HÃ©ctor M Moya-Cessa

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7872032/publications.pdf

Version: 2024-02-01

194	3,251	117625	175258
papers	citations	34 h-index	52 g-index

202	202	202	1527
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Propagation of a Gaussian-top-hat function: Self-focusing properties. Results in Physics, 2022, 33, 105118.	4.1	0
2	Bohm approach to the Gouy phase shift. Optik, 2022, 252, 168468.	2.9	0
3	Approximate solutions for the ion-laser interaction in the high intensity regime: matrix method perturbative analysis. Optical and Quantum Electronics, 2022, 54, 1.	3.3	0
4	Intrinsic decoherence for the displaced harmonic oscillator. Pramana - Journal of Physics, 2022, 96, 1.	1.5	3
5	Two-mode squeezed state generation using the Bohm potential. Modern Physics Letters B, 2022, 36, .	1.9	0
6	Spectroscopy and critical quantum thermometry in the ultrastrong coupling regime. Quantum Science and Technology, 2021, 6, 025010.	5.8	19
7	London-modified coherent states: statistical properties and interaction with a two-level atom. Journal of Modern Optics, 2021, 68, 196-201.	1.3	2
8	Bohm potential is real and its effects are measurable. Optik, 2021, 232, 166341.	2.9	10
9	Airy beam propagation: autofocusing, quasi-adiffractional propagation, and self-healing. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 711.	1.5	9
10	Propagation of light in linear and quadratic GRIN media: The Bohm potential. Optics Communications, 2021, 490, 126947.	2.1	6
11	Generation of Talbot-like fields. Scientific Reports, 2021, 11, 16262.	3.3	0
12	Multiphoton processes via conditional measurements in the two-field interaction. Journal of Optics (United Kingdom), 2021, 23, 095201.	2.2	0
13	Ion-laser-like interaction in optomechanical systems with Kerr nonlinearities. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 408, 127490.	2.1	1
14	Kapitzaâ€“Dirac photonic lattices. Optics Letters, 2021, 46, 4690.	3.3	1
15	Exact solution of a non-stationary cavity with one intermode interaction. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2873.	2.1	2
16	Time-dependent harmonic oscillators and SUSY in time domain. Physica Scripta, 2021, 96, 125218.	2.5	0
17	Airy eigenstates and their relation to coordinate eigenstates. Results in Physics, 2021, 31, 104904.	4.1	1
18	Bohm potential for the time dependent harmonic oscillator. Journal of Mathematical Physics, 2021, 62, 122103.	1.1	1

#	Article	IF	Citations
19	Approximate evolution for a system composed by two coupled Jaynesâ€“Cummings Hamiltonians. Physica Scripta, 2020, 95, 034008.	2.5	3
20	Generation of quasi-rectangle-states of the vibrational motion of an ion. Physica Scripta, 2020, 95, 054002.	2.5	0
21	Dynamical analysis of massâ€“spring models using Lie algebraic methods. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 123193.	2.6	1
22	Comment on â€œTime-dependent coupled harmonic oscillatorsâ€•[J. Math. Phys. 53, 052101 (2012)]. Journal of Mathematical Physics, 2020, 61, 114101.	1.1	3
23	Ermakov-Lewis Invariant for Two Coupled Oscillators. Journal of Physics: Conference Series, 2020, 1540, 012009.	0.4	1
24	Time-dependent coupled harmonic oscillators: Classical and quantum solutions. International Journal of Modern Physics E, 2020, 29, 2075001.	1.0	4
25	Relation between the entropy and the linear entropy in the ionâ€“laser interaction. Journal of Modern Optics, 2020, 67, 805-810.	1.3	1
26	Exact and approximated solutions for the harmonic and anharmonic repulsive oscillators: Matrix method. European Physical Journal D, 2020, 74, 1.	1.3	6
27	Peggâ€“Barnett coherent states. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 370.	2.1	2
28	Solution to the Time-Dependent Coupled Harmonic Oscillators Hamiltonian with Arbitrary Interactions. Quantum Reports, 2019, 1, 82-90.	1.3	23
29	Generation of NOON States in Waveguide Arrays. Annalen Der Physik, 2019, 531, 1900250.	2.4	5
30	The von Neumann Entropy for Mixed States. Entropy, 2019, 21, 49.	2.2	13
31	Ringing revivals produced by non classical fields generated by conditional measurements. Optik, 2019, 185, 721-725.	2.9	3
32	Quasiprobability Distribution Functions from Fractional Fourier Transforms. Symmetry, 2019, 11, 344.	2.2	3
33	Purification of the atom-field interaction Hamiltonian. Physics Open, 2019, 1, 100007.	1.5	1
34	Light propagation in inhomogeneous media, coupled quantum harmonic oscillators and phase transitions. Scientific Reports, 2019, 9, 16800.	3.3	12
35	Squeeze Operators in Classical Scenarios. Applied Mathematics and Information Sciences, 2019, 13, 183-187.	0.5	0
36	Two-particle four-point correlations in dynamically disordered tight-binding networks. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 024002.	1.5	5

#	Article	IF	Citations
37	Normalization corrections to perturbation theory based on a matrix method. Journal of Modern Optics, 2018, 65, 978-986.	1.3	5
38	Connecting nth order generalised quantum Rabi models: Emergence of nonlinear spin-boson coupling via spin rotations. Npj Quantum Information, 2018, 4, .	6.7	36
39	Quantum-classical analogies in waveguide arrays: From Fourier transforms to ion-laser interactions. AIP Conference Proceedings, 2018, , .	0.4	0
40	Endurance of quantum coherence due to particle indistinguishability in noisy quantum networks. Npj Quantum Information, 2018, 4, .	6.7	35
41	Structure invariant wave packets. Physica Scripta, 2018, 93, 124005.	2.5	0
42	Schmidt decomposition in the interaction of a three-level atom and a quantized field. European Physical Journal D, 2018, 72, 1.	1.3	1
43	Exact solution of degenerate and nondegenerate optical parametric oscillator coupled with a squeezed thermal bath. Modern Physics Letters B, 2018, 32, 1850247.	1.9	0
44	Quantum harmonic oscillator with time-dependent mass. Modern Physics Letters B, 2018, 32, 1850235.	1.9	17
45	Mathematical and diffractive modeling of self-healing. Optics Express, 2018, 26, 12219.	3.4	12
46	KvN mechanics approach to the time-dependent frequency harmonic oscillator. Scientific Reports, 2018, 8, 8401.	3.3	15
47	Squeeze operators in classical and quantum scenarios. , 2018, , .		1
48	Conversion of any finite bandwidth optical field into a shape invariant beam. OSA Continuum, 2018, 1, 604.	1.8	2
49	Endurance of photon indistinguishability in noisy quantum networks. , 2018, , .		0
50	Entropy in the Atom-Field Interaction: Mixed Initial States. , 2018, , .		0
51	Fieldâ€™s entropy in the atomâ€“field interaction: Statistical mixture of coherent states. Annals of Physics, 2017, 379, 150-158.	2.8	5
52	Entropy-Growth in the Universe: Some Plausible Scenarios. International Journal of Theoretical Physics, 2017, 56, 1558-1564.	1.2	0
53	Journeys from quantum optics to quantum technology. Progress in Quantum Electronics, 2017, 54, 19-45.	7.0	41
54	Generating non-classical light inside an optical cavity by depositing photons. Journal of Modern Optics, 2017, 64, 2262-2267.	1.3	4

#	Article	IF	Citations
55	Reconstruction of quasiprobability distribution functions of the cavity field considering field and atomic decays. Optics Communications, 2017, 400, 69-73.	2.1	12
56	Decoherence in quantum lossy systems: superoperator and matrix techniques. European Physical Journal D, 2017, 71, 1.	1.3	1
57	Application of Perturbation Theory to a Master Equation. Advances in Mathematical Physics, 2016, 2016, 1-7.	0.8	15
58	Entropy for the Quantized Field in the Atom-Field Interaction: Initial Thermal Distribution. Entropy, 2016, 18, 346.	2.2	1
59	SchrÃ¶dinger like equation for wavelets. AIP Advances, 2016, 6, 015202.	1.3	3
60	Fast Quantum Rabi Model with Trapped Ions. Scientific Reports, 2016, 6, 38961.	3.3	11
61	Generalized revival and splitting of an arbitrary optical field in GRIN media. Optics Express, 2016, 24, 10445.	3.4	2
62	Generalized SchrÃ¶dinger cat states and their classical emulation. Physical Review A, 2016, 93, .	2.5	6
63	Implementation of quantum and classical discrete fractional Fourier transforms. Nature Communications, 2016, 7, 11027.	12.8	81
64	The Peggâ€“Barnett phase operator and the discrete Fourier transform. Physica Scripta, 2016, 91, 043008.	2.5	9
65	Exact solution to laser rate equations: three-level laser as a Morse-like oscillator. Journal of Modern Optics, 2016, 63, 1521-1524.	1.3	2
66	Observation of noise-assisted energy transport in dynamically disordered photonic lattices. , 2016, , .		1
67	Dynamics of accelerating Bessel solutions of Maxwellâ€™s equations. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 2047.	1.5	7
68	Noise-assisted energy transport in electrical oscillator networks with off-diagonal dynamical disorder. Scientific Reports, 2015, 5, 17339.	3.3	39
69	An optical analog of quantum optomechanics. Physica Scripta, 2015, 90, 074004.	2.5	1
70	Generation of squeezed SchrÃ¶dinger cats in a tunable cavity filled with a Kerr medium. Journal of Optics (United Kingdom), 2015, 17, 065202.	2.2	9
71	Ion-laser interaction in dispersive regimes: solution using squeeze operators. Journal of Modern Optics, 2015, 62, 1442-1445.	1.3	0
72	Coherent delocalization: views of entanglement in different scenarios. Laser Physics Letters, 2015, 12, 085204.	1.4	10

#	Article	IF	Citations
73	Ultracold two-level atom in a quadratic potential. Optics Communications, 2015, 349, 120-124.	2.1	2
74	Operator approach to quantum optomechanics. Physica Scripta, 2015, 90, 068010.	2.5	13
75	Revival and splitting of a Gaussian beam in gradient index media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 1140.	1.5	18
76	Solution of the Schrï¿½dinger Equation for a Linear Potential using the Extended Baker-Campbell-Hausdorff Formula. Applied Mathematics and Information Sciences, 2015, 9, 175-181.	0.5	4
77	Several Ways to Solve the Jaynes-Cummings Model. Applied Mathematics and Information Sciences, 2015, 9, 299-303.	0.5	9
78	Implementation of Quantum and Classical Discrete Fractional Fourier Transforms. , 2015, , .		1
79	Two-photon evolution equation for multiport optical systems. , 2015, , .		0
80	Searching for structure beyond parity in the two-qubit Dicke model. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 135306.	2.1	6
81	Ion-quantized field interaction in two regimes. Physica Scripta, 2014, 89, 125101.	2.5	0
82	Engineering nonlinear coherent states as photon-added and photon-subtracted coherent states. International Journal of Quantum Information, 2014, 12, 1560005.	1.1	7
83	Phase state and related nonlinear coherent states. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1335.	2.1	4
84	A squeeze-like operator approach to position-dependent mass in quantum mechanics. Journal of Mathematical Physics, 2014, 55, .	1.1	5
85	Ermakovâ€“Lewis symmetry in photonic lattices. Optics Letters, 2014, 39, 2083.	3.3	23
86	Coherent random walks in free space. Optica, 2014, 1, 268.	9.3	18
87	Jacobi photonic lattices and their SUSY partners. Optics Express, 2014, 22, 987.	3.4	26
88	A classical simulation of nonlinear Jaynesâ€“Cummings and Rabi models in photonic lattices: reply to comment. Optics Express, 2014, 22, 1784.	3.4	5
89	Optical realization of quantum Kerr medium dynamics. Optics Letters, 2014, 39, 6158.	3.3	9
90	Propagation and perfect transmission in three-waveguide axially varying couplers. Physical Review A, 2014, 89, .	2.5	14

#	Article	IF	Citations
91	Optical simulation of Majorana physics. Physical Review A, 2014, 89, .	2.5	20
92	On-chip generation of high-order single-photon W-states. Nature Photonics, 2014, 8, 791-795.	31.4	109
93	Commentï¼šA two-level atom in a cavity with a moving mirror. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 069901.	0.5	0
94	Quantum-classical analogies in photonic lattices. , 2014, , .		0
95	Relation between the Glauberâ€“Sudarshan and Kirkwoodâ€“Rihaczek distribution functions. Journal of Modern Optics, 2013, 60, 726-730.	1.3	5
96	A photonic crystal realization of a phase driven two-level atom. Optics Communications, 2013, 292, 87-91.	2.1	4
97	The exact solution of generalized Dicke models via Susskindâ€“Glogower operators. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 095301.	2.1	14
98	Photon transport in binary photonic lattices. Physica Scripta, 2013, 87, 038116.	2.5	4
99	Coherent quantum transport in photonic lattices. Physical Review A, 2013, 87, .	2.5	146
100	Perfect transfer of path-entangled photons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>J</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:math>photonic lattices. Physical Review A, 2013, 87, .	2.5	55
101	Evolution dynamics of Helmholtz Bessel beams. , 2013, , .		0
102	Discrete-like diffraction dynamics in free space. Optics Express, 2013, 21, 17951.	3.4	14
103	A classical simulation of nonlinear Jaynesâ€“Cummings and Rabi models in photonic lattices. Optics Express, 2013, 21, 12888.	3.4	45
104	Generating photon-encoded<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>W</mml:mi></mml:math>states in multiport waveguide-array systems. Physical Review A, 2013, 87, .	2.5	48
105	Coherent quantum transport in waveguide lattices. , 2013, , .		0
106	Equivalence between mirror-field-atom and ion-laser interactions. Applied Mathematics and Information Sciences, 2013, 7, 1311-1315.	0.5	1
107	Generation of MOON states in ion-laser interactions. Quantum Information Review, 2013, 1, 19-22.	0.3	1
108	Generation of multipartite single photon W states in waveguide lattices. , 2013, , .		0

#	Article	IF	Citations
109	Evolution dynamics of vectorial Bessel beams. , 2013, , .		0
110	Observation of Bloch-like revivals in semi-infinite Glauberâ€“Fock photonic lattices. Optics Letters, 2012, 37, 3801.	3.3	37
111	Tailoring the correlation and anticorrelation behavior of path-entangled photons in Glauber-Fock oscillator lattices. Physical Review A, 2012, 85, .	2.5	38
112	PERTURBATIVE APPROACH TO DIATOMIC LATTICES. International Journal of Quantum Information, 2012, 10, 1250072.	1.1	2
113	High NOON states in trapped ions. Physica Scripta, 2012, T147, 014028.	2.5	3
114	Quantum state transformations by multiport array beam splitters. , 2012, , .		0
115	Optical realization of the atomâ€“field interaction in waveguide lattices. Physica Scripta, 2012, T147, 014023.	2.5	3
116	Alternative analysis to perturbation theory in quantum mechanics. European Physical Journal D, 2012, 66, 1.	1.3	14
117	Ionâ€“laser interactions: The most complete solution. Physics Reports, 2012, 513, 229-261.	25.6	46
118	Exact solution of the ionâ€laser interaction in all regimes. Annalen Der Physik, 2012, 524, 107-111.	2.4	2
119	Observation of Bloch-like oscillations in Glauber-Fock oscillator lattices. , 2012, , .		0
120	MODELING NON-LINEAR COHERENT STATES IN FIBER ARRAYS. International Journal of Quantum Information, 2011, 09, 349-355.	1.1	11
121	Classical Analogue of Displaced Fock States and Quantum Correlations in Glauber-Fock Photonic Lattices. Physical Review Letters, 2011, 107, 103601.	7.8	79
122	Generation of Airy solitary-like wave beams by acceleration control in inhomogeneous media. Optics Express, 2011, 19, 16448.	3.4	42
123	Solution to the Landauâ€“Zener problem via Susskindâ€“Glogower operators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3770-3774.	2.1	6
124	NOON states in entangled cavities. Optics Communications, 2011, 284, 3345-3347.	2.1	6
125	Many fields interaction: Beam splitters and waveguide arrays. Annalen Der Physik, 2011, 523, 402-407.	2.4	1
126	Classical analogues to quantum nonlinear coherent states in photonic lattices. Optics Communications, 2011, 284, 1833-1836.	2.1	5

#	Article	IF	Citations
127	Displaced Fock states and photon correlations in Glauber-Fock photonic lattices. , 2011, , .		0
128	Observation of Glauber-Fock dynamics in photonic lattices. , 2011, , .		0
129	Glauberâ€“Fock photonic lattices. Optics Letters, 2010, 35, 2409.	3.3	62
130	Riemann<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î¶</mml:mi></mml:mrow></mml:math>function from wave-packet dynamics. Physical Review A, 2010, 82, .	2.5	16
131	10.1007/s11490-008-3025-3. , 2010, 18, 344.		0
132	Intrinsic decoherence in the interaction of two fields with a two-level atom. Annalen Der Physik, 2009, 18, 454-458.	2.4	2
133	Optical realization of quantum-mechanical invariants. Optics Letters, 2009, 34, 1459.	3.3	9
134	Useful transformations: From ion-laser interactions to master equations. Laser Physics, 2008, 18, 344-348.	1.2	3
135	Optical realization of a quantum beam splitter. Optics Letters, 2008, 33, 1966.	3.3	8
136	Unifying distribution functions: some lesser known distributions. Applied Optics, 2008, 47, E13.	2.1	3
137	Rabi oscillations in a quantum dot-cavity system coupled to a nonzero temperature phonon bath. Physica Scripta, 2008, 77, 065704.	2.5	5
138	ENTROPY OPERATOR AND ASSOCIATED WIGNER FUNCTION. International Journal of Quantum Information, 2007, 05, 149-155.	1.1	5
139	Quantum-Like Entanglement in Classical Optics. Optics and Photonics News, 2007, 18, 38.	0.5	7
140	Quantumlike systems in classical optics: applications of quantum optical methods. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 404.	2.1	20
141	Self-rotating wave approximation via symmetric ordering of ladder operators. Journal of Modern Optics, 2007, 54, 1497-1510.	1.3	2
142	Sudden death and long-lived entanglement of two trapped ions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 369, 372-376.	2.1	34
143	Decoherence in atomâ€“field interactions: A treatment using superoperator techniques. Physics Reports, 2006, 432, 1-41.	25.6	75
144	Scheme to measure squeezing and phase properties of a harmonic oscillator. Journal of Modern Optics, 2005, 52, 1751-1756.	1.3	0

#	Article	IF	Citations
145	Combining Jaynes-Cummings and anti-Jaynes-Cummings dynamics in a trapped-ion system driven by a laser. Physical Review A, 2005, 71, .	2.5	22
146	Quantum dynamics in single-spin measurement. Physical Review B, 2005, 71, .	3.2	3
147	A trapped ion with time-dependent frequency interaction with a laser field. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S618-S620.	1.4	4
148	On the quantum phase problem. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S155-S157.	1.4	4
149	Superposition of Coherent States on a Truncated von Neumann Lattice. Physica Scripta, 2004, 70, 14-16.	2.5	1
150	Squeezed states and uncertainty relations. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S453-S454.	1.4	0
151	Efficient information swapping scheme in cavity QED. Journal of Modern Optics, 2004, 51, 1089-1090.	1.3	0
152	Direct Measurement of Quasiprobabilities in Lossy Cavities. European Physical Journal A, 2004, 20, 73-76.	0.2	0
153	Coherent states for the time dependent harmonic oscillator: the step function. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 311, 1-5.	2.1	42
154	Direct measurement of the Q-function in a lossy cavity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 307, 179-182.	2.1	3
155	A numberâ€“phase Wigner function. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, S339-S341.	1.4	9
156	Amplitude and phase representation of quantum invariants for the time-dependent harmonic oscillator. Physical Review A, 2003, 67, .	2.5	22
157	Direct measurement of quasiprobability distributions in cavity QED. Physical Review A, 2003, 68, .	2.5	11
158	DYNAMICS OF TWO ATOMS COUPLED TO A CAVITY FIELD. Modern Physics Letters B, 2003, 17, 219-224.	1.9	6
159	Solution of the SchrÂdinger equation for time-dependent 1D harmonic oscillators using the orthogonal functions invariant. Journal of Physics A, 2003, 36, 2069-2076.	1.6	46
160	A family of exact eigenstates for a single trapped ion interacting with a laser field. Journal of Modern Optics, 2003, 50, 265-273.	1.3	1
161	Generalized qubits of the vibrational motion of a trapped ion. Physical Review A, 2002, 65, .	2.5	7
162	Nonextensive approach to decoherence in quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 279, 56-60.	2.1	11

#	Article	IF	Citations
163	ANALYTICAL OPERATOR SOLUTION OF MASTER EQUATIONS DESCRIBING PHASE-SENSITIVE PROCESSES. International Journal of Modern Physics B, 2001, 15, 1127-1134.	2.0	5
164	On the possibility of field-state reconstruction in non-ideal cavities. AIP Conference Proceedings, 2000, , .	0.4	0
165	Vibrational superposition states without rotating wave approximation. Journal of Modern Optics, 2000, 47, 2133-2136.	1.3	5
166	Unitary transformation approach for the trapped ion dynamics. Journal of Optics B: Quantum and Semiclassical Optics, 2000, 2, 21-23.	1.4	6
167	Cavity field reconstruction at finite temperature. Journal of Modern Optics, 2000, 47, 2127-2131.	1.3	1
168	Filtering number states of the vibrational motion of an ion. Physical Review A, 2000, 61, .	2.5	31
169	Recovering coherence from decoherence: A method of quantum-state reconstruction. Physical Review A, 1999, 60, 4029-4033.	2.5	31
170	Quantum state reconstruction in the presence of dissipation. Journal of Modern Optics, 1999, 46, 555-558.	1.3	32
171	Long-time-scale revivals in ion traps. Physical Review A, 1999, 59, 2518-2520.	2.5	45
172	Quantum-state engineering of a trapped ion by coherent-state superpositions. Physical Review A, 1999, 59, 2920-2925.	2.5	41
173	Adding and subtracting energy quanta of the harmonic oscillator. Journal of Modern Optics, 1999, 46, 1641-1656.	1.3	2
174	Quantum state reconstruction in the presence of dissipation. Journal of Modern Optics, 1999, 46, 555-558.	1.3	1
175	Unitary Integration of Quantum Liouville-Bloch Equations. Physical Review Letters, 1998, 81, 4785-4789.	7.8	27
176	Solution to the master equation for a quantized cavity mode. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1998, 10, 671-674.	0.9	43
177	A Hermitian operator conjugate to the number operator. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1997, 9, L1-L3.	0.9	5
178	Interaction of quantized light with a two-level atom: comparison between the Stark and Kerr effects. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 205, 51-54.	2.1	7
179	Purifying a thermal field in a lossless micromaser. Physical Review A, 1995, 51, 5032-5034.	2.5	8
180	On the Interaction of Two-level Atoms with Superpositions of Coherent States of Light. Journal of Modern Optics, 1995, 42, 1547-1552.	1.3	12

#	Article	IF	Citations
181	Generation and Properties of Superpositions of Displaced Fock States. Journal of Modern Optics, 1995, 42, 1741-1754.	1.3	43
182	Generation and detection of nonclassical field states by conditional measurements following two-photon resonant interactions. Physical Review A, 1994, 49, 535-547.	2.5	153
183	Photon amplification in a two-photon lossless micromaser. Physical Review A, 1994, 50, 1814-1821.	2.5	34
184	Large-scale fluctuations in the driven Jaynes-Cummings model. Physical Review A, 1994, 49, 1993-1998.	2.5	56
185	Cooperativity and Entanglement of Atom-field States. Journal of Modern Optics, 1993, 40, 1605-1630.	1.3	41
186	Intrinsic decoherence in the atom-field interaction. Physical Review A, 1993, 48, 3900-3905.	2.5	145
187	Series representation of quantum-field quasiprobabilities. Physical Review A, 1993, 48, 2479-2481.	2.5	164
188	Discriminating field mixtures from macroscopic superpositions. Physical Review A, 1993, 48, 3168-3173.	2.5	54
189	Interaction of Superpositions of Coherent States of Light with Two-level Atoms. Journal of Modern Optics, 1992, 39, 1441-1459.	1.3	39
190	Interaction of Squeezed Light with Two-level Atoms. Journal of Modern Optics, 1992, 39, 2481-2499.	1.3	37
191	SchrÃ¶dinger-cat states in the resonant Jaynes-Cummings model: Collapse and revival of oscillations of the photon-number distribution. Physical Review A, 1992, 45, 8190-8203.	2.5	246
192	Power broadening and shifts of micromaser lineshapes. Optics Communications, 1991, 85, 267-274.	2.1	35
193	Degree of polarization and quantum-mechanical purity. Journal of the European Optical Society-Rapid Publications, 0, 3, .	1.9	7
194	Discrete fractional Fourier transform: Vandermonde approach. IMA Journal of Applied Mathematics, 0, , .	1.6	2