

# Yi-Hsin Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4034137/publications.pdf>

Version: 2024-02-01

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	Highly Efficient Coherent Optical Memory Based on Electromagnetically Induced Transparency. <i>Physical Review Letters</i> , 2018, 120, 183602.	7.8	175
2	Coherent Optical Memory with High Storage Efficiency and Large Fractional Delay. <i>Physical Review Letters</i> , 2013, 110, 083601.	7.8	164
3	Demonstration of the Interaction between Two Stopped Light Pulses. <i>Physical Review Letters</i> , 2012, 108, 173603.	7.8	63
4	Large Cross-Phase Modulations at the Few-Photon Level. <i>Physical Review Letters</i> , 2016, 117, 203601.	7.8	58
5	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
6	Low-light-level four-wave mixing by quantum interference. <i>Physical Review A</i> , 2014, 89, .	2.5	29
7	Rydberg polaritons in a thermal vapor. <i>Physical Review A</i> , 2016, 93, .	2.5	23
8	Formation of stationary light in a medium of nonstationary atoms. <i>Physical Review A</i> , 2012, 85, .	2.5	17
9	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
10	Optimizing the retrieval efficiency of stored light pulses. <i>Optics Express</i> , 2009, 17, 6665.	3.4	14
11	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
12	Fidelity of electromagnetically-induced-transparency-based optical memory. <i>Physical Review A</i> , 2013, 88, .	2.5	12
13	Ultrannarrow-bandwidth filter based on a thermal EIT medium. <i>Scientific Reports</i> , 2018, 8, 7959.	3.3	12
14	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
15	Observation of phase variation within stationary light pulses inside a cold atomic medium. <i>Optics Letters</i> , 2010, 35, 151.	3.3	10
16	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
17	Room-temperature biphoton source with a spectral brightness near the ultimate limit. <i>Physical Review Research</i> , 2022, 4, .	3.6	10
18	Enhanced all-optical switching with double slow light pulses. <i>Physical Review A</i> , 2012, 86, .	2.5	8

#	ARTICLE	IF	CITATIONS
19	Enhanced spectral profile in the study of Doppler-broadened Rydberg ensembles. Scientific Reports, 2017, 7, 9726.	3.3	8
20	Direct measurement of the Atom number in a Bose condensate. Optics Express, 2007, 15, 12114.	3.4	7
21	Optimizing the Rydberg EIT spectrum in a thermal vapor. Optics Express, 2022, 30, 1499.	3.4	7
22	High-storage efficiency EIT-based optical memory. , 2014, , .		2
23	Pulsed Rydberg four-wave mixing with motion-induced dephasing in a thermal vapor. Applied Physics B: Lasers and Optics, 2016, 122, 18.	2.2	2
24	Slow and stored light pulses in the presence of magnetic fields. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2123.	2.1	1
25	Numerical study of large cross-phase modulation with stationary light pulses. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1834.	2.1	1
26	Investigation of alkali vapor diffusion characteristics through microchannels. Physics of Fluids, 0, , .	4.0	1
27	Interaction between two stopped light pulses. , 2014, , .		0