

# 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  
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188  
docs citations

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times ranked

12582  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	Advanced Virgo Status. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012010.	0.4	9
8	Edge mode engineering for optimal ultracoherent silicon nitride membranes. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	4
9	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
10	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
11	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
12	Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$ during the observing run O3. <i>Classical and Quantum Gravity</i> , 2022, 39, 045006.	4.0	20
13	Status of Advanced Virgo. <i>EPJ Web of Conferences</i> , 2018, 182, 02003.	0.3	9
14	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
15	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	2.4	69
16	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
17	Status of the Advanced Virgo gravitational wave detector. <i>International Journal of Modern Physics A</i> , 2017, 32, 1744003.	1.5	6
18	High-finesse Fabry-Pérot cavities with bidimensional Si <sub>3</sub> N <sub>4</sub> photonic-crystal slabs. <i>Light: Science and Applications</i> , 2017, 6, e16190-e16190.	16.6	72

#	ARTICLE	IF	CITATIONS
19	Cooling a Macroscopic Mechanical Oscillator close to its Quantum Ground State. , 2017, , .		0
20	Advanced Virgo Status. , 2017, , .		0
21	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	26.7	427
22	A new method of probing mechanical losses of coatings at cryogenic temperatures. Review of Scientific Instruments, 2016, 87, 123906.	1.3	5
23	All-sky search for long-duration gravitational wave transients with initial LIGO. Physical Review D, 2016, 93, .	4.7	29
24	Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. Physical Review D, 2016, 93, .	4.7	17
25	First low frequency all-sky search for continuous gravitational wave signals. Physical Review D, 2016, 93, .	4.7	32
26	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22.	8.3	633
27	Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, 061102.	7.8	8,753
28	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1.		1
29	Towards quantum effects with a $\hat{1}/4g$ -scale mechanical oscillator. , 2016, , .		0
30	Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. Physical Review D, 2015, 91, .	4.7	37
31	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. Physical Review D, 2015, 91, .	4.7	39
32	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. Physical Review D, 2015, 91, .	4.7	47
33	Observation of three-mode parametric instability. Physical Review A, 2015, 91, .	2.5	19
34	2D photonic-crystal optomechanical nanoresonator. Optics Letters, 2015, 40, 174.	3.3	22
35	Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012.	4.0	1,029
36	The Advanced Virgo detector. Journal of Physics: Conference Series, 2015, 610, 012014.	0.4	27

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37	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015, 813, 39.	4.5	66
38	Advanced Virgo: a second-generation interferometric gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2015, 32, 024001.	4.0	2,530
39	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
40	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal</i> , Supplement Series, 2014, 211, 7.	7.7	57
41	Cavity optomechanics with a nonlinear photonic-crystal nanomembrane. , 2014, , .		0
42	A micropillar for cavity optomechanics. , 2014, , .		0
43	First all-sky search for continuous gravitational waves from unknown sources in binary systems. <i>Physical Review D</i> , 2014, 90, .	4.7	60
44	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2014, 112, 131101.	7.8	68
45	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
46	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
47	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
48	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014, 785, 119.	4.5	125
49	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
50	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
51	Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005â€“2010. <i>Physical Review D</i> , 2014, 89, .	4.7	28
52	Search for Gravitational Waves Associated with $\dot{\Gamma}^3$ -ray Bursts Detected by the Interplanetary Network. <i>Physical Review Letters</i> , 2014, 113, 011102.	7.8	32
53	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
54	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

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55	Free-space cavity optomechanics in a cryogenic environment. Applied Physics Letters, 2014, 104, 044102.	3.3	13
56	Optomechanics with photonic crystals slab mirrors and cavities. , 2014, , .		0
57	Quartz resonators at cryogenic temperatures: Noise and quality factor. , 2013, , .		2
58	Optomechanics with photonic crystals slab mirrors and cavities. , 2013, , .		0
59	Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009â€“2010. Physical Review D, 2013, 87, .	4.7	92
60	Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. Physical Review D, 2013, 88, .	4.7	31
61	A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 008-008.	5.4	32
62	Central heating radius of curvature correction (CHRoCC) for use in large scale gravitational wave interferometers. Classical and Quantum Gravity, 2013, 30, 055017.	4.0	11
63	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. Physical Review D, 2013, 87, .	4.7	91
64	Cavity optomechanics with photonic crystal nanomembrane. , 2013, , .		0
65	Fabry-perot cavity optomechanics with ultrahigh mechanical-Q-factor quartz micropillars at cryogenic temperature. , 2013, , .		0
66	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. Physical Review D, 2013, 88, .	4.7	132
67	Directed search for continuous gravitational waves from the Galactic center. Physical Review D, 2013, 88, .	4.7	65
68	Towards observation of quantum optomechanical correlations. , 2013, , .		0
69	Towards observation of quantum optomechanical correlations. , 2013, , .		0
70	Characterization of the Virgo seismic environment. Classical and Quantum Gravity, 2012, 29, 025005.	4.0	5
71	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. Astrophysical Journal, Supplement Series, 2012, 203, 28.	7.7	62
72	The characterization of Virgo data and its impact on gravitational-wave searches. Classical and Quantum Gravity, 2012, 29, 155002.	4.0	73

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73	Status of the commissioning of the Virgo interferometer. , 2012, , .		1
74	Noise monitor tools and their application to Virgo data. Journal of Physics: Conference Series, 2012, 363, 012024.	0.4	2
75	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. Astronomy and Astrophysics, 2012, 541, A155.	5.1	75
76	SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3. Astrophysical Journal, 2012, 760, 12.	4.5	104
77	The NoEMi (Noise Frequency Event Miner) framework. Journal of Physics: Conference Series, 2012, 363, 012037.	0.4	12
78	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. Physical Review D, 2012, 85, .	4.7	107
79	Search for gravitational waves from intermediate mass binary black holes. Physical Review D, 2012, 85, .	4.7	48
80	Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600â€“1000ÅHz. Physical Review D, 2012, 85, .	4.7	43
81	Search for gravitational waves from low mass compact binary coalescence in LIGOâ€™s sixth science run and Virgoâ€™s science runs 2 and 3. Physical Review D, 2012, 85, .	4.7	185
82	All-sky search for periodic gravitational waves in the full S5 LIGO data. Physical Review D, 2012, 85, .	4.7	66
83	Nonlinear mechanics with suspended nanomembranes. Europhysics Letters, 2012, 100, 68005.	2.0	31
84	Virgo: a laser interferometer to detect gravitational waves. Journal of Instrumentation, 2012, 7, P03012-P03012.	1.2	257
85	Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. Astronomy and Astrophysics, 2012, 539, A124.	5.1	84
86	A micro-resonator for fundamental physics experiments and its possible interest for time and frequency applications. , 2011, , .		4
87	Towards the experimental demonstration of quantum radiation pressure noise. Comptes Rendus Physique, 2011, 12, 826-836.	0.9	11
88	Deformable two-dimensional photonic crystal slab for cavity optomechanics. Optics Letters, 2011, 36, 3434.	3.3	35
89	Fundamental Frontiers of Quantum Science and Technology. Procedia Computer Science, 2011, 7, 77-80.	2.0	4
90	A micropillar for cavity optomechanics. Applied Physics Letters, 2011, 99, 121103.	3.3	23

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91	A state observer for the Virgo inverted pendulum. Review of Scientific Instruments, 2011, 82, 094502.	1.3	8
92	Status of the Virgo project. Classical and Quantum Gravity, 2011, 28, 114002.	4.0	171
93	Optomechanical correlations and signal self-amplification in interferometric measurements. Journal of Physics: Conference Series, 2010, 228, 012024.	0.4	0
94	A micromechanical resonator to reach the quantum regime. , 2010, , .		4
95	AIGO: a southern hemisphere detector for the worldwide array of ground-based interferometric gravitational wave detectors. Classical and Quantum Gravity, 2010, 27, 084005.	4.0	20
96	Backaction Amplification and Quantum Limits in Optomechanical Measurements. Physical Review Letters, 2010, 104, 133602.	7.8	88
97	Experimental Optomechanics with Silicon Micro-Mirrors. , 2009, , .		0
98	Scheme to Probe Optomechanical Correlations between Two Optical Beams Down to the Quantum Level. Physical Review Letters, 2009, 102, 103601.	7.8	65
99	A scheme to probe optomechanical correlations between two optical beams down to the quantum level. , 2009, , .		1
100	Quantum optomechanical correlations induced by radiation pressure between light and mirrors. Proceedings of SPIE, 2009, , .	0.8	1
101	Probing Optomechanical Correlations between Two Optical Beams down to the Quantum Level. , 2009, , .		0
102	Optomechanical correlations between light and mirrors. , 2009, , .		0
103	Experimental optomechanics with silicon micromirrors. New Journal of Physics, 2008, 10, 125021.	2.9	17
104	Observation of radiation-pressure effects and back-action cancellation in interferometric measurements. , 2008, , .		0
105	Radiation-pressure effects upon a micromirror in a high-finesse optical cavity. Proceedings of SPIE, 2008, , .	0.8	1
106	Experimental optomechanics with single and twin moving mirrors. , 2008, , .		0
107	Radiation-Pressure Effects upon a Micro-Mirror in a High-Finesse Optical Cavity. , 2008, , .		0
108	Radiation-Pressure Effects upon a Micro-Mirror in a High-Finesse Optical Cavity. , 2007, , .		0

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109	Observation of Back-Action Noise Cancellation in Interferometric and Weak Force Measurements. Physical Review Letters, 2007, 99, 110801.	7.8	64
110	Quantum optics with a mechanical microresonator. , 2007, , .		0
111	Radiation-pressure effects and back-action cancellation in interferometric measurements. , 2007, , .		0
112	Ultrasensitive optical measurement of thermal and quantum noises. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	4
113	Quantum optics with micromirrors. Annales De Physique, 2007, 32, 33-38.	0.2	1
114	Optomechanical coupling in high-finesse cavities: towards the observation of quantum effects. Annales De Physique, 2007, 32, 167-169.	0.2	1
115	Observation of radiation-pressure effects and back-action cancellation in interferometric measurements. , 2007, , .		0
116	Toward Quantum Optics Experiments with Silicon Micro-Mechanical Oscillators. , 2007, , .		0
117	Radiation-Pressure Effects upon a Micro-Mirror in a High-Finesse Optical Cavity. , 2007, , .		0
118	Beating quantum limits in an optomechanical sensor by cavity detuning. Physical Review A, 2006, 73, .	2.5	75
119	Ultra-sensitive measurement of thermal and quantum noises. Journal of Physics: Conference Series, 2006, 32, 288-293.	0.4	1
120	Radiation-pressure cooling and optomechanical instability of a micromirror. Nature, 2006, 444, 71-74.	27.8	842
121	Experimental investigation of dynamic photo-thermal effect. Classical and Quantum Gravity, 2006, 23, S259-S266.	4.0	8
122	High-Sensitivity Optical Monitoring of a Micromechanical Resonator with a Quantum-Limited Optomechanical Sensor. Physical Review Letters, 2006, 97, 133601.	7.8	198
123	Bruit thermique et effets quantiques dans une cavit� optique de grande finesse. European Physical Journal Special Topics, 2006, 135, 111-112.	0.2	0
124	Optical monitoring and cooling of a micro-mechanical oscillator to the quantum limit (Invited Paper). , 2005, 5846, 124.		7
125	<title>Optical monitoring and cooling of a micro-mechanical oscillator to the quantum limit</title>. , 2005, , .		2
126	Entangling movable mirrors in a double-cavity system. Europhysics Letters, 2005, 72, 747-753.	2.0	191



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127	Beating quantum limits in interferometers with quantum locking of mirrors. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S684-S690.	1.4	7
128	Quantum locking of mirrors in interferometric measurements. Classical and Quantum Gravity, 2004, 21, S1053-S1058.	4.0	1
129	Optical phase-space reconstruction of mirror motion at the attometer level. European Physical Journal D, 2003, 22, 131-140.	1.3	41
130	Quantum Locking of Mirrors in Interferometers. Physical Review Letters, 2003, 90, 083601.	7.8	60
131	Thermal and back-action noises in dual-sphere gravitational-wave detectors. Physical Review D, 2003, 67, .	4.7	49
132	Optomechanical characterization of acoustic modes in a mirror. Physical Review A, 2003, 68, .	2.5	30
133	Back-action cancellation in interferometers by quantum locking. Europhysics Letters, 2003, 63, 226-232.	2.0	15
134	Quantum locking of mirrors in interferometric measurements. , 2003, , .		0
135	Observation of mirror motion and thermal noise squeezing at the attometer level. , 2003, , .		0
136	A wideband and sensitive GW detector for kHz frequencies: the dual sphere. Classical and Quantum Gravity, 2002, 19, 2013-2019.	4.0	3
137	Amplification paramétrique et compression du bruit thermique d'un miroir mobile. European Physical Journal Special Topics, 2002, 12, 151-152.	0.2	0
138	Quantum limits of cold damping with optomechanical coupling. European Physical Journal D, 2001, 17, 399-408.	1.3	81
139	Thermoelastic effects at low temperatures and quantum limits in displacement measurements. Physical Review D, 2001, 63, .	4.7	85
140	High-sensitivity measurement and control of thermal noise in a cavity. AIP Conference Proceedings, 2000, , .	0.4	1
141	Full mechanical characterization of a cold damped mirror. Physical Review A, 2000, 63, .	2.5	66
142	Bruit thermique et effets quantiques dans une cavité optique de grande finesse. European Physical Journal Special Topics, 2000, 10, Pr8-19.	0.2	0
143	Thermal noise of a plano-convex mirror. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 263, 27-32.	2.1	2
144	Cooling of a Mirror by Radiation Pressure. Physical Review Letters, 1999, 83, 3174-3177.	7.8	419

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145	High-sensitivity optical measurement of mechanical Brownian motion. Europhysics Letters, 1999, 47, 545-551.	2.0	80
146	Quantum nondemolition measurement by optomechanical coupling. Applied Physics B: Lasers and Optics, 1997, 64, 173-180.	2.2	69
147	Quantum-nondemolition measurement of light by a piezoelectric crystal. Physical Review A, 1995, 51, 2443-2449.	2.5	24
148	Quantum Noise Eaters. , 1995, , 455-461.		1
149	Photon noise reduction by reflection from a movable mirror. Physical Review A, 1994, 50, 4237-4243.	2.5	14
150	Quantum-noise reduction using a cavity with a movable mirror. Physical Review A, 1994, 49, 1337-1343.	2.5	293
151	Photon noise reduction by controlled deletion techniques. Journal of the Optical Society of America B: Optical Physics, 1993, 10, 745.	2.1	12
152	Mechanisms for intensity-noise reduction by photon control. Journal of the Optical Society of America B: Optical Physics, 1993, 10, 1637.	2.1	4
153	Electronic control of quantum fluctuations. , 1992, , .		0
154	I Quantum Fluctuations in Optical Systems. Progress in Optics, 1992, 30, 1-85.	0.6	40
155	Quantum correlated twin beams. Applied Physics B, Photophysics and Laser Chemistry, 1992, 55, 250-257.	1.5	28
156	Progress and Perspectives in Squeezing. NATO ASI Series Series B: Physics, 1992, , 183-191.	0.2	0
157	Semi-Classical Input-Output Linearization Techniques for Quantum Fluctuations and Beyond. NATO ASI Series Series B: Physics, 1992, , 211-220.	0.2	0
158	Improvements in the observed intensity correlation of optical parametric oscillator twin beams. Optics Letters, 1991, 16, 1234.	3.3	101
159	Generation of sub-Poissonian light using active control with twin beams. Physical Review A, 1991, 44, 3229-3238.	2.5	35
160	Twin photons and squeezed light. , 1991, , 276-284.		0
161	Squeezing in detuned degenerate optical parametric oscillators. Journal of the European Optical Society Part B: Quantum Optics, 1990, 2, 159-187.	1.2	74
162	Observation of high-intensity sub-Poissonian light using an optical parametric oscillator. Physical Review Letters, 1990, 64, 2897-2900.	7.8	96

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163	Sub-shot-noise measurements using the beat note between quantum-correlated photon beams. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 2132.	2.1	27
164	A Semi-Classical Linear Input Output Transformation for Quantum Fluctuations. , 1990, , 993-997.		1
165	Noise characteristics of a non-degenerate Optical Parametric Oscillator - Application to quantum noise reduction. Journal De Physique, 1989, 50, 1209-1225.	1.8	131
166	Photon noise reduction by passive optical bistable systems. Physical Review A, 1989, 40, 1440-1446.	2.5	68
167	Observation of large quantum noise reduction using an optical parametric oscillator. Journal of the European Optical Society Part B: Quantum Optics, 1989, 1, 3-9.	1.2	68
168	A semiclassical linear input output transformation for quantum fluctuations. Optics Communications, 1989, 71, 209-214.	2.1	84
169	Squeezing, Bistability and Instability in the Optical Parametric Oscillator. Springer Proceedings in Physics, 1989, , 13-22.	0.2	0
170	Squeezed Light: Progress and Perspectives. , 1989, , 180-183.		0
171	Atomic motion in a resonant laser standing wave. Lecture Notes in Physics, 1987, , 196-210.	0.7	0
172	Observation of Quantum Noise Reduction on Twin Laser Beams. Physical Review Letters, 1987, 59, 2555-2557.	7.8	562
173	Squeezing and Antibunching in Phase-matched Many-atom Resonance Fluorescence. Journal of Modern Optics, 1987, 34, 923-940.	1.3	15
174	Generation of non classical states of light by phase conjugation and parametric conversion. Hyperfine Interactions, 1987, 37, 109-124.	0.5	1
175	Atomic Motion in a Laser Standing Wave. Springer Series in Optical Sciences, 1987, , 81-86.	0.7	6
176	Cooling Atoms with Stimulated Emission. Physical Review Letters, 1986, 57, 1688-1691.	7.8	167
177	Observation of Photon Antibunching in Phase-Matched Multiatom Resonance Fluorescence. Physical Review Letters, 1986, 57, 687-690.	7.8	72
178	1/N expansion of the statistical properties of the N Rydberg atoms maser: Application to squeezing. Optics Communications, 1985, 54, 189-194.	2.1	33
179	Squeezing in a Rydberg Atom Maser. Physical Review Letters, 1985, 54, 326-328.	7.8	52
180	Can photon noise be reduced ?. Annales De Physique, 1985, 10, 227-239.	0.2	3

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181	Squeezing in the many atom resonance fluorescence emitted in the forward direction : application to photon noise reduction. Journal De Physique, 1985, 46, 1937-1948.	1.8	46
182	Atomic and Field Fluctuations in Rydberg Masers: A Potential Source of Squeezed Radiation. Springer Series in Optical Sciences, 1985, , 62-66.	0.7	1
183	Generation of squeezed states of light: A critical discussion. Optics Communications, 1984, 50, 271-274.	2.1	22
184	Photon noise reduction and coherence properties of squeezed fields. Optics Communications, 1984, 52, 235-240.	2.1	25
185	Correlations in single photon amplification : stimulated versus spontaneous processes. Journal De Physique, 1984, 45, 873-883.	1.8	8