Yanhong Xiao

List of Publications by Year
in descending order

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		566801	525886
35	1,375	15	27
papers	citations	h-index	g-index

35	35	35	1543
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonreciprocity and Quantum Correlations of Light Transport in Hot Atoms via Reservoir Engineering. Physical Review Letters, 2021, 126, 223603.	2.9	21
2	Dichroism and birefringence optical atomic magnetometer with or without self-generated light squeezing. Applied Physics Letters, 2021, 119, 054001.	1.5	2
3	Adiabaticity in state preparation for spin squeezing of large atom ensembles. Photonics Research, 2021, 9, 2296.	3.4	4
4	Retrodiction beyond the Heisenberg uncertainty relation. Nature Communications, 2020, 11, 5658.	5.8	16
5	Entanglement on an optical atomic-clock transition. Nature, 2020, 588, 414-418.	13.7	118
6	Spin squeezing of 1011 atoms by prediction and retrodiction measurements. Nature, 2020, 581, 159-163.	13.7	83
7	Reservoir-Mediated Quantum Correlations in Non-Hermitian Optical System. Physical Review Letters, 2020, 124, 030401.	2.9	30
8	Sub-Hertz resonance by weak measurement. Nature Communications, 2020, 11, 1752.	5.8	14
9	Geometrically asymmetric optical cavity for strong atom-photon coupling. Physical Review A, 2019, 99, .	1.0	17
10	Near-Unitary Spin Squeezing in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Yb</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>171</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2019, 122, 223203.	2.9	68
11	Spatial Multiplexing of Squeezed Light by Coherence Diffusion. Physical Review Letters, 2019, 123, 203604.	2.9	10
12	Sub-Hertz Resonance by Weak Measurement. , 2019, , .		0
13	Two-axis-twisting spin squeezing by multipass quantum erasure. Physical Review A, 2017, 96, .	1.0	22
14	Anti-parityâ€“time symmetry with flying atoms. Nature Physics, 2016, 12, 1139-1145.	6.5	298
15	Subnatural-linewidth biphotons from a Doppler-broadened hot atomic vapour cell. Nature Communications, 2016, 7, 12783.	5.8	85
16	Excess optical quantum noise in atomic sensors. Physical Review A, 2015, 91, .	1.0	12
17	Transition linewidth of cross correlations in random intensity fluctuations in electromagnetically induced transparency. Physical Review A, 2014, 89, .	1.0	7
18	Resolving multiple peaks using a sub-transit-linewidth cross-correlation resonance. Physical Review A, 2014, 89, .	1.0	2

#	ARTICLE	IF	CITATIONS
19	Amplified slow light beam splitter and 1Âs optical memory. Optical Engineering, 2014, 53, 102703.	0.5	1
20	Slow and fast light in a phase sensitive system. Proceedings of SPIE, 2014, , .	0.8	0
21	Observation of parity-time symmetry in an optical system formed by moving atoms. , 2014, , .		0
22	Tuning the phase sensitivity of a double-lambda system with a static magnetic field. Optics Express, 2013, 21, 11705.	1.7	15
23	Coherence-Assisted Resonance with Sub-Transit-Limited Linewidth. Physical Review Letters, 2012, 109, 233006.	2.9	10
24	Conversion of phase noise to intensity noise in electromagnetically induced transparency. , 2010, , .		1
25	Laser Frequency Modulation Technique for Power-broadening-free Spectroscopy. , 2010, , .		0
26	SPECTRAL LINE NARROWING IN ELECTROMAGNETICALLY INDUCED TRANSPARENCY. Modern Physics Letters B, 2009, 23, 661-680.	1.0	21
27	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
28	Electromagnetically induced transparency with noisy lasers. Physical Review A, 2009, 80, .	1.0	31
29	Slow light and EIT under realistic (imperfect) conditions. Proceedings of SPIE, 2009, , .	0.8	3
30	Repeated interaction model for diffusion-induced Ramsey narrowing. Optics Express, 2008, 16, 14128.	1.7	30
31	Slow Light Beam Splitter. Physical Review Letters, 2008, 101, 043601.	2.9	57
32	Optimizing slow and stored light for multidisciplinary applications. , 2008, , .		6
33	Optimization of slow and stored light in atomic vapor. , 2007, 6482, 121.		2
34	Diffusion-Induced Ramsey Narrowing. Physical Review Letters, 2006, 96, 043601.	2.9	103
35	A novel compensating light injection configuration for gain-clamped EDFA's. IEEE Photonics Technology Letters, 2000, 12, 789-791.	1.3	5