

# Hari Prakash

## List of Publications by Year in descending order

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papers

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623574

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docs citations

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times ranked

193  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled Bidirectional Quantum Teleportation of Superposed Coherent State Using Five-mode Cluster-type Entangled Coherent State as a Resource. International Journal of Theoretical Physics, 2022, 61, 1.	0.5	3
2	Squeezing of Longitudinal Spin Component in Spin Coherent State. The National Academy of Sciences, India, 2021, 44, 443-445.	0.8	0
3	Ququats as superposition of coherent states and their application in quantum information processing. International Journal of Quantum Information, 2021, 19, 2150013.	0.6	0
4	High success perfect transmission of 1-qubit information using purposefully delayed sharing of non-maximally entangled 2-qubit resource and repeated generalized Bell-state measurements. International Journal of Quantum Information, 2021, 19, 2150015.	0.6	3
5	High success standard quantum teleportation using entangled coherent state and two-level atoms in cavities. Quantum Information Processing, 2021, 20, 1.	1.0	8
6	Controlled Quantum Teleportation of Superposed Coherent State Using GHZ Entangled Coherent State. International Journal of Theoretical Physics, 2019, 58, 3342-3351.	0.5	6
7	Controlled Entanglement Diversion Using GHZ Type Entangled Coherent State. International Journal of Theoretical Physics, 2019, 58, 1227-1236.	0.5	6
8	Quantum analysis of a beam splitter with second-order nonlinearity and generation of nonclassical light. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1552.	0.9	12
9	Simultaneous higher-order Hongâ€“Mandel's squeezing and higher-order sub-Poissonian photon statistics in superposed coherent states. Optik, 2016, 127, 4826-4830.	1.4	2
10	Quantum Discord and Entanglement of Quasi-Werner States Based on Bipartite Entangled Coherent States. International Journal of Theoretical Physics, 2016, 55, 2735-2745.	0.5	6
11	Standard Quantum Teleportation and Controlled Quantum Teleportation of an Arbitrary N-Qubit Information State. International Journal of Theoretical Physics, 2016, 55, 2061-2070.	0.5	34
12	Two-way quantum communication: Generalization of secure quantum information exchange to quantum network. Pramana - Journal of Physics, 2016, 86, 515-526.	0.9	5
13	Long distance atomic teleportation with as good success as desired. Annals of Physics, 2015, 360, 462-476.	1.0	4
14	Quantum Teleportation of Single Qubit Mixed Information using Werner-Like State as Resource. , 2014, , ,		4
15	Bipartite coherent-state quantum key distribution with strong reference pulse. Quantum Information Processing, 2013, 12, 907-920.	1.0	4
16	NOISE IN SWAPPING BETWEEN TWO PAIRS OF NON-ORTHOGONAL ENTANGLED COHERENT STATES. Modern Physics Letters B, 2013, 27, 1350017.	1.0	7
17	Degree of polarization in quantum optics through the second generalization of intensity. Physical Review A, 2013, 87, .	1.0	7
18	On the polarization of non-Gaussian optical quantum field: Higher-order optical-polarization. Annals of Physics, 2013, 333, 198-205.	1.0	6

#	ARTICLE	IF	CITATIONS
19	Non-existence of magic basis and existence of magic partial bases for $2 \times N$ entangled qubit states with $N \geq 1$ . Journal of Physics A: Mathematical and Theoretical, 2012, 45, 395306.	0.7	1
20	Teleportation of superposed coherent states using nonmaximally entangled resources. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2915.	0.9	7
21	Minimum assured fidelity and minimum average fidelity in quantum teleportation of single qubit using non-maximally entangled states. Quantum Information Processing, 2012, 11, 1951-1959.	1.0	22
22	Quantum teleportation using entangled 3-qubit states and the "magic bases"™. Optics Communications, 2011, 284, 5024-5030.	1.0	16
23	Two-way quantum communication: "secure quantum information exchange"™. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 115504.	0.6	8
24	Non-classical properties of superposition of two coherent states having phase difference $\pi$ . Optik, 2011, 122, 1058-1060.	1.4	15
25	Higher-order Hong "Mandel's squeezing in superposed coherent states. Optics Communications, 2011, 284, 289-293.	1.0	6
26	Quantum teleportation. Indian Journal of Physics, 2010, 84, 1021-1029.	0.9	9
27	Intensity-dependent change in polarization state of light in normal incidence on an isotropic nonlinear Kerr medium. Pramana - Journal of Physics, 2010, 74, 441-446.	0.9	0
28	ALMOST PERFECT TELEPORTATION USING 4-PARTITE ENTANGLED STATES. International Journal of Modern Physics B, 2010, 24, 3383-3394.	1.0	12
29	IMPROVING THE ENTANGLEMENT DIVERSION BETWEEN TWO PAIRS OF ENTANGLED COHERENT STATES. International Journal of Modern Physics B, 2010, 24, 3331-3339.	1.0	9
30	Teleportation of a two-mode entangled coherent state encoded with two-qubit information. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 185501.	0.6	15
31	Sub-Poissonian photon statistics of light in interaction of two-level atoms in superposed states with a single mode superposed coherent radiation. Canadian Journal of Physics, 2010, 88, 181-188.	0.4	5
32	Generation of nonclassical optical fields by a beam splitter with third-order nonlinearity. Optics Letters, 2010, 35, 2212.	1.7	11
33	DETECTION OF AMPLITUDE-SQUARED SQUEEZING VIA HOMODYNE METHOD. International Journal of Modern Physics B, 2010, 24, 5547-5551.	1.0	6
34	Quantum Teleportation. , 2009, , .		9
35	ENTANGLEMENT DIVERSION BETWEEN TWO PAIRS OF ENTANGLED COHERENT STATES: FIDELITY AND DECOHERENCE. International Journal of Modern Physics B, 2009, 23, 585-595.	1.0	12
36	SWAPPING BETWEEN TWO PAIRS OF NONORTHOGONAL ENTANGLED COHERENT STATES. International Journal of Modern Physics B, 2009, 23, 2083-2092.	1.0	18

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37	COLLAPSES AND REVIVALS IN TWO-LEVEL ATOMS IN A SUPERPOSED STATE INTERACTING WITH A SINGLE MODE SUPERPOSED COHERENT RADIATION. International Journal of Modern Physics B, 2008, 22, 2725-2739.	1.0	2
38	Change in coherence properties and degree of polarization of light propagating in a lossless isotropic nonlinear Kerr medium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 045401.	0.6	9
39	ORDINARY SQUEEZING AND AMPLITUDE-SQUARED SQUEEZING OF A SINGLE MODE COHERENT RADIATION IN INTERACTION WITH TWO TWO-LEVEL ATOMS. International Journal of Modern Physics B, 2007, 21, 3621-3642.	1.0	10
40	A GENERALIZED CONDITION FOR TELEPORTATION OF THE QUANTUM STATE OF AN ASSEMBLY OF N TWO-LEVEL SYSTEM. Modern Physics Letters B, 2007, 21, 2019-2023.	1.0	13
41	Effect of decoherence on fidelity in teleportation using entangled coherent states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 1613-1626.	0.6	33
42	Higher order sub-Poissonian photon statistics and their use in detection of Hong and Mandel squeezing and amplitude-squared squeezing. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 2531-2532.	0.6	16
43	Influence of a symmetric lossless beam splitter on a non-classical feature of an optical field. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2007, 103, 145-147.	0.2	11
44	Higher order sub-Poissonian photon statistics and their use in detection of Hong and Mandel squeezing and amplitude-squared squeezing. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 2291-2297.	0.6	45
45	A SCALING LAW FOR AMPLITUDE-SQUARED SQUEEZING IN KERR EFFECT. International Journal of Modern Physics B, 2006, 20, 1458-1464.	1.0	6
46	Simultaneous squeezing of two orthogonal spin components. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S757-S760.	1.4	14
47	Equivalence of second-order sub-Poissonian statistics and fourth-order squeezing for intense light. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S786-S788.	1.4	10
48	An example of enhancement of a non-classical feature of a light beam by mixing with another classical light beam using a beam splitter. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 665-670.	0.6	20
49	Maximum simultaneous squeezing and antibunching in superposed coherent states. Physica A: Statistical Mechanics and Its Applications, 2004, 341, 201-207.	1.2	14
50	Squeezing in superposed coherent states. Physica A: Statistical Mechanics and Its Applications, 2003, 319, 305-310.	1.2	15
51	CHANGE IN THE POLARIZATION STATE AND THE INTENSITY OF A WEAK LIGHT BEAM IN A LOSSY ISOTROPIC NONLINEAR MEDIUM IN THE PRESENCE OF AN INTENSE CO-PROPAGATING LIGHT BEAM. Modern Physics Letters B, 2002, 16, 955-962.	1.0	4
52	Operator for Optical Polarization. Journal of the Physical Society of Japan, 2000, 69, 284-285.	0.7	14
53	EXACT SOLUTION OF SLOWLY VARYING ENVELOPE APPROXIMATION EQUATIONS FOR PLANE WAVE PROPAGATION OF LIGHT IN LOSSY ISOTROPIC NONLINEAR MEDIUM. Modern Physics Letters B, 2000, 14, 47-51.	1.0	6
54	Squeezing of a Weak Light Beam Using Interaction with an Intense Light Beam in a Kerr Medium. , 1993, , 247-249.		0

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55	Second Harmonic Generation in a Free Electron Laser. <i>Optica Acta</i> , 1981, 28, 1673-1678.	0.7	0
56	Chirped Steady $\mu$ -pulses of Light of an Arbitrary Duration in a Lossy, Exactly Resonant Inverted Medium. <i>Optica Acta</i> , 1979, 26, 405-408.	0.7	0
57	Resonant Scattering of Intense Beam of Radiation by N-Atoms Contained in a Small Volume. <i>Journal of the Physical Society of Japan</i> , 1977, 42, 947-953.	0.7	2
58	Density operator of unpolarized radiation. <i>Physical Review A</i> , 1974, 9, 1021-1021.	1.0	12
59	Conversion of random-phase light into phase-coherent light. <i>Physical Review A</i> , 1974, 9, 2167-2169.	1.0	13
60	Representation of density operators for optical fields having Gaussian quasiprobability functions. <i>Annals of Physics</i> , 1974, 85, 1-10.	1.0	5
61	Second harmonic generation in scattering of intense beam of radiation by bound electrons near-resonance. <i>European Physical Journal A</i> , 1974, 271, 211-215.	1.0	5
62	Regularized PRepresentation. <i>Physical Review D</i> , 1973, 7, 1936-1937.	1.6	2
63	Nonlinear Scattering of Partially Coherent Radiation by Free Electrons. <i>Journal of the Physical Society of Japan</i> , 1971, 31, 326-330.	0.7	0
64	Second-harmonic generation in scattering of partially coherent radiation by anharmonically bound electrons. <i>Physica</i> , 1971, 53, 109-116.	0.9	2
65	Density Operator of Unpolarized Radiation. <i>Physical Review A</i> , 1971, 4, 796-799.	1.0	63
66	Coherence and nonlinear scattering of radiation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1970, 31, 331-332.	0.9	8
67	Conical refraction of light in isotropic nonlinear dielectric in presence of another intense light beam. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1970, 31, 506-507.	0.9	8
68	Nonlinear Polarization of a Dielectric Containing Anharmonically Bound Electrons. <i>Journal of the Physical Society of Japan</i> , 1970, 28, 809-809.	0.7	1
69	Intensity-Dependent Frequency Shift in Thomson Scattering. <i>Journal of the Physical Society of Japan</i> , 1970, 29, 1402A-1402A.	0.7	1
70	Anticorrelation in Two-Photon Attenuated Laser Beam. <i>Physical Review A</i> , 1970, 1, 1696-1698.	1.0	50
71	Boundary Conditions in Electrodynamics. <i>American Journal of Physics</i> , 1970, 38, 1487-1487.	0.3	9
72	Quantum Statistics of One-Photon Interaction of Light With Matter. <i>Physical Review Letters</i> , 1969, 22, 1068-1071.	2.9	11

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73	Scattering of a laser beam by bound electrons into their natural frequency. Physics Letters, Section A: General, Atomic and Solid State Physics, 1968, 27, 332-333.	0.9	2
74	Coherence Functions of Order $N, M$ with $N \neq M$ . Journal of the Physical Society of Japan, 1968, 24, 1411-1411.	0.7	2
75	Interactions of Electrons in the Field of a Background Monochromatic Electromagnetic Wave: Quantum Intensity-Dependent Frequency Shift. Journal of the Physical Society of Japan, 1968, 25, 615-616.	0.7	0
76	Nonlinear Polarization of Dielectric. Physical Review Letters, 1967, 18, 458-459.	2.9	4
77	Effect of radiation reaction on the non-linear scattering of electromagnetic waves by free electrons. Physics Letters, Section A: General, Atomic and Solid State Physics, 1967, 24, 492-493.	0.9	7
78	Spectral-Profile of Second Harmonic in Compton Scattering. Journal of the Physical Society of Japan, 1967, 23, 1427-1427.	0.7	2