

Yanhong Xiao

List of Publications by Year in descending order

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35
papers

1,375
citations

566801

15
h-index

525886

27
g-index

35
all docs

35
docs citations

35
times ranked

1543
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-parityâ€time symmetry with flying atoms. Nature Physics, 2016, 12, 1139-1145.	6.5	298
2	Surface Plasmon Resonance Enhanced Magneto-Optics (SuPREMO): Faraday Rotation Enhancement in Gold-Coated Iron Oxide Nanocrystals. Nano Letters, 2009, 9, 1644-1650.	4.5	281
3	Entanglement on an optical atomic-clock transition. Nature, 2020, 588, 414-418.	13.7	118
4	Diffusion-Induced Ramsey Narrowing. Physical Review Letters, 2006, 96, 043601.	2.9	103
5	Subnatural-linewidth biphotons from a Doppler-broadened hot atomic vapour cell. Nature Communications, 2016, 7, 12783.	5.8	85
6	Spin squeezing of 1011 atoms by prediction and retrodiction measurements. Nature, 2020, 581, 159-163.	13.7	83
7	Near-Unitary Spin Squeezing in γ -Ray Scattering. Physical Review Letters, 2019, 122, 223202.	2.9	68
8	Slow Light Beam Splitter. Physical Review Letters, 2008, 101, 043601.	2.9	57
9	Electromagnetically induced transparency with noisy lasers. Physical Review A, 2009, 80, .	1.0	31
10	Repeated interaction model for diffusion-induced Ramsey narrowing. Optics Express, 2008, 16, 14128.	1.7	30
11	Reservoir-Mediated Quantum Correlations in Non-Hermitian Optical System. Physical Review Letters, 2020, 124, 030401.	2.9	30
12	Two-axis-twisting spin squeezing by multipass quantum erasure. Physical Review A, 2017, 96, .	1.0	22
13	SPECTRAL LINE NARROWING IN ELECTROMAGNETICALLY INDUCED TRANSPARENCY. Modern Physics Letters B, 2009, 23, 661-680.	1.0	21
14	Nonreciprocity and Quantum Correlations of Light Transport in Hot Atoms via Reservoir Engineering. Physical Review Letters, 2021, 126, 223603.	2.9	21
15	Geometrically asymmetric optical cavity for strong atom-photon coupling. Physical Review A, 2019, 99, .	1.0	17
16	Retrodiction beyond the Heisenberg uncertainty relation. Nature Communications, 2020, 11, 5658.	5.8	16
17	Tuning the phase sensitivity of a double-lambda system with a static magnetic field. Optics Express, 2013, 21, 11705.	1.7	15
18	Sub-Hertz resonance by weak measurement. Nature Communications, 2020, 11, 1752.	5.8	14

#	ARTICLE	IF	CITATIONS
19	Excess optical quantum noise in atomic sensors. <i>Physical Review A</i> , 2015, 91, .	1.0	12
20	Coherence-Assisted Resonance with Sub-Transit-Limited Linewidth. <i>Physical Review Letters</i> , 2012, 109, 233006.	2.9	10
21	Spatial Multiplexing of Squeezed Light by Coherence Diffusion. <i>Physical Review Letters</i> , 2019, 123, 203604.	2.9	10
22	Transition linewidth of cross correlations in random intensity fluctuations in electromagnetically induced transparency. <i>Physical Review A</i> , 2014, 89, .	1.0	7
23	Optimizing slow and stored light for multidisciplinary applications. , 2008, , .		6
24	A novel compensating light injection configuration for gain-clamped EDFA's. <i>IEEE Photonics Technology Letters</i> , 2000, 12, 789-791.	1.3	5
25	Adiabaticity in state preparation for spin squeezing of large atom ensembles. <i>Photonics Research</i> , 2021, 9, 2296.	3.4	4
26	Slow light and EIT under realistic (imperfect) conditions. <i>Proceedings of SPIE</i> , 2009, , .	0.8	3
27	Optimization of slow and stored light in atomic vapor. , 2007, 6482, 121.		2
28	Resolving multiple peaks using a sub-transit-linewidth cross-correlation resonance. <i>Physical Review A</i> , 2014, 89, .	1.0	2
29	Dichroism and birefringence optical atomic magnetometer with or without self-generated light squeezing. <i>Applied Physics Letters</i> , 2021, 119, 054001.	1.5	2
30	Conversion of phase noise to intensity noise in electromagnetically induced transparency. , 2010, , .		1
31	Amplified slow light beam splitter and 1Âs optical memory. <i>Optical Engineering</i> , 2014, 53, 102703.	0.5	1
32	Slow and fast light in a phase sensitive system. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
33	Laser Frequency Modulation Technique for Power-broadening-free Spectroscopy. , 2010, , .		0
34	Observation of parity-time symmetry in an optical system formed by moving atoms. , 2014, , .		0
35	Sub-Hertz Resonance by Weak Measurement. , 2019, , .		0