

Antoine Heidmann

List of Publications by Year in descending order

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185
papers

23,112
citations

25034

57
h-index

10445

139
g-index

188
all docs

188
docs citations

188
times ranked

12582
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , 2016, 116, 061102.	7.8	8,753
2	Advanced Virgo: a second-generation interferometric gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2015, 32, 024001.	4.0	2,530
3	Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , 2015, 32, 115012.	4.0	1,029
4	Radiation-pressure cooling and optomechanical instability of a micromirror. <i>Nature</i> , 2006, 444, 71-74.	27.8	842
5	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.	26.7	808
6	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016, 818, L22.	8.3	633
7	Observation of Quantum Noise Reduction on Twin Laser Beams. <i>Physical Review Letters</i> , 1987, 59, 2555-2557.	7.8	562
8	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3.	26.7	447
9	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016, 19, 1.	26.7	427
10	Cooling of a Mirror by Radiation Pressure. <i>Physical Review Letters</i> , 1999, 83, 3174-3177.	7.8	419
11	Quantum-noise reduction using a cavity with a movable mirror. <i>Physical Review A</i> , 1994, 49, 1337-1343.	2.5	293
12	Virgo: a laser interferometer to detect gravitational waves. <i>Journal of Instrumentation</i> , 2012, 7, P03012-P03012.	1.2	257
13	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. <i>Physical Review Letters</i> , 2019, 123, 231108.	7.8	254
14	High-Sensitivity Optical Monitoring of a Micromechanical Resonator with a Quantum-Limited Optomechanical Sensor. <i>Physical Review Letters</i> , 2006, 97, 133601.	7.8	198
15	Entangling movable mirrors in a double-cavity system. <i>Europhysics Letters</i> , 2005, 72, 747-753.	2.0	191
16	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> , 2012, 85, .	4.7	185
17	Status of the Virgo project. <i>Classical and Quantum Gravity</i> , 2011, 28, 114002.	4.0	171
18	Cooling Atoms with Stimulated Emission. <i>Physical Review Letters</i> , 1986, 57, 1688-1691.	7.8	167

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19	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , 2019, 871, L13.	8.3	145
20	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 909, 218.	4.5	144
21	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. <i>Physical Review D</i> , 2013, 88, .	4.7	132
22	Noise characteristics of a non-degenerate Optical Parametric Oscillator - Application to quantum noise reduction. <i>Journal De Physique</i> , 1989, 50, 1209-1225.	1.8	131
23	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014, 785, 119.	4.5	125
24	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. <i>Physical Review D</i> , 2012, 85, .	4.7	107
25	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.	4.5	104
26	Improvements in the observed intensity correlation of optical parametric oscillator twin beams. <i>Optics Letters</i> , 1991, 16, 1234.	3.3	101
27	Observation of high-intensity sub-Poissonian light using an optical parametric oscillator. <i>Physical Review Letters</i> , 1990, 64, 2897-2900.	7.8	96
28	Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009â€“2010. <i>Physical Review D</i> , 2013, 87, .	4.7	92
29	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. <i>Physical Review D</i> , 2013, 87, .	4.7	91
30	Backaction Amplification and Quantum Limits in Optomechanical Measurements. <i>Physical Review Letters</i> , 2010, 104, 133602.	7.8	88
31	Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009â€“2010 LIGO and Virgo Data. <i>Physical Review Letters</i> , 2014, 113, 231101.	7.8	86
32	Thermoelastic effects at low temperatures and quantum limits in displacement measurements. <i>Physical Review D</i> , 2001, 63, .	4.7	85
33	A semiclassical linear input output transformation for quantum fluctuations. <i>Optics Communications</i> , 1989, 71, 209-214.	2.1	84
34	Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , 2012, 539, A124.	5.1	84
35	Quantum limits of cold damping with optomechanical coupling. <i>European Physical Journal D</i> , 2001, 17, 399-408.	1.3	81
36	High-sensitivity optical measurement of mechanical Brownian motion. <i>Europhysics Letters</i> , 1999, 47, 545-551.	2.0	80

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37	Beating quantum limits in an optomechanical sensor by cavity detuning. <i>Physical Review A</i> , 2006, 73, .	2.5	75
38	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , 2012, 541, A155.	5.1	75
39	Squeezing in detuned degenerate optical parametric oscillators. <i>Journal of the European Optical Society Part B: Quantum Optics</i> , 1990, 2, 159-187.	1.2	74
40	The characterization of Virgo data and its impact on gravitational-wave searches. <i>Classical and Quantum Gravity</i> , 2012, 29, 155002.	4.0	73
41	Observation of Photon Antibunching in Phase-Matched Multiatom Resonance Fluorescence. <i>Physical Review Letters</i> , 1986, 57, 687-690.	7.8	72
42	High-finesse Fabry-Pérot cavities with bidimensional Si ₃ N ₄ photonic-crystal slabs. <i>Light: Science and Applications</i> , 2017, 6, e16190-e16190.	16.6	72
43	Quantum nondemolition measurement by optomechanical coupling. <i>Applied Physics B: Lasers and Optics</i> , 1997, 64, 173-180.	2.2	69
44	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	2.4	69
45	Photon noise reduction by passive optical bistable systems. <i>Physical Review A</i> , 1989, 40, 1440-1446.	2.5	68
46	Observation of large quantum noise reduction using an optical parametric oscillator. <i>Journal of the European Optical Society Part B: Quantum Optics</i> , 1989, 1, 3-9.	1.2	68
47	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2014, 112, 131101.	7.8	68
48	Full mechanical characterization of a cold damped mirror. <i>Physical Review A</i> , 2000, 63, .	2.5	66
49	All-sky search for periodic gravitational waves in the full S5 LIGO data. <i>Physical Review D</i> , 2012, 85, .	4.7	66
50	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015, 813, 39.	4.5	66
51	Scheme to Probe Optomechanical Correlations between Two Optical Beams Down to the Quantum Level. <i>Physical Review Letters</i> , 2009, 102, 103601.	7.8	65
52	Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , 2013, 88, .	4.7	65
53	Observation of Back-Action Noise Cancellation in Interferometric and Weak Force Measurements. <i>Physical Review Letters</i> , 2007, 99, 110801.	7.8	64
54	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 28.	7.7	62

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55	Quantum Locking of Mirrors in Interferometers. <i>Physical Review Letters</i> , 2003, 90, 083601.	7.8	60
56	First all-sky search for continuous gravitational waves from unknown sources in binary systems. <i>Physical Review D</i> , 2014, 90, .	4.7	60
57	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 7.	7.7	57
58	Squeezing in a Rydberg Atom Maser. <i>Physical Review Letters</i> , 1985, 54, 326-328.	7.8	52
59	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017, 841, 89.	4.5	52
60	Thermal and back-action noises in dual-sphere gravitational-wave detectors. <i>Physical Review D</i> , 2003, 67, .	4.7	49
61	Search for gravitational waves from intermediate mass binary black holes. <i>Physical Review D</i> , 2012, 85, .	4.7	48
62	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. <i>Physical Review D</i> , 2015, 91, .	4.7	47
63	Squeezing in the many atom resonance fluorescence emitted in the forward direction : application to photon noise reduction. <i>Journal De Physique</i> , 1985, 46, 1937-1948.	1.8	46
64	Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600â€“1000ÅHz. <i>Physical Review D</i> , 2012, 85, .	4.7	43
65	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. <i>Classical and Quantum Gravity</i> , 2014, 31, 115004.	4.0	42
66	Optical phase-space reconstruction of mirror motion at the attometer level. <i>European Physical Journal D</i> , 2003, 22, 131-140.	1.3	41
67	Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$. <i>Physical Review D</i> , 2015, 91, .	4.0	41
68	Quantum Fluctuations in Optical Systems. <i>Progress in Optics</i> , 1992, 30, 1-85.	0.6	40
69	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. <i>Physical Review D</i> , 2015, 91, .	4.7	39
70	Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. <i>Physical Review D</i> , 2015, 91, .	4.7	37
71	Generation of sub-Poissonian light using active control with twin beams. <i>Physical Review A</i> , 1991, 44, 3229-3238.	2.5	35
72	Deformable two-dimensional photonic crystal slab for cavity optomechanics. <i>Optics Letters</i> , 2011, 36, 3434.	3.3	35

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73	Search for gravitational radiation from intermediate mass black hole binaries in data from the second LIGO-Virgo joint science run. <i>Physical Review D</i> , 2014, 89, .	4.7	35
74	Quantum Backaction on Kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. <i>Physical Review Letters</i> , 2020, 125, 131101.	7.8	35
75	Implementation of an F -statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. <i>Classical and Quantum Gravity</i> , 2014, 31, 165014.	4.0	34
76	1/N expansion of the statistical properties of the N Rydberg atoms maser: Application to squeezing. <i>Optics Communications</i> , 1985, 54, 189-194.	2.1	33
77	A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 008-008.	5.4	32
78	Search for Gravitational Waves Associated with γ -ray Bursts Detected by the Interplanetary Network. <i>Physical Review Letters</i> , 2014, 113, 011102.	7.8	32
79	First low frequency all-sky search for continuous gravitational wave signals. <i>Physical Review D</i> , 2016, 93, .	4.7	32
80	Nonlinear mechanics with suspended nanomembranes. <i>Europhysics Letters</i> , 2012, 100, 68005.	2.0	31
81	Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. <i>Physical Review D</i> , 2013, 88, .	4.7	31
82	Optomechanical characterization of acoustic modes in a mirror. <i>Physical Review A</i> , 2003, 68, .	2.5	30
83	Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube. <i>Physical Review D</i> , 2014, 90, .	4.7	29
84	Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO 600, LIGO, and Virgo detectors. <i>Physical Review D</i> , 2014, 89, .	4.7	29
85	All-sky search for long-duration gravitational wave transients with initial LIGO. <i>Physical Review D</i> , 2016, 93, .	4.7	29
86	Quantum correlated twin beams. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1992, 55, 250-257.	1.5	28
87	Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005–2010. <i>Physical Review D</i> , 2014, 89, .	4.7	28
88	Sub-shot-noise measurements using the beat note between quantum-correlated photon beams. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1990, 7, 2132.	2.1	27
89	The Advanced Virgo detector. <i>Journal of Physics: Conference Series</i> , 2015, 610, 012014.	0.4	27
90	Photon noise reduction and coherence properties of squeezed fields. <i>Optics Communications</i> , 1984, 52, 235-240.	2.1	25

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91	Quantum-nondemolition measurement of light by a piezoelectric crystal. <i>Physical Review A</i> , 1995, 51, 2443-2449.	2.5	24
92	A micropillar for cavity optomechanics. <i>Applied Physics Letters</i> , 2011, 99, 121103.	3.3	23
93	Generation of squeezed states of light: A critical discussion. <i>Optics Communications</i> , 1984, 50, 271-274.	2.1	22
94	2D photonic-crystal optomechanical nanoresonator. <i>Optics Letters</i> , 2015, 40, 174.	3.3	22
95	Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run. <i>Classical and Quantum Gravity</i> , 2014, 31, 085014.	4.0	21
96	AIGO: a southern hemisphere detector for the worldwide array of ground-based interferometric gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2010, 27, 084005.	4.0	20
97	Calibration of advanced Virgo and reconstruction of the detector strain $h(t)$ during the observing run O3. <i>Classical and Quantum Gravity</i> , 2022, 39, 045006.	4.0	20
98	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	6.6	20
99	Observation of three-mode parametric instability. <i>Physical Review A</i> , 2015, 91, .	2.5	19
100	Experimental optomechanics with silicon micromirrors. <i>New Journal of Physics</i> , 2008, 10, 125021.	2.9	17
101	Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. <i>Physical Review D</i> , 2016, 93, .	4.7	17
102	Squeezing and Antibunching in Phase-matched Many-atom Resonance Fluorescence. <i>Journal of Modern Optics</i> , 1987, 34, 923-940.	1.3	15
103	Back-action cancellation in interferometers by quantum locking. <i>Europhysics Letters</i> , 2003, 63, 226-232.	2.0	15
104	Photon noise reduction by reflection from a movable mirror. <i>Physical Review A</i> , 1994, 50, 4237-4243.	2.5	14
105	Free-space cavity optomechanics in a cryogenic environment. <i>Applied Physics Letters</i> , 2014, 104, 044102.	3.3	13
106	Photon noise reduction by controlled deletion techniques. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1993, 10, 745.	2.1	12
107	The NoEMi (Noise Frequency Event Miner) framework. <i>Journal of Physics: Conference Series</i> , 2012, 363, 012037.	0.4	12
108	Towards the experimental demonstration of quantum radiation pressure noise. <i>Comptes Rendus Physique</i> , 2011, 12, 826-836.	0.9	11

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109	Central heating radius of curvature correction (CHRoCC) for use in large scale gravitational wave interferometers. <i>Classical and Quantum Gravity</i> , 2013, 30, 055017.	4.0	11
110	Reconstruction of the gravitational wave signal $h(t)$ during the Virgo science runs and independent validation with a photon calibrator. <i>Classical and Quantum Gravity</i> , 2014, 31, 165013.	4.0	10
111	Probing a Two-Level System Bath via the Frequency Shift of an Off-Resonantly Driven Cavity. <i>Physical Review Applied</i> , 2020, 13, .	3.8	10
112	Status of Advanced Virgo. <i>EPJ Web of Conferences</i> , 2018, 182, 02003.	0.3	9
113	Advanced Virgo Status. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012010.	0.4	9
114	Experimental investigation of dynamic photo-thermal effect. <i>Classical and Quantum Gravity</i> , 2006, 23, S259-S266.	4.0	8
115	A state observer for the Virgo inverted pendulum. <i>Review of Scientific Instruments</i> , 2011, 82, 094502.	1.3	8
116	Correlations in single photon amplification : stimulated versus spontaneous processes. <i>Journal De Physique</i> , 1984, 45, 873-883.	1.8	8
117	Beating quantum limits in interferometers with quantum locking of mirrors. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, S684-S690.	1.4	7
118	Optical monitoring and cooling of a micro-mechanical oscillator to the quantum limit (Invited Paper). , 2005, 5846, 124.		7
119	Status of the Advanced Virgo gravitational wave detector. <i>International Journal of Modern Physics A</i> , 2017, 32, 1744003.	1.5	6
120	Atomic Motion in a Laser Standing Wave. <i>Springer Series in Optical Sciences</i> , 1987, , 81-86.	0.7	6
121	Characterization of the Virgo seismic environment. <i>Classical and Quantum Gravity</i> , 2012, 29, 025005.	4.0	5
122	A new method of probing mechanical losses of coatings at cryogenic temperatures. <i>Review of Scientific Instruments</i> , 2016, 87, 123906.	1.3	5
123	Mechanisms for intensity-noise reduction by photon control. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1993, 10, 1637.	2.1	4
124	Ultrasensitive optical measurement of thermal and quantum noises. <i>Optics and Spectroscopy (English)</i> Tj ETQq0 0 0 r gBT /Overlock 10	0.6	4
125	A micromechanical resonator to reach the quantum regime. , 2010, , .		4
126	A micro-resonator for fundamental physics experiments and its possible interest for time and frequency applications. , 2011, , .		4

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127	Fundamental Frontiers of Quantum Science and Technology. Procedia Computer Science, 2011, 7, 77-80.	2.0	4
128	Edge mode engineering for optimal ultracoherent silicon nitride membranes. Applied Physics Letters, 2020, 117, .	3.3	4
129	A wideband and sensitive GW detector for kHz frequencies: the dual sphere. Classical and Quantum Gravity, 2002, 19, 2013-2019.	4.0	3
130	Can photon noise be reduced ?. Annales De Physique, 1985, 10, 227-239.	0.2	3
131	Thermal noise of a plano-convex mirror. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 263, 27-32.	2.1	2
132	<title>Optical monitoring and cooling of a micro-mechanical oscillator to the quantum limit</title>. , 2005, , .		2
133	Noise monitor tools and their application to Virgo data. Journal of Physics: Conference Series, 2012, 363, 012024.	0.4	2
134	Quartz resonators at cryogenic temperatures: Noise and quality factor. , 2013, , .		2
135	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
136	Generation of non classical states of light by phase conjugation and parametric conversion. Hyperfine Interactions, 1987, 37, 109-124.	0.5	1
137	High-sensitivity measurement and control of thermal noise in a cavity. AIP Conference Proceedings, 2000, , .	0.4	1
138	Quantum locking of mirrors in interferometric measurements. Classical and Quantum Gravity, 2004, 21, S1053-S1058.	4.0	1
139	Ultra-sensitive measurement of thermal and quantum noises. Journal of Physics: Conference Series, 2006, 32, 288-293.	0.4	1
140	Radiation-pressure effects upon a micromirror in a high-finesse optical cavity. Proceedings of SPIE, 2008, , .	0.8	1
141	A scheme to probe optomechanical correlations between two optical beams down to the quantum level. , 2009, , .		1
142	Quantum optomechanical correlations induced by radiation pressure between light and mirrors. Proceedings of SPIE, 2009, , .	0.8	1
143	Status of the commissioning of the Virgo interferometer. , 2012, , .		1
144	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1.		1

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145	Quantum optics with micromirrors. Annales De Physique, 2007, 32, 33-38.	0.2	1
146	Optomechanical coupling in high-finesse cavities: towards the observation of quantum effects. Annales De Physique, 2007, 32, 167-169.	0.2	1
147	Atomic and Field Fluctuations in Rydberg Masers: A Potential Source of Squeezed Radiation. Springer Series in Optical Sciences, 1985, , 62-66.	0.7	1
148	A Semi-Classical Linear Input Output Transformation for Quantum Fluctuations. , 1990, , 993-997.		1
149	Quantum Noise Eaters. , 1995, , 455-461.		1
150	Atomic motion in a resonant laser standing wave. Lecture Notes in Physics, 1987, , 196-210.	0.7	0
151	Electronic control of quantum fluctuations. , 1992, , .		0
152	Quantum locking of mirrors in interferometric measurements. , 2003, , .		0
153	Observation of mirror motion and thermal noise squeezing at the attometer level. , 2003, , .		0
154	Radiation-Pressure Effects upon a Micro-Mirror in a High-Finesse Optical Cavity. , 2007, , .		0
155	Quantum optics with a mechanical microresonator. , 2007, , .		0
156	Radiation-pressure effects and back-action cancellation in interferometric measurements. , 2007, , .		0
157	Observation of radiation-pressure effects and back-action cancellation in interferometric measurements. , 2008, , .		0
158	Experimental Optomechanics with Silicon Micro-Mirrors. , 2009, , .		0
159	Optomechanical correlations and signal self-amplification in interferometric measurements. Journal of Physics: Conference Series, 2010, 228, 012024.	0.4	0
160	Optomechanics with photonic crystals slab mirrors and cavities. , 2013, , .		0
161	Cavity optomechanics with photonic crystal nanomembrane. , 2013, , .		0
162	Fabry-perot cavity optomechanics with ultrahigh mechanical-Q-factor quartz micropillars at cryogenic temperature. , 2013, , .		0

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163	Towards observation of quantum optomechanical correlations. , 2013, , .		0
164	Cavity optomechanics with a nonlinear photonic-crystal nanomembrane. , 2014, , .		0
165	A micropillar for cavity optomechanics. , 2014, , .		0
166	Bruit thermique et effets quantiques dans une cavit� optique de grande finesse. European Physical Journal Special Topics, 2000, 10, Pr8-19.	0.2	0
167	Amplification param�trique et compression du bruit thermique d'un miroir mobile. European Physical Journal Special Topics, 2002, 12, 151-152.	0.2	0
168	Bruit thermique et effets quantiques dans une cavit� optique de grande finesse. European Physical Journal Special Topics, 2006, 135, 111-112.	0.2	0
169	Observation of radiation-pressure effects and back-action cancellation in interferometric measurements. , 2007, , .		0
170	Toward Quantum Optics Experiments with Silicon Micro-Mechanical Oscillators. , 2007, , .		0
171	Radiation-Pressure Effects upon a Micro-Mirror in a High-Finesse Optical Cavity. , 2007, , .		0
172	Experimental optomechanics with single and twin moving mirrors. , 2008, , .		0
173	Radiation-Pressure Effects upon a Micro-Mirror in a High-Finesse Optical Cavity. , 2008, , .		0
174	Probing Optomechanical Correlations between Two Optical Beams down to the Quantum Level. , 2009, , .		0
175	Optomechanical correlations between light and mirrors. , 2009, , .		0
176	Towards observation of quantum optomechanical correlations. , 2013, , .		0
177	Optomechanics with photonic crystals slab mirrors and cavities. , 2014, , .		0
178	Squeezing, Bistability and Instability in the Optical Parametric Oscillator. Springer Proceedings in Physics, 1989, , 13-22.	0.2	0
179	Squeezed Light: Progress and Perspectives. , 1989, , 180-183.		0
180	Progress and Perspectives in Squeezing. NATO ASI Series Series B: Physics, 1992, , 183-191.	0.2	0

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181	Semi-Classical Input-Output Linearization Techniques for Quantum Fluctuations and Beyond. NATO ASI Series Series B: Physics, 1992, , 211-220.	0.2	0
182	Towards quantum effects with a $\hat{1}/4g$ -scale mechanical oscillator. , 2016, , .		0
183	Cooling a Macroscopic Mechanical Oscillator close to its Quantum Ground State. , 2017, , .		0
184	Advanced Virgo Status. , 2017, , .		0
185	Twin photons and squeezed light. , 1991, , 276-284.		0