

# Raymond E Frey

## List of Publications by Year in descending order

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853  
papers

83,634  
citations

1040

113  
h-index

538

265  
g-index

859  
all docs

859  
docs citations

859  
times ranked

24028  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , 2016, 116, 061102.	2.9	8,753
2	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017, 119, 161101.	2.9	6,413
3	Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	3.0	2,805
4	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2016, 116, 241103.	2.9	2,701
5	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , 2017, 848, L13.	3.0	2,314
6	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , 2017, 118, 221101.	2.9	1,987
7	Advanced LIGO. <i>Classical and Quantum Gravity</i> , 2015, 32, 074001.	1.5	1,929
8	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2017, 119, 141101.	2.9	1,600
9	Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , 2016, 116, 221101.	2.9	1,224
10	Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , 2015, 32, 115012.	1.5	1,029
11	Precision electroweak measurements on the Z resonance. <i>Physics Reports</i> , 2006, 427, 257-454.	10.3	974
12	LIGO: the Laser Interferometer Gravitational-Wave Observatory. <i>Reports on Progress in Physics</i> , 2009, 72, 076901.	8.1	971
13	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017, 851, L35.	3.0	968
14	Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2010, 27, 173001.	1.5	956
15	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , 2016, 6, .	2.8	898
16	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , 2013, 7, 613-619.	15.6	825
17	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.	8.2	808
18	Experimental observation of isolated large transverse energy electrons with associated missing energy at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 122, 103-116.	1.5	747

#	ARTICLE	IF	CITATIONS
19	Exploring the sensitivity of next generation gravitational wave detectors. Classical and Quantum Gravity, 2017, 34, 044001. Evidence for an Excess of $B\hat{A}^{\pm}$ Decays	1.5	735
20	A gravitational-wave standard siren measurement of the Hubble constant. Nature, 2017, 551, 85-88.	13.7	674
21	Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102.	2.9	673
22	Observation of a Broad Structure in the $B\hat{A}^{\pm}$ Mass Spectrum around $4.26 \text{ GeV}/c^2$ . Physical Review Letters, 2005, 95, 142001.	2.9	650
23	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22.	3.0	633
24	Observation of a Narrow Meson State Decaying to $D_s$ at a Mass of $2.32 \text{ GeV}/c^2$ . Physical Review Letters, 2003, 90, 242001.	2.9	603
25	Experimental observation of lepton pairs of invariant mass around 95 GeV/c <sup>2</sup> at the CERN SPS collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 126, 398-410.	1.5	587
26	Precise Determination of Electroweak Parameters in Neutrino-Nucleon Scattering. Physical Review Letters, 2002, 88, 091802.	2.9	487
27	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103. Measurement of an excess of $B\hat{A}^{\pm}$ Decays	2.9	466
28	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	8.2	447
29	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	8.2	427
30	Observation of CP Violation in the $B$ Meson System. Physical Review Letters, 2001, 87, 091801. Searches for Lepton Flavor Violation in the Decays	2.9	426
31	Study of the $B\hat{A}^{\pm}$ decay and measurement of the $B\hat{A}^{\pm}$ branching fraction. Physical Review D, 2005, 71, .	1.6	375
32	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. Physical Review D, 2016, 93, .	1.6	315
33	An upper limit on the stochastic gravitational-wave background of cosmological origin. Nature, 2009, 460, 990-994.	13.7	303

#	ARTICLE	IF	CITATIONS
37	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	1.4	292
38	Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mi> \hat{I}^3 </mml:mi> < mml:msup> < mml:mi> \hat{I}^3 </mml:mi> < mml:mo> * </mml:mo> </mml:msup> < mml:mo> \hat{I}^2 </mml:mo> </mml:math \rangle$ form factor. Physical Review D, 2009, 80, .	2.9	247
39	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102.	2.9	269
40	Transverse momentum spectra for charged particles at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 118, 167-172.	1.5	263
41	Detector description and performance for the first coincidence observations between LIGO and GEO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 517, 154-179.	0.7	259
42	Measurement of the CP Asymmetry Amplitudes in $B \rightarrow \pi \pi$ with B Mesons. Physical Review Letters, 2002, 89, 201802.	2.9	247
43	Evidence of a Broad Structure at an Invariant Mass of $4.32 \pm 0.04 \text{ GeV}/c^2$ in the Reaction $e^+e^- \rightarrow \tau^+\tau^- \pi^0 \pi^0$ Measured at BABAR. Physical Review Letters, 2007, 98, 212001.	2.9	247
44	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. Astrophysical Journal Letters, 2016, 833, L1.	3.0	230
45	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	1.5	225
46	Precise Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:msup> < mml:mi> e </mml:mi> < mml:mo> + </mml:mo> </mml:msup> < mml:mi> e </mml:mi> < mml:mo> \hat{I}^3 </mml:mi> < mml:mo> \hat{I}^2 </mml:mo> </mml:math \rangle$ stretchy="false" > ( $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mo> < mml:mi> \hat{I}^3 </mml:mi> < mml:mo> \hat{I}^2 </mml:mo> </mml:math \rangle$ ) at BABAR. Physical Review Letters, 2009, 103, 231801.	2.9	247
47	Experimental observation of events with large missing transverse energy accompanied by a jet or a photon (S) in $p\bar{p}$ collisions at the CERN SPS collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 139, 115-125.	1.5	212
48	Precise measurement of dimuon production cross sections in $e^+e^- \rightarrow \mu^+\mu^- \gamma$ deep inelastic scattering at the Fermilab Tevatron. Physical Review D, 2001, 64, .	1.6	207
49	Study of $e^+e^- \rightarrow \tau^+\tau^- \pi^0$ using initial state radiation with BABAR. Physical Review D, 2006, 73, .	1.6	207
50	Evidence for $D^0 \rightarrow D^* \pi^0$ Mixing. Physical Review Letters, 2007, 98, 211802.	2.9	205
51	Associated production of an isolated, large-transverse-momentum lepton (electron or muon), and two jets at the CERN $p\bar{p}$ collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 147, 493-508.	1.5	197
52	Further evidence for charged intermediate vector bosons at the SPS collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 129, 273-282.	1.5	194
53	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, 121101.	2.9	194
54	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 851, L16.	3.0	189

#	ARTICLE	IF	CITATIONS
55	Search for oscillations at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 186, 247-254.	1.5	186
56	Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3. Physical Review D, 2012, 85, .	1.6	185
57	$\frac{3872}{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td} S$	2.9	173
58	Setting upper limits on the strength of periodic gravitational waves from PSRJ1939+2134 using the first science data from the GEO 600 and LIGO detectors. Physical Review D, 2004, 69, .	1.6	165
59	Measurements of $e^+e^- \rightarrow K^+K^-$ using the first science data from the GEO 600 and LIGO detectors. Physical Review D, 2008, 77, .	1.6	163
60	Observation of jets in high transverse energy events at the CERN proton antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 123, 115-122.	1.5	160
61	Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. Astrophysical Journal, 2008, 683, L45-L49.	1.6	160
62	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. Astrophysical Journal Letters, 2017, 850, L39.	3.0	156
63	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. Astrophysical Journal, 2010, 713, 671-685.	1.6	155
64	Search for Dimuon Decays of a Light Scalar Boson in Radiative Transitions $\Upsilon \rightarrow \mu^+ \mu^- A_0$ . Physical Review Letters, 2009, 103, 081803.	2.9	153
65	Evidence for the decay $\Upsilon \rightarrow \mu^+ \mu^- A_0$ . Physical Review D, 2010, 82, .	3.37	148
66	The BB detector: Upgrades, operation and performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 615-701.	0.7	148
67	Measurements of Z-boson resonance parameters in $e^+e^-$ annihilation. Physical Review Letters, 1989, 63, 2173-2176.	2.9	146
68	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STAR "BLACK HOLE MERGERS FROM ADVANCED LIGO'S FIRST OBSERVING RUN. Astrophysical Journal Letters, 2016, 832, L21.	3.0	146
69	Analysis of LIGO data for gravitational waves from binary neutron stars. Physical Review D, 2004, 69, .	1.6	145
70	Precise measurement of the $\Upsilon \rightarrow \mu^+ \mu^- A_0$ decay. Physical Review D, 2010, 82, .		



#	ARTICLE	IF	CITATIONS
91	Search for Lepton Flavor Violation in the Decay $B \rightarrow \tau \nu \mu \nu$ . Physical Review Letters, 2005, 95, 041802.	2.9	124
92	Observation of a kilogram-scale oscillator near its quantum ground state. New Journal of Physics, 2009, 11, 073032.	1.2	123
93	Measurements of Branching Fractions and CP-Violating Asymmetries in $B \rightarrow \tau \nu \mu \nu$ , $K \rightarrow \tau \nu \mu \nu$ , $K \rightarrow \tau \nu \mu \nu$ Decays. Physical Review Letters, 2002, 89, 281802.	2.9	122
94	Rates, Polarizations, and Asymmetries in Charmless Vector-Vector Meson Decays. Physical Review Letters, 2003, 91, 171802.	2.9	122
95	Search for the $Z \rightarrow \tau \nu \mu \nu$ decay. Physical Review Letters, 2005, 95, 041802.	1.6	122
96	Observation of new resonances decaying to $D \tau \nu \mu \nu$ and $D \tau \nu \mu \nu$ . Physical Review Letters, 2005, 95, 041802.	1.6	122
97	Study of $B \rightarrow \tau \nu \mu \nu$ and $B \rightarrow \tau \nu \mu \nu$ decays via initial-state radiation at BABAR. Physical Review D, 2013, 87, .	1.6	122
98	Upper limits on gravitational wave emission from 78 radio pulsars. Physical Review D, 2007, 76, .	1.6	121
99	Events with large missing transverse energy at the CERN collider: III. Mass limits on supersymmetric particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 198, 261-270.	1.5	120
100	Searching for a Stochastic Background of Gravitational Waves with the Laser Interferometer Gravitational-Wave Observatory. Astrophysical Journal, 2007, 659, 918-930.	1.6	120
101	Search for gravitational waves from low mass binary coalescences in the first year of LIGO's S5 data. Physical Review D, 2009, 79, .	1.6	120
102	Calibration of the LIGO gravitational wave detectors in the fifth science run. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 624, 223-240.	0.7	120
103	$e^+e^- \rightarrow \tau^+ \tau^- \nu \nu$ , $K \rightarrow \tau \nu \mu \nu$ , and $K \rightarrow \tau \nu \mu \nu$ cross sections at center-of-mass energies 0.5-4.5 GeV measured with initial-state radiation. Physical Review D, 2005, 71, .	1.6	119
104	Observing gravitational-wave transient GW150914 with minimal assumptions. Physical Review D, 2016, 93, .	1.6	119
105	Beauty production at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 186, 237-246.	1.5	118
106	Observation of Time-Reversal Violation in the $B \rightarrow \tau \nu \mu \nu$ Meson System. Physical Review Letters, 2012, 109, 211801.	2.9	118
107	Study of resonances in exclusive $B \rightarrow \tau \nu \mu \nu$ decays. Physical Review D, 2007, .	1.6	117
108	Observation of Time-Reversal Violation in the $B \rightarrow \tau \nu \mu \nu$ Meson System. Physical Review Letters, 2012, 109, 211801.	1.6	116



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109	Hadronic jet production at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 132, 214-222.	1.5	115
110	Multihadronic events at $\sqrt{s} = 29$ GeV and predictions of QCD models from $\sqrt{s} = 29$ GeV to $\sqrt{s} = 93$ GeV. Physical Review D, 1988, 37, 1-27.	1.6	114
111	Observation of a Charmed Baryon Decaying to $D^0 p$ at a Mass Near $2.94 \pm 0.01$ GeV/c <sup>2</sup> . Physical Review Letters, 2007, 98, 012001.	2.9	114
112	Search for $B \rightarrow X(3872) K^+, X(3872) \hat{\pi}^+ \hat{\pi}^0$ . Physical Review D, 2006, 74, .	1.6	113
113	Measurement of branching fractions and rate asymmetries in the rare decays $B \rightarrow K^* \ell^+ \ell^-$ and invisible decays $B \rightarrow K^* \nu \bar{\nu}$ . Physical Review D, 2012, 86, .	1.6	113
114	Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. Physical Review D, 2010, 82, .	1.6	113
115	Angular distributions and structure functions from two-jet events at the CERN SPS collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 136, 294-300.	1.5	110
116	Precise Measurement of the Left-Right Cross Section Asymmetry in Z Boson Production by $e^+e^-$ Collisions. Physical Review Letters, 1994, 73, 25-29.	2.9	110
117	All-sky search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2008, 77, .	1.6	110
118	Search for gravitational waves from galactic and extra-galactic binary neutron stars. Physical Review D, 2005, 72, .	1.6	109
119	First upper limits from LIGO on gravitational wave bursts. Physical Review D, 2004, 69, .	1.6	108
120	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. Physical Review D, 2010, 81, .	1.6	107
121	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. Physical Review D, 2012, 85, .	1.6	107
122	Design and performance of the SLD vertex detector: a 307 Mpixel tracking system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 400, 287-343.	0.7	106
123	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. Physical Review X, 2016, 6, .	2.8	106
124	Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGO's fifth science run. Physical Review D, 2009, 80, .	1.6	105
125	Measurement of the Nucleon Strange-Antistrange Asymmetry at Next-to-Leading Order in QCD from NuTeV Dimuon Data. Physical Review Letters, 2007, 99, 192001.	2.9	104



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127	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. <i>Astrophysical Journal</i> , 2010, 722, 1504-1513.	1.6	104
128	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> , 2012, 760, 12.	1.6	104
129	Identification and mitigation of narrow spectral artifacts that degrade searches for persistent gravitational waves in the first two observing runs of Advanced LIGO. <i>Physical Review D</i> , 2018, 97, .	1.6	104
130	Observation of an Excited Charm Baryon $\Lambda_c^* \rightarrow \Lambda_c \gamma$ . <i>Physical Review Letters</i> , 2006, 97, 232001.	2.9	102
131	Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. <i>Physical Review D</i> , 2016, 94, .	1.6	102
132	Measurements of $F_2$ and $F_3$ from CCFR $^{1/2}Fe$ and $^{1/2}Fe$ Data in a Physics Model-Independent Way. <i>Physical Review Letters</i> , 2001, 86, 2742-2745.	2.9	101
133	$e^+e^- \rightarrow e^+e^- \gamma$ Measurement of the $\alpha$ . <i>Physical Review D</i> , 2007, 76, .	1.6	100
134	$e^+e^- \rightarrow e^+e^- \gamma^* \rightarrow e^+e^- \mu^+\mu^-$ Measurement of the form factors. <i>Physical Review D</i> , 2011, 84, .	1.6	100
135	Studies of intermediate vector boson production and decay in UA1 at the CERN proton-antiproton collider. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1989, 44, 15-61.	1.5	99
136	Production of $\epsilon, K^+, K^0, \pi^+, \pi^0$ in hadronic $Z^0$ decays. <i>Physical Review D</i> , 1999, 59, .	1.6	99
137	Search for Lepton Flavor Violation in the Decay $\tilde{\nu}_\tau \rightarrow \nu_\tau e^+ e^-$ . <i>Physical Review Letters</i> , 2006, 96, 041801.	2.9	98
138	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017, 34, 104002.	1.5	98
139	Time-integrated luminosity recorded by the BABAR detector at the PEP-II collider. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, and Detectors</i> , 2000, 477, 1-10.	1.7	97
140	Analysis of first LIGO science data for stochastic gravitational waves. <i>Physical Review D</i> , 2004, 69, .	1.6	96
141	Study of $D_s$ decays to $D^* K$ in inclusive $e^+e^-$ interactions. <i>Physical Review D</i> , 2009, 80, .	1.6	96
142	Improved Measurement of CP Asymmetries in $B^0 \rightarrow \pi^+ \pi^- K^0$ Decays. <i>Physical Review Letters</i> , 2005, 94, 161803.	2.9	95
143	Measurement of the inclusive jet cross section at the CERN p collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 172, 461-466.	1.5	94
144	Measurement of time-dependent $C$ asymmetry in $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Physical Review D</i> , 2004, 69, .	1.6	94



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163	Study of the exclusive initial-state-radiation production of the $D^0$ system. Physical Review D, 2007, 76, .	1.6	84
164	Study of the reaction $e^+e^- \rightarrow D^0 D^{*0}$ at $\sqrt{s} = 10.58$ GeV. Physical Review D, 2012, 86, .	1.6	84
165	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, 121102.	2.9	84
166	Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. Astronomy and Astrophysics, 2012, 539, A124.	2.1	84
167	Measurements of the Mass and Width of the $D^0$ Meson and of an $c(2S)$ Candidate. Physical Review Letters, 2004, 92, 142002.	2.9	83
168	All-Sky LIGO Search for Periodic Gravitational Waves in the Early Fifth-Science-Run Data. Physical Review Letters, 2009, 102, 111102.	2.9	83
169	Einstein@Home search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2009, 79, .	1.6	83
170	Exclusive initial-state-radiation production of the $D^0 D^{*0}$ , $D^0 D^{*0}$ , and $D^0 D^{*0}$ systems. Physical Review D, 2009, 79, .	1.6	83
171	Recent results on intermediate vector boson properties at the CERN super proton synchrotron collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 166, 484-490.	1.5	81
172	Evidence for the $B(1S)$ Meson in Radiative $B(2S)$ Decay. Physical Review Letters, 2009, 103, 161801.	2.9	81
173	Observation of a narrow meson decaying to $D_s^+ \pi^0$ at a mass of $2.458 \text{ GeV}/c^2$ . Physical Review D, 2004, 69, .	1.6	80
174	Search for a charged partner of the $X(3872)$ in the $B$ meson decay $B^0 \rightarrow X^+ K^0, X^+ \pi^0, X^+ \eta, X^+ \eta'$ . Physical Review D, 2005, 71, .	1.6	80
175	Measurement of $D^0$ Mixing Parameters Using $D^0 \rightarrow K^0 \pi^+ \pi^-$ and $D^0 \rightarrow K^0 K^+ K^-$ Decays. Physical Review Letters, 2010, 105, 081803.	2.9	80
176	Measurement of Collins asymmetries in inclusive production of charged pion pairs in $e^+e^- \rightarrow D^0 D^{*0}$ at $\sqrt{s} = 10.58$ GeV. Physical Review D, 2014, 90, .	1.6	80
177	Measurement of the $b$ -quark fragmentation function in $Z^0$ decays. Physical Review D, 2002, 65, .	1.6	79
178	Search for gravitational waves from primordial black hole binary coalescences in the galactic halo. Physical Review D, 2005, 72, .	1.6	79
179	Measurement of the Cabibbo-Kobayashi-Maskawa Angle $\beta$ in $B^0 \rightarrow D^{*0} K^0$ Decays with a Dalitz Analysis of $D^0 \rightarrow K^0 \pi^+ \pi^-$ . Physical Review Letters, 2005, 95, 121802.	2.9	79
180	Search for gravitational-wave bursts in the first year of the fifth LIGO science run. Physical Review D, 2009, 80, .	1.6	79

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181	Search for gravitational-wave bursts in LIGO data from the fourth science run. Classical and Quantum Gravity, 2007, 24, 5343-5369. Study of excited charm-strange baryons with evidence for new baryons	1.5	78
182	Measurement of the CKM angle $\beta$ from $B \rightarrow \pi^0 \pi^0$ decays with no sign ambiguity from strong phases. Physical Review D, 2005, 71, .	1.6	77
183	Einstein@Home search for periodic gravitational waves in early S5 LIGO data. Physical Review D, 2009, 80, .	1.6	78
184	Precision Measurement of the CKM angle $\beta$ from $B \rightarrow \pi^0 \pi^0$ decays with no sign ambiguity from strong phases. Physical Review D, 2005, 71, .	2.9	78
185	Measurement of the CKM angle $\beta$ from $B \rightarrow \pi^0 \pi^0$ decays with no sign ambiguity from strong phases. Physical Review D, 2005, 71, .	2.9	78
186	Time-integrated and time-dependent angular analyses of $B \rightarrow \pi^0 \pi^0$ decays with no sign ambiguity from strong phases. Physical Review D, 2005, 71, .	1.6	77
187	Improving astrophysical parameter estimation via offline noise subtraction for Advanced LIGO. Physical Review D, 2019, 99, .	1.6	77
188	Study of the reaction $B \rightarrow \pi^0 \pi^0$ decays with no sign ambiguity from strong phases. Physical Review D, 2005, 71, .	1.6	77
189	Review D, 2014, 89, .	1.6	77
190	Improving astrophysical parameter estimation via offline noise subtraction for Advanced LIGO. Physical Review D, 2019, 99, .	1.6	77
191	Events with large missing transverse energy at the cern collider: II. search for the decays of $W \rightarrow \mu \nu$ into heavy leptons and of $Z$ into non-interacting particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 185, 241-248.	1.5	75
192	Measurements of $R_b$ with impact parameters and displaced vertices. Physical Review D, 1996, 53, 1023-1038.	1.6	75
193	High-Precision Measurement of the Left-Right Z Boson Cross-Section Asymmetry. Physical Review Letters, 2000, 84, 5945-5949.	2.9	75
194	First all-sky upper limits from LIGO on the strength of periodic gravitational waves using the Hough transform. Physical Review D, 2005, 72, .	1.6	75
195	Search for gravitational waves from binary black hole inspirals in LIGO data. Physical Review D, 2006, 73, .	1.6	75
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817	Performance of the new vertex detector at SLD. IEEE Transactions on Nuclear Science, 1997, 44, 587-591.	1.2	3
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