

# Yi-Hsin Chen

## List of Publications by Year in descending order

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27  
papers

718  
citations

759233

12  
h-index

642732

23  
g-index

27  
all docs

27  
docs citations

27  
times ranked

559  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing the Rydberg EIT spectrum in a thermal vapor. <i>Optics Express</i> , 2022, 30, 1499.	3.4	7
2	Room-temperature biphoton source with a spectral brightness near the ultimate limit. <i>Physical Review Research</i> , 2022, 4, .	3.6	10
3	Numerical study of large cross-phase modulation with stationary light pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 1834.	2.1	1
4	Generation of sub-MHz and spectrally-bright biphotons from hot atomic vapors with a phase mismatch-free scheme. <i>Optics Express</i> , 2021, 29, 4632.	3.4	14
5	Low-loss high-fidelity frequency beam splitter with tunable split ratio based on electromagnetically induced transparency. <i>Physical Review Research</i> , 2021, 3, .	3.6	12
6	Highly Efficient Coherent Optical Memory Based on Electromagnetically Induced Transparency. <i>Physical Review Letters</i> , 2018, 120, 183602.	7.8	175
7	Ultranarrow-bandwidth filter based on a thermal EIT medium. <i>Scientific Reports</i> , 2018, 8, 7959.	3.3	12
8	Enhanced spectral profile in the study of Doppler-broadened Rydberg ensembles. <i>Scientific Reports</i> , 2017, 7, 9726.	3.3	8
9	Rydberg polaritons in a thermal vapor. <i>Physical Review A</i> , 2016, 93, .	2.5	23
10	Large Cross-Phase Modulations at the Few-Photon Level. <i>Physical Review Letters</i> , 2016, 117, 203601.	7.8	58
11	Pulsed Rydberg four-wave mixing with motion-induced dephasing in a thermal vapor. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 18.	2.2	2
12	Interaction between two stopped light pulses. , 2014, , .		0
13	Low-light-level four-wave mixing by quantum interference. <i>Physical Review A</i> , 2014, 89, .	2.5	29
14	High-storage efficiency EIT-based optical memory. , 2014, , .		2
15	Coherent Optical Memory with High Storage Efficiency and Large Fractional Delay. <i>Physical Review Letters</i> , 2013, 110, 083601.	7.8	164
16	Slow and stored light pulses in the presence of magnetic fields. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 2123.	2.1	1
17	Fidelity of electromagnetically-induced-transparency-based optical memory. <i>Physical Review A</i> , 2013, 88, .	2.5	12
18	EIT-based all-optical switching and cross-phase modulation under the influence of four-wave mixing. <i>Optics Express</i> , 2012, 20, 11057.	3.4	16

#	ARTICLE	IF	CITATIONS
19	Enhanced all-optical switching with double slow light pulses. <i>Physical Review A</i> , 2012, 86, .	2.5	8
20	Formation of stationary light in a medium of nonstationary atoms. <i>Physical Review A</i> , 2012, 85, .	2.5	17
21	Demonstration of the Interaction between Two Stopped Light Pulses. <i>Physical Review Letters</i> , 2012, 108, 173603.	7.8	63
22	Dynamics of slow light and light storage in a Doppler-broadened electromagnetically-induced-transparency medium: A numerical approach. <i>Physical Review A</i> , 2011, 83, .	2.5	42
23	An effective thermal-parametrization theory for the slow-light dynamics in a Doppler-broadened electromagnetically induced transparency medium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 165504.	1.5	10
24	Observation of phase variation within stationary light pulses inside a cold atomic medium. <i>Optics Letters</i> , 2010, 35, 151.	3.3	10
25	Optimizing the retrieval efficiency of stored light pulses. <i>Optics Express</i> , 2009, 17, 6665.	3.4	14
26	Direct measurement of the Atom number in a Bose condensate. <i>Optics Express</i> , 2007, 15, 12114.	3.4	7
27	Investigation of alkali vapor diffusion characteristics through microchannels. <i>Physics of Fluids</i> , 0, , .	4.0	1