.2	87
389	Directional limits on persistent gravitational waves using LIGO S5 science data. <i>Physical Review Letters</i> , <b>2011</b> , 107, 271102	7.4	85
388	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	84
387	Calibration and sensitivity of the Virgo detector during its second science run. <i>Classical and Quantum Gravity</i> , <b>2011</b> , 28, 025005	3.3	83
386	All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	81
385	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	81
384	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	80
383	The present status of the VIRGO Central Interferometer*. <i>Classical and Quantum Gravity</i> , <b>2002</b> , 19, 1421-1428	3.3	80
382	Search for supersymmetric particles using acoplanar charged-particle pairs from Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 236, 86-94	4.2	80
381	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> , <b>2010</b> , 715, 1453-1461	4.7	79
380	The status of VIRGO. <i>Classical and Quantum Gravity</i> , <b>2006</b> , 23, S63-S69	3.3	79
379	A guide to LIGO/Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , <b>2020</b> , 37, 055002	3.3	78
378	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 871, L13	7.9	77

377	Search for gravitational waves from binary black hole inspiral, merger, and ringdown. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	77
376	Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	76
375	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. <i>Astrophysical Journal</i> , <b>2011</b> , 737, 93	4.7	75
374	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 104002	3.3	74
373	Improved upper limits on the stochastic gravitational-wave background from 2009-2010 LIGO and Virgo data. <i>Physical Review Letters</i> , <b>2014</b> , 113, 231101	7.4	74
372	Search for a non-minimal Higgs boson produced in the reaction $\rightarrow$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 313, 312-325	4.2	74
371	A search for new quarks and leptons from Z0 decay at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 236, 511-522	4.2	73
370	An upper limit for the neutrino mass from $\nu > 5(\tau)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 349, 585-596	4.2	72
369	Searches for the standard Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 246, 306-314	4.2	72
368	Search for the neutral Higgs Boson from Z0 decay in the Higgs mass range between 11 and 24 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 241, 141-149	4.2	72
367	Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 539, A124	5.1	71
366	Measurement of the polarization of leptons produced in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 265, 430-444	4.2	70
365	Model comparison from LIGO/Virgo data on GW170817's binary components and consequences for the merger remnant. <i>Classical and Quantum Gravity</i> , <b>2020</b> , 37, 045006	3.3	69
364	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 541, A155	5.1	69
363	Measurement of the seismic attenuation performance of the VIRGO Superattenuator. <i>Astroparticle Physics</i> , <b>2005</b> , 23, 557-565	2.4	69
362	Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , <b>2019</b> , 123, 161102	7.4	68
361	Improved measurements of electroweak parameters from Z decays into fermion pairs. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 53, 1-20		67
360	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , <b>2017</b> , 118, 121102	7.4	65



359	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	64
358	Measurements of $ V_{cb} $ , form factors and branching fractions in the decays and. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 395, 373-387	4.2	63
357	Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGO's first observing run. <i>Classical and Quantum Gravity</i> , <b>2018</b> , 35, 065010	3.3	62
356	Measurement of the charged particle multiplicity distribution in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 273, 181-192	4.2	62
355	Properties of hadronic events in $e^+e^-$ annihilation at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 234, 209-218	4.2	62
354	All-sky search for periodic gravitational waves in the full S5 LIGO data. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	61
353	Search for neutral Higgs bosons from supersymmetry in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 237, 291-302	4.2	61
352	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 160	4.7	60
351	Constraints on cosmic strings using data from the first Advanced LIGO observing run. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	60
350	Measurement of the strong coupling constant using $\tau$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 307, 209-220	4.2	60
349	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , <b>2018</b> , 120, 201102	7.4	60
348	Constraints on cosmic strings from the LIGO-Virgo gravitational-wave detectors. <i>Physical Review Letters</i> , <b>2014</b> , 112, 131101	7.4	59
347	The characterization of Virgo data and its impact on gravitational-wave searches. <i>Classical and Quantum Gravity</i> , <b>2012</b> , 29, 155002	3.3	59
346	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , <b>2015</b> , 813, 39	4.7	58
345	Measurement of the branching ratio and an upper limit on. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 343, 444-452	4.2	58
344	Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	57
343	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. <i>Astrophysical Journal, Supplement Series</i> , <b>2012</b> , 203, 28	8	57
342	Production of orbitally excited charm mesons in semileptonic B decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1997</b> , 73, 601-612		57



341	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	54
340	All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	54
339	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	54
338	First all-sky search for continuous gravitational waves from unknown sources in binary systems. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	54
337	SEARCH FOR GRAVITATIONAL-WAVE BURSTS ASSOCIATED WITH GAMMA-RAY BURSTS USING DATA FROM LIGO SCIENCE RUN 5 AND VIRGO SCIENCE RUN 1. <i>Astrophysical Journal</i> , <b>2010</b> , 715, 1438-1452	4.7	54
336	Measurements of Superattenuator seismic isolation by Virgo interferometer. <i>Astroparticle Physics</i> , <b>2010</b> , 33, 182-189	2.4	54
335	Search for supersymmetric particles in $e^+e^-$ collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 373, 246-260	4.2	54
334	Measurement of $\Xi$ s in hadronic Z decays using all-orders resummed predictions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 284, 163-176	4.2	53
333	Status of Virgo. <i>Classical and Quantum Gravity</i> , <b>2005</b> , 22, S869-S880	3.3	52
332	Production of excited beauty states in $Z \rightarrow b\bar{b}$ decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 69, 393-404		52
331	Measurement of the strong coupling constant $\alpha_s$ from global event-shape variables of hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 255, 623-633	4.2	52
330	SUPPLEMENT: THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914 (2016, ApJL, 833, L1). <i>Astrophysical Journal, Supplement Series</i> , <b>2016</b> , 227, 14	8	52
329	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , <b>2014</b> , 211, 7	8	51
328	Status of Virgo detector. <i>Classical and Quantum Gravity</i> , <b>2007</b> , 24, S381-S388	3.3	51
327	First measurement of the quark-to-photon fragmentation function. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 69, 365-377		51
326	First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , <b>2018</b> , 120, 031104	7.4	50
325	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L40	7.9	50
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322	Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , <b>2018</b> , 121, 231103	7.4	49
321	Measurement of $\beta$ s from scaling violations in fragmentation functions in $e^+e^-$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 357, 487-499	4.2	48
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313	A study of $\bar{B}$ decays involving $\bar{D}$ and $\bar{D}_s$ mesons. <i>Zeitschrift Für Physik C-Particles and Fields</i> , <b>1997</b> , 74, 263-273		45
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310	Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	43
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306	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> , <b>2017</b> , 841, 89	4.7	42

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295	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	38
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284	Observation of the time dependence of mixing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 313, 498-508	4.2	36
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188	Update of electroweak parameters from Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 60, 71-81		19
187	Measurement of the b baryon lifetime and branching fractions in Z decays <b>1998</b> , 2, 197		19
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184	Search for the $B_c$ meson in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 402, 213-226	4.2	18
183	Searches for scalar top and scalar bottom quarks at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 413, 431-446	4.2	18
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168	A study of single and multi-photon production in $e^+e^-$ collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 384, 333-342	4.2	16
167	Charm counting in b decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 388, 648-658	4.2	16
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152	Measurement of the transfer function of the steering filter of the Virgo super attenuator suspension. <i>Review of Scientific Instruments</i> , <b>2001</b> , 72, 3635-3642	1.7	14
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148	A measurement of AFB $\Upsilon$ in lifetime tagged heavy flavour Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 335, 99-108	4.2	14
147	A precise measurement of the $\Upsilon$ lepton lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 297, 432-448	4.2	14
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144	Searches for the neutral Higgs bosons of the MSSM in $e^+e^-$ collisions at centre-of-mass energies of 181-184 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 440, 419-434	4.2	13

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141	Coincidence analysis between periodic source candidates in C6 and C7 Virgo data. <i>Classical and Quantum Gravity</i> , <b>2007</b> , 24, S491-S499	3.3	13
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125	The topology dependence of charged particle multiplicities in three-jet events. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1997</b> , 76, 191-199		11
124	Determination of $A_{FB}^b$ using jet charge measurements in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 426, 217-230	4.2	11
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108	A precise measurement of the average b hadron lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 369, 151-162	4.2	10



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92	The forward-backward asymmetry for charm quarks at the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 434, 415-425	4.2	8
91	Analysis of noise lines in the Virgo C7 data. <i>Classical and Quantum Gravity</i> , <b>2007</b> , 24, S433-S443	3.3	8
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