

# Mark E Saffman

## List of Publications by Year in descending order

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174  
papers

10,957  
citations

34076

52  
h-index

30894

102  
g-index

174  
all docs

174  
docs citations

174  
times ranked

4439  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum information with Rydberg atoms. <i>Reviews of Modern Physics</i> , 2010, 82, 2313-2363.	16.4	1,968
2	Observation of Rydberg blockade between two atoms. <i>Nature Physics</i> , 2009, 5, 110-114.	6.5	752
3	Demonstration of a Neutral Atom Controlled-NOT Quantum Gate. <i>Physical Review Letters</i> , 2010, 104, 010503.	2.9	680
4	Quantum computing with atomic qubits and Rydberg interactions: progress and challenges. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 202001.	0.6	437
5	Consequences of Zeeman degeneracy for the van der Waals blockade between Rydberg atoms. <i>Physical Review A</i> , 2008, 77, .	1.0	231
6	Analysis of a quantum logic device based on dipole-dipole interactions of optically trapped Rydberg atoms. <i>Physical Review A</i> , 2005, 72, .	1.0	219
7	Rydberg-Mediated Entanglement in a Two-Dimensional Neutral Atom Qubit Array. <i>Physical Review Letters</i> , 2019, 123, 230501.	2.9	191
8	Randomized Benchmarking of Single-Qubit Gates in a 2D Array of Neutral-Atom Qubits. <i>Physical Review Letters</i> , 2015, 114, 100503.	2.9	187
9	Rydberg-blockade controlled-not gate and entanglement in a two-dimensional array of neutral-atom qubits. <i>Physical Review A</i> , 2015, 92, .	1.0	186
10	Creating single-atom and single-photon sources from entangled atomic ensembles. <i>Physical Review A</i> , 2002, 66, .	1.0	183
11	Multi-qubit entanglement and algorithms on a neutral-atom quantum computer. <i>Nature</i> , 2022, 604, 457-462.	13.7	180
12	Propagation of light beams in anisotropic nonlinear media: From symmetry breaking to spatial turbulence. <i>Physical Review A</i> , 1996, 54, 870-879.	1.0	162
13	Anomalous Interaction of Spatial Solitons in Photorefractive Media. <i>Physical Review Letters</i> , 1998, 80, 3240-3243.	2.9	160
14	Propagation of Dark Stripe Beams in Nonlinear Media: Snake Instability and Creation of Optical Vortices. <i>Physical Review Letters</i> , 1996, 76, 2262-2265.	2.9	156
15	Perspectives on quantum transduction. <i>Quantum Science and Technology</i> , 2020, 5, 020501.	2.6	155
16	Nonlocal Stabilization of Nonlinear Beams in a Self-Focusing Atomic Vapor. <i>Physical Review Letters</i> , 2007, 98, 263902.	2.9	152
17	Rabi Oscillations between Ground and Rydberg States with Dipole-Dipole Atomic Interactions. <i>Physical Review Letters</i> , 2008, 100, 113003.	2.9	150
18	Deterministic entanglement of two neutral atoms via Rydberg blockade. <i>Physical Review A</i> , 2010, 82, .	1.0	143

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19	Fast Ground State Manipulation of Neutral Atoms in Microscopic Optical Traps. Physical Review Letters, 2006, 96, 063001.	2.9	140
20	Quantum Computing with Collective Ensembles of Multilevel Systems. Physical Review Letters, 2007, 99, 260501.	2.9	131
21	Efficient Multiparticle Entanglement via Asymmetric Rydberg Blockade. Physical Review Letters, 2009, 102, 240502.	2.9	131
22	Preparation of Entangled and Antiferromagnetic States by Dissipative Rydberg Pumping. Physical Review Letters, 2013, 111, 033607.	2.9	127
23	Atom trapping in an interferometrically generated bottle beam trap. Optics Letters, 2009, 34, 1159.	1.7	118
24	Rydberg-Induced Solitons: Three-Dimensional Self-Trapping of Matter Waves. Physical Review Letters, 2011, 106, 170401.	2.9	112
25	Automatic calibration of LDA measurement volume size. Applied Optics, 1987, 26, 2592.	2.1	102
26	Collapse of a transverse-mode continuum in a self-imaging photorefractively pumped ring resonator. Optics Letters, 1994, 19, 518.	1.7	100
27	Solitary attractors and low-order filamentation in anisotropic self-focusing media. Physical Review A, 1998, 57, 522-534.	1.0	91
28	Multibit C k NOT quantum gates via Rydberg blockade. Quantum Information Processing, 2011, 10, 755-770.	1.0	90
29	Bound dipole solitary solutions in anisotropic nonlocal self-focusing media. Physical Review A, 1997, 56, R1110-R1113.	1.0	86
30	Scaling the neutral-atom Rydberg gate quantum computer by collective encoding in holmium atoms. Physical Review A, 2008, 78, .	1.0	84
31	High-fidelity Rydberg quantum gate via a two-atom dark state. Physical Review A, 2017, 96, .	1.0	84
32	Self-focusing and soliton formation in media with anisotropic nonlocal material response. Europhysics Letters, 1996, 36, 419-424.	0.7	82
33	Magic-wavelength optical traps for Rydberg atoms. Physical Review A, 2011, 84, .	1.0	80
34	Selection of Unstable Patterns and Control of Optical Turbulence by Fourier Plane Filtering. Physical Review Letters, 1998, 80, 3499-3502.	2.9	77
35	Two-dimensional lattice of blue-detuned atom traps using a projected Gaussian beam array. Physical Review A, 2013, 88, .	1.0	77
36	Decay of High Order Optical Vortices in Anisotropic Nonlinear Optical Media. Physical Review Letters, 1997, 78, 2108-2111.	2.9	76

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37	Coherence and Rydberg Blockade of Atomic Ensemble Qubits. <i>Physical Review Letters</i> , 2015, 115, 093601.	2.9	75
38	Fidelity of a Rydberg-blockade quantum gate from simulated quantum process tomography. <i>Physical Review A</i> , 2012, 85, .	1.0	74
39	Quantum gates in mesoscopic atomic ensembles based on adiabatic passage and Rydberg blockade. <i>Physical Review A</i> , 2013, 88, .	1.0	73
40	Vortex Evolution and Bound Pair Formation in Anisotropic Nonlinear Optical Media. <i>Physical Review Letters</i> , 1996, 77, 4544-4547.	2.9	72
41	Zeros of Rydberg-Rydberg Föster interactions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, S309-S319.	0.6	71
42	Atomic Fock State Preparation Using Rydberg Blockade. <i>Physical Review Letters</i> , 2014, 112, 043602.	2.9	71
43	High-fidelity Rydberg-blockade entangling gate using shaped, analytic pulses. <i>Physical Review A</i> , 2016, 94, .	1.0	70
44	Propagation of Light Beams in Photorefractive Media: Fanning, Self-Bending, and Formation of Self-Pumped Four-Wave-Mixing Phase Conjugation Geometries. <i>Physical Review Letters</i> , 1994, 73, 818-821.	2.9	66
45	Magneto-optical trapping of holmium atoms. <i>Physical Review A</i> , 2014, 89, .	1.0	65
46	Entangling single- and N-atom qubits for fast quantum state detection and transmission. <i>Physical Review A</i> , 2005, 72, .	1.0	64
47	Rydberg blockade, Föster resonances, and quantum state measurements with different atomic species. <i>Physical Review A</i> , 2015, 92, .	1.0	60
48	Break-up of two-dimensional bright spatial solitons due to transverse modulation instability. <i>Europhysics Letters</i> , 1996, 35, 25-30.	0.7	59
49	Hybrid atom-photon quantum gate in a superconducting microwave resonator. <i>Physical Review A</i> , 2014, 89, .	1.0	59
50	Symmetric Rydberg controlled- $Z$ gates with adiabatic pulses. <i>Physical Review A</i> , 2020, 101, .	1.0	59
51	Nondestructive Probing of Rabi Oscillations on the Cesium Clock Transition near the Standard Quantum Limit. <i>Physical Review Letters</i> , 2008, 100, 103601.	2.9	56
52	Microwave-to-optical frequency conversion using a cesium atom coupled to a superconducting resonator. <i>Physical Review A</i> , 2017, 96, .	1.0	55
53	Two-qubit gates using adiabatic passage of the Stark-tuned Föster resonances in Rydberg atoms. <i>Physical Review A</i> , 2016, 94, .	1.0	51
54	Crossed vortex bottle beam trap for single-atom qubits. <i>Optics Letters</i> , 2012, 37, 851.	1.7	50

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55	Propagation of a mutually incoherent optical vortex pair in anisotropic nonlinear media. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, S318-S322.	1.4	47
56	Independent individual addressing of multiple neutral atom qubits with a micromirror-based beam steering system. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	47
57	Parallel Low-Loss Measurement of Multiple Atomic Qubits. <i>Physical Review Letters</i> , 2017, 119, 180504.	2.9	46
58	Spin squeezing of atomic ensembles by multicolor quantum nondemolition measurements. <i>Physical Review A</i> , 2009, 79, .	1.0	45
59	Fast three-qubit Toffoli quantum gate based on three-body FÃ¶rster resonances in Rydberg atoms. <i>Physical Review A</i> , 2018, 98, .	1.0	45
60	Efficient Grover search with Rydberg blockade. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 184016.	0.6	44
61	Interaction of spatial photorefractive solitons. <i>Quantum and Semiclassical Optics: Journal of the European Optical Society Part B</i> , 1998, 10, 823-837.	1.0	40
62	Self-Induced Dipole Force and Filamentation Instability of a Matter Wave. <i>Physical Review Letters</i> , 1998, 81, 65-68.	2.9	40
63	Error Correction in Ensemble Registers for Quantum Repeaters and Quantum Computers. <i>Physical Review Letters</i> , 2008, 100, 110506.	2.9	39
64	Microwave-to-optical conversion via four-wave mixing in a cold ytterbium ensemble. <i>Physical Review A</i> , 2019, 100, .	1.0	37
65	Phase-dependent collisions of (2+1) -dimensional spatial solitons. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 2079.	0.9	36
66	Rydberg state mediated quantum gates and entanglement of pairs of neutral atoms. <i>Journal of Physics: Conference Series</i> , 2011, 264, 012023.	0.3	36
67	Pattern formation in singly resonant second-harmonic generation with competing parametric oscillation. <i>Physical Review A</i> , 1999, 60, 3251-3261.	1.0	35
68	Microwave to optical conversion with atoms on a superconducting chip. <i>New Journal of Physics</i> , 2019, 21, 073033.	1.2	34
69	Analysis of a controlled phase gate using circular Rydberg states. <i>Physical Review A</i> , 2013, 88, .	1.0	31
70	Comparison of Gaussian and super Gaussian laser beams for addressing atomic qubits. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	31
71	Spontaneous pattern formation in a thin film of bacteriorhodopsin with mixed absorptiveâ€“dispersive nonlinearity. <i>Optics Letters</i> , 1995, 20, 551.	1.7	30
72	Sensitivity of Dropsizes Measurements by Phase Doppler Anemometry to Refractive Index Changes in Combusting Fuel Sprays. , 1991, , 227-247.		28

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73	Lipkin model on a quantum computer. <i>Physical Review C</i> , 2021, 104, .	1.1	28
74	Improved Error Thresholds for Measurement-Free Error Correction. <i>Physical Review Letters</i> , 2016, 117, 130503.	2.9	26
75	Circular solitons do not exist in photorefractive media. <i>Optics Letters</i> , 1998, 23, 1579.	1.7	25
76	Universal quantum computation in a neutral-atom decoherence-free subspace. <i>Physical Review A</i> , 2007, 75, .	1.0	25
77	Photon-recoil and laser-focusing limits to Rydberg gate fidelity. <i>Physical Review A</i> , 2021, 103, .	1.0	25
78	Two-dimensional modulational instability in photorefractive media. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, S397-S403.	1.4	24
79	Quantum computing with neutral atoms. <i>National Science Review</i> , 2019, 6, 24-25.	4.6	23
80	Parametric studies of a side wall quench layer. <i>Combustion and Flame</i> , 1984, 55, 141-159.	2.8	22
81	Velocity and Drop Size Measurements in Fuel Sprays in a direct injection diesel engine. <i>Particle and Particle Systems Characterization</i> , 1990, 7, 160-168.	1.2	22
82	Observation of self-pulsing in singly resonant optical second-harmonic generation with competing nonlinearities. <i>Physical Review A</i> , 2002, 65, .	1.0	22
83	Self-organizing photorefractive frequency demultiplexer. <i>Optics Letters</i> , 1991, 16, 1993.	1.7	21
84	Modification of pattern formation in doubly resonant second-harmonic generation by competing parametric oscillation. <i>Optics Letters</i> , 2000, 25, 654.	1.7	21
85	CO2 laser based two-volume collective scattering instrument for spatially localized turbulence measurements. <i>Review of Scientific Instruments</i> , 2001, 72, 2579-2592.	0.6	21
86	Doubly Magic Optical Trapping for Cs Atom Hyperfine Clock Transitions. <i>Physical Review Letters</i> , 2016, 117, 150801.	2.9	21
87	Multiple-pattern stability in a photorefractive feedback system. <i>Applied Physics B: Lasers and Optics</i> , 1999, 69, 429-433.	1.1	20
88	Spiral Intensity Patterns in the Internally Pumped Optical Parametric Oscillator. <i>Physical Review Letters</i> , 2000, 85, 4506-4509.	2.9	20
89	Experimental study of nonlinear focusing in a magneto-optical trap using a Z-scan technique. <i>Physical Review A</i> , 2004, 70, .	1.0	20
90	Simulated quantum process tomography of quantum gates with Rydberg superatoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 114007.	0.6	20

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91	Reducing the sensitivity of Rydberg atoms to dc electric fields using two-frequency ac field dressing. <i>Physical Review A</i> , 2018, 97, .	1.0	20
92	Application of adiabatic passage in Rydberg atomic ensembles for quantum information processing. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 182001.	0.6	20
93	Mode multiplexing and holographic demultiplexing communication channels on a multimode fiber. <i>Optics Letters</i> , 1991, 16, 300.	1.7	19
94	Pattern formation in a linear photorefractive oscillator. <i>Optics Communications</i> , 1996, 128, 281-286.	1.0	19
95	Time-dependent evolution of an optical vortex in photorefractive media. <i>Physical Review A</i> , 1997, 56, R1713-R1716.	1.0	18
96	Selecting optical patterns with spatial phase modulation. <i>Optics Letters</i> , 1999, 24, 1118.	1.7	18
97	Measurement of holmium Rydberg series through magneto-optical trap depletion spectroscopy. <i>Physical Review A</i> , 2015, 91, .	1.0	18
98	Transverse instability of counterpropagating waves in photorefractive media. <i>Physical Review A</i> , 1993, 48, 3209-3215.	1.0	17
99	Long working distance objective lenses for single atom trapping and imaging. <i>Review of Scientific Instruments</i> , 2016, 87, 073107.	0.6	17
100	Transverse modulational instability of counterpropagating quasi-phase-matched beams in a quadratically nonlinear medium. <i>Optics Letters</i> , 1998, 23, 1650.	1.7	16
101	Spatiotemporal structures in the internally pumped optical parametric oscillator. <i>Physical Review A</i> , 2001, 63, .	1.0	16
102	Quantum properties of transverse pattern formation in second-harmonic generation. <i>Physical Review A</i> , 2002, 66, .	1.0	16
103	Addressing atoms in optical lattices with Bessel beams. <i>Optics Letters</i> , 2004, 29, 1016.	1.7	16
104	Coherent control of mesoscopic atomic ensembles for quantum information. <i>Laser Physics</i> , 2014, 24, 074013.	0.6	16
105	Fully interconnected, two-dimensional neural arrays using wavelength-multiplexed volume holograms. <i>Optics Letters</i> , 1991, 16, 826.	1.7	15
106	Modulational instability and pattern formation in the field of noncollinear pump beams. <i>Optics Letters</i> , 1997, 22, 283.	1.7	15
107	Generation of 14.0â€‰W of single-frequency light at 770â€‰nm by intracavity frequency doubling. <i>Optics Letters</i> , 2020, 45, 339.	1.7	15
108	Simple, passive design for large optical trap arrays for single atoms. <i>Physical Review A</i> , 2022, 105, .	1.0	15

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109	Hexagonal optical patterns in anisotropic non-linear media. <i>Europhysics Letters</i> , 1996, 34, 669-674.	0.7	14
110	Collapse in a forced three-dimensional nonlinear Schrödinger equation. <i>Physical Review E</i> , 2000, 62, 5793-5796.	0.8	14
111	Changes in density fluctuations associated with confinement transitions close to a rational edge rotational transform in the W7-AS stellarator. <i>Plasma Physics and Controlled Fusion</i> , 2002, 44, 1581-1607.	0.9	14
112	Theory of long-range interactions for Rydberg states attached to hyperfine-split cores. <i>Physical Review A</i> , 2018, 97, .	1.0	14
113	Fourier control of pattern formation in an interferometric feedback configuration. <i>Optics Communications</i> , 1999, 170, 129-136.	1.0	13
114	Optimized coplanar waveguide resonators for a superconductor-atom interface. <i>Applied Physics Letters</i> , 2016, 109, 092602.	1.5	13
115	Nonlinear analysis of pattern formation in singly resonant second-harmonic generation. <i>Optics Communications</i> , 2000, 184, 493-505.	1.0	12
116	Low- and high-mode separation of short wavelength turbulence in dithering Wendelstein 7-AS plasmas. <i>Physics of Plasmas</i> , 2002, 9, 3035-3049.	0.7	12
117	Speed, retention loss, and motional heating of atoms in an optical conveyor belt. <i>Physical Review A</i> , 2020, 101, .	1.0	12
118	Double phase-conjugate mirror: convection and diffraction. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1995, 12, 255.	0.9	11
119	Transverse modulational instability in counterpropagating two-wave mixing with frequency-detuned pump beams. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2001, 18, 628.	0.9	11
120	Doppler-free, multiwavelength acousto-optic deflector for two-photon addressing arrays of Rb atoms in a quantum information processor. <i>Applied Optics</i> , 2008, 47, 1816.	2.1	11
121	Grover search algorithm with Rydberg-blockaded atoms: quantum Monte Carlo simulations. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 094004.	0.6	11
122	Spatial distribution of turbulence in the Wendelstein 7-AS stellarator. <i>Plasma Sources Science and Technology</i> , 2002, 11, A138-A142.	1.3	10
123	Freedom of the mixer rotation axis improves performance in the quantum approximate optimization algorithm. <i>Physical Review A</i> , 2021, 104, .	1.0	10
124	Manipulation of optical patterns by frequency detuning of the pump beams. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2001, 3, 318-327.	1.4	9
125	Spatial quantum noise in singly resonant second-harmonic generation. <i>Optics Letters</i> , 2002, 27, 110.	1.7	9
126	Two-dimensional atomic lithography by submicrometer focusing of atomic beams. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 1161.	0.9	9



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127	Entanglement of Two Atoms Using Rydberg Blockade. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2012, 61, 81-115.	2.3	9
128	Topology-preserving mappings in a self-imaging photorefractively pumped ring resonator. <i>Chaos, Solitons and Fractals</i> , 1994, 4, 2077-2092.	2.5	8
129	Stability analysis of two photorefractive ring resonator circuits: the flip-flop and the feature extractor. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1995, 12, 1036.	0.9	8
130	Z-scan formula for two-level atoms. <i>Optics Communications</i> , 2004, 241, 513-520.	1.0	8
131	Intensity correlations and entanglement by frequency doubling in a two-port resonator. <i>Physical Review A</i> , 2006, 74, .	1.0	8
132	Efficient generation of optical bottle beams. <i>Nanophotonics</i> , 2021, 10, 2893-2901.	2.9	7
133	Manipulating the information carried by an optical beam with reflexive photorefractive beam coupling. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1995, 12, 117.	0.9	6
134	Observation of spatial modulation instability in intracavity second-harmonic generation. <i>Optics Letters</i> , 2003, 28, 31.	1.7	6
135	Impacts of random filling on spin squeezing via Rydberg dressing in optical clocks. <i>Physical Review A</i> , 2021, 103, .	1.0	6
136	A combined Doppler and time-of-flight laser anemometer for measurement of density fluctuations in plasmas. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1996, 58, 1013-1019.	0.9	5
137	Spatial quantum noise in singly resonant second-harmonic generation: <i>â€ferrata</i> . <i>Optics Letters</i> , 2002, 27, 551.	1.7	5
138	Absolute instability and pattern formation in cold atomic vapors. , 2005, , .		5
139	Spatial Coherence of Light in Collective Spontaneous Emission. <i>PRX Quantum</i> , 2022, 3, .	3.5	5
140	Optical vortex patterns in a unidirectional ring oscillator. <i>Physica Scripta</i> , 1996, T67, 21-25.	1.2	4
141	The next step in making arrays of single atoms. <i>Nature</i> , 2019, 567, 468-470.	13.7	4
142	Creation, doubling and splitting of vortices in intracavity second harmonic generation. <i>Journal of Optics</i> , 2004, 6, 486-489.	1.5	3
143	Publisher's Note: Entangling single- and N-atom qubits for fast quantum state detection and transmission [Phys. Rev. A 72, 042302 (2005)]. <i>Physical Review A</i> , 2005, 72, .	1.0	3
144	Coupled Propagation of Light and Matter Waves: Solitons and Transverse Instabilities. <i>Springer Series in Optical Sciences</i> , 2001, , 433-447.	0.5	3

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145	Photorefractive Materials, Effects, and Devices: introduction to feature issue. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 1968.	0.9	2
146	Observation of twin beam correlations and quadrature entanglement by frequency doubling in a two-port resonator. Europhysics Letters, 2007, 78, 40004.	0.7	2
147	Compression and localization of an atomic cloud in a time dependent optical lattice. Journal of Modern Optics, 2008, 55, 2187-2201.	0.6	2
148	Collective Focusing and Modulational Instability of Light and Cold Atoms. Lecture Notes in Physics, 2008, , 1-20.	0.3	2
149	On the optimum spatial code of a laser anemometer. Optics Communications, 1995, 116, 300-306.	1.0	1
150	Multiconical emission of a monolithic mini-cavity optical parametric oscillator. Optics Communications, 2005, 251, 165-171.	1.0	1
151	Ultrafast diffractive optical micro-trap arrays for neutral atom quantum computing. Proceedings of SPIE, 2012, , .	0.8	1
152	Two dimensional modulational instability in photorefractive media. , 2004, , .		1
153	Control of mutual spatial coherence of temporal features by reflexive photorefractive coupling. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 41.	0.9	0
154	Spatially Resolved Measurements of Density Fluctuations with a Hybrid Doppler/time-of-Flight Laser Anemometer. , 1996, , .		0
155	Transfer of temporal fluctuations in photorefractive two-beam coupling. Applied Physics Letters, 1997, 70, 1494-1496.	1.5	0
156	Laser anemometry based on collective scattering: the effects of propagating and nonpropagating fluctuations. Optics and Lasers in Engineering, 1997, 27, 531-542.	2.0	0
157	Suppressing The Transition To Turbulence in a Strongly Pumped Pattern Formation Experiment. , 0, , .		0
158	Spatial patterns in second harmonic generation. , 0, , .		0
159	Multiconical transverse patterns of monolithic mini-cavity optical parametric oscillator. , 0, , .		0
160	Multiconical transverse patterns of monolithic mini-cavity optical parametric oscillator. , 2005, , .		0
161	Analysis of twin beam generation by frequency doubling in a dual ported resonator. , 0, , .		0
162	Instabilities and pattern formation of coupled nonlinear fields: classical and quantum signatures. , 0, , .		0

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163	Analysis of EPR correlated twin beam generation by frequency doubling in a dual ported resonator. , 2006, , .		0
164	Enhanced stability of nonlocal solitons in saturable focusing media. , 2007, , .		0
165	A quantum telecom link. Nature Physics, 2010, 6, 838-839.	6.5	0
166	Towards scalable quantum information processing with cold atoms and Rydberg blockade. Proceedings of SPIE, 2015, , .	0.8	0
167	Atomic Qubits. Graduate Texts in Physics, 2021, , 221-251.	0.1	0
168	Manipulation of optical patterns by frequency detuning of the pump beams. , 2001, , .		0
169	Mutual self-focusing and modulational instability in cold atomic vapors. , 2005, , .		0
170	Modulational instability in quadratic media in a quasi self-imaging resonator. , 2005, , .		0
171	Deterministic Entanglement of Two Neutral Atoms Using Rydberg Blockade. , 2010, , .		0
172	Self-organizing photorefractive frequency demultiplexer. , 1995, , 559-561.		0
173	Multiple stability and pattern control in a photorefractive feedback system. , 1999, , .		0
174	Diffraction chips for magneto-optical trapping of two atomic species. , 2020, , .		0