

# Yan Zhou

## List of Publications by Year in descending order

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17  
papers

867  
citations

840776

11  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Precision Measurement of the Electron's Electric Dipole Moment Using Trapped Molecular Ions. <i>Physical Review Letters</i> , 2017, 119, 153001.	7.8	298
2	Molecular Orientation and Alignment by Intense Single-Cycle THz Pulses. <i>Physical Review Letters</i> , 2011, 107, 163603.	7.8	261
3	A Retro Diels-Alder Route to Diphosphorus Chemistry: Molecular Precursor Synthesis, Kinetics of $P_2$ Transfer to 1,3-Dienes, and Detection of $P_2$ by Molecular Beam Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2014, 136, 13586-13589.	13.7	64
4	Base-by-Base Dynamics in DNA Hybridization Probed by Fluorescence Correlation Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 16947-16952.	13.7	48
5	Experimental Constraint on Axionlike Particles over Seven Orders of Magnitude in Mass. <i>Physical Review Letters</i> , 2021, 126, 171301.	7.8	37
6	Broadband velocity modulation spectroscopy of ThF <sup>+</sup> for use in a measurement of the electron electric dipole moment. <i>Journal of Molecular Spectroscopy</i> , 2016, 319, 1-9.	1.2	26
7	Second-Scale Coherence Measured at the Quantum Projection Noise Limit with Hundreds of Molecular Ions. <i>Physical Review Letters</i> , 2020, 124, 053201.	7.8	23
8	Chirped-Pulse Millimeter-Wave Spectroscopy of Rydberg-Rydberg Transitions. <i>Physical Review Letters</i> , 2011, 107, 143001.	7.8	22
9	Chirped-pulse millimeter-wave spectroscopy: Spectrum, dynamics, and manipulation of Rydberg-Rydberg transitions. <i>Journal of Chemical Physics</i> , 2013, 138, 014301.	3.0	20
10	Direct detection of Rydberg-Rydberg millimeter-wave transitions in a buffer gas cooled molecular beam. <i>Chemical Physics Letters</i> , 2015, 640, 124-136.	2.6	20
11	Direct single-shot observation of millimeter-wave superradiance in Rydberg-Rydberg transitions. <i>Physical Review A</i> , 2017, 95, .	2.5	19
12	Visible and ultraviolet laser spectroscopy of ThF. <i>Journal of Molecular Spectroscopy</i> , 2019, 358, 1-16.	1.2	8
13	Spectroscopy on the electron-electric-dipole-moment-sensitive states of $ThF^+$ . <i>Physical Review A</i> , 2022, 105, .	2.5	7
14	Continuous temporal ion detection combined with time-gated imaging: Normalization over a large dynamic range. <i>Journal of Molecular Spectroscopy</i> , 2020, 368, 111257.	1.2	5
15	Cooperative effects in a dense Rydberg gas. <i>Molecular Physics</i> , 2012, 110, 1909-1915.	1.7	3
16	Electric potential invariants and ions-in-molecules effective potentials for molecular Rydberg states. <i>Journal of Chemical Physics</i> , 2016, 145, 234301.	3.0	3
17	Coherent laser-millimeter-wave interactions en route to coherent population transfer. <i>Journal of Chemical Physics</i> , 2017, 147, 144201.	3.0	3