

# Jizhou Wu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58

papers

285

citations

11

h-index

14

g-index

64

ext. papers

349


ext. citations

2.8

avg, IF

2.74

L-index

#	Paper	IF	Citations
58	Atom-optically synthetic gauge fields for a noninteracting Bose gas.. <i>Light: Science and Applications</i> , <b>2022</b> , 11, 13	16.7	2
57	Wide and fast-frequency tuning for a stabilized diode laser. <i>Frontiers of Physics</i> , <b>2022</b> , 17, 1	3.7	
56	 Optimizer. <i>Optics and Spectroscopy</i> , <b>2022</b> , 130, 655		
55	Morphology engineering of type-II heterojunction nanoarrays for improved sonophotocatalytic capability. <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 81, 105849	8.9	8
54	Determination of the oscillation frequency in a strongly damped dipole trap by control of spin current. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 164001	3.4	0
53	Laser-induced frequency shift in a spin-1 Bose-Einstein condensate of sodium. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2021</b> , 277, 107985	2.1	
52	The effects of Feshbach resonance on spectral shifts in photoassociation of Cs atoms. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 641-646	3.6	2
51	Analysis of the hyperfine structure of the $13\text{g}$ , $23\text{g}$ , and $33\text{g}^+$ states of $6\text{Li}7\text{Li}$ . <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2021</b> , 270, 107665	2.1	0
50	Fast, simple, all-optical production of sodium spinor condensates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2021</b> , 54, 155501	1.3	1
49	Nonlinear laser-induced frequency shift in a Na spin-1 condensate. <i>Optics Express</i> , <b>2021</b> , 29, 32892-32899	3.3	
48	Piezotronics boosted plasmonic localization and hot electron injection of coralline-like Ag/BaTiO <sub>3</sub> nanoarrays for photocatalytic application. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 12596-12604	7.1	4
47	Ab initio predictions for the reaction mechanism and orbital topological properties of the formation of Neptunimine, Plutonimine, and its side products. <i>Journal of Molecular Modeling</i> , <b>2020</b> , 26, 163	2	
46	Analysis of the hyperfine structure of the Cs <sub>2</sub> $33\text{g}^+$ state. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2020</b> , 250, 107037	2.1	1
45	Hyperfine structure of the NaCs $b\text{3}$ state near the dissociation limit $3\text{S} + 6\text{P}$ observed with ultracold atomic photoassociation. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 3809-3816	3.6	2
44	Actinyl-Carboxylate Complexes [AnO(COOH) (HO) ] (An = U, Np, Pu, and Am; $\nu = 1-3$ ; $\mu = 0, 2, 4$ ; $2 + \nu = 6$ ): Electronic Structures, Interaction Features, and the Potential to Adsorbents toward Cs Ion. <i>ACS Omega</i> , <b>2020</b> , 5, 31974-31983	3.9	0
43	Saturation of photoassociation in NaCs dark magneto-optical trap. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2020</b> , 240, 106678	2.1	1
42	Optical levitation-associated atomic loading in a dipole trap. <i>Laser Physics</i> , <b>2019</b> , 29, 035505	1.2	1

41	Effect of external magnetic field on the shift of resonant frequency in photoassociation of ultracold Cs atoms. <i>Chinese Physics B</i> , <b>2019</b> , 28, 013702	1.2	
40	Highly sensitive photoassociation spectroscopy of ultracold $^{23}\text{Na}^{133}\text{Cs}$ molecular long-range states below the $3S_{1/2}+6P_{1/2}$ limit. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2019</b> , 225, 214-218	2.1	0
39	Fano effect in an ultracold atom-molecule coupled system. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	4
38	Actinide Endohedral and Exohedral Cubic Siloxanes: $\text{An(IV)}@(\text{HSiO}_{1.5})_8$ and $\text{An(IV)}\&(\text{RSiO}_{1.5})_8$ ( $\text{An} = \text{U, Np, Pu}$ ; $\text{R} = \text{H, Cl, OH}$ ). <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 4660-4667	2.3	2
37	Excessive levitation for the efficient loading of large-volume optical dipole traps. <i>Chinese Physics B</i> , <b>2018</b> , 27, 018702	1.2	1
36	Observation of photoassociation of ultracold sodium and cesium at the asymptote $\text{Na}(3S) + \text{Cs}(6P)$ . <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 174304	3.9	6
35	Experimental determination of rotational constants of low-lying vibrational levels in the $0g_{\text{pure}}$ long-range state of ultracold Cs <sub>2</sub> molecule. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2017</b> , 191, 13-18	2.1	3
34	Experimental observation and determination of the laser-induced frequency shift of hyperfine levels of ultracold polar molecules. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	12
33	Manipulation of photoassociation of ultracold Cs atoms with tunable scattering length by external magnetic fields. <i>Scientific Reports</i> , <b>2017</b> , 7, 13677	4.9	6
32	New observation and analysis of the ultracold Cs $2\ 0\ u +$ and $1\ g$ long-range states at the asymptote $6S\ 1/2 + 6P\ 1/2$ . <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2017</b> , 196, 176-181	2.1	3
31	Reduction of characteristic RL time for fast, efficient magnetic levitation. <i>AIP Advances</i> , <b>2017</b> , 7, 095016	1.5	
30	Enhancement of signal-to-noise ratio of ultracold polar NaCs molecular spectra by phase locking detection. <i>Chinese Physics B</i> , <b>2017</b> , 26, 123701	1.2	2
29	Highly sensitive photoassociation spectroscopy of ultracold $^{23}\text{Na}\ ^{133}\text{Cs}$ molecular long-range states below the $3\ S\ 1/2 + 6\ P\ 3/2$ limit. <i>Chinese Physics B</i> , <b>2017</b> , 26, 123702	1.2	
28	Observation and analysis of the hyperfine structure of near-dissociation levels of the NaCs $c\ \bar{3}$ state below the dissociation limit $3S_{1/2}+6P_{3/2}$ . <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	13
27	Control of laser-induced frequency shift in ultracold cesium molecules by an external magnetic field. <i>Optics Letters</i> , <b>2015</b> , 40, 2241-4	3	6
26	Magnetic levitation for effective loading of cold cesium atoms in a crossed dipole trap. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	15
25	Observation and deperturbation of near-dissociation ro-vibrational structure of the Cs <sub>2</sub> state $0u(+)$ ( $A(1)\ \bar{0}(+) \sim b(3)\ \bar{0}(+)$ ) at the asymptote $6S_{1/2} + 6P_{1/2}$ . <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 124307	3.9	11
24	Laser intensity induced transparency in atom-molecular transition process. <i>Science Bulletin</i> , <b>2014</b> , 59, 2731-2735		2

23	High-resolution photoassociation spectroscopy of ultracold Cs <sub>2</sub> long-range $0_g^-$ state: The external well potential depth. <i>Chinese Physics B</i> , <b>2014</b> , 23, 013301	1.2	1
22	New observation and combined analysis of the Cs <sub>2</sub> $0g(-)$ , $0u(+)$ , and $1g$ states at the asymptotes $6S_{1/2} + 6P_{1/2}$ and $6S_{1/2} + 6P_{3/2}$ . <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 244310	3.9	17
21	Accurate determination of the rotational constants of ultracold molecules using double photoassociation spectroscopy. <i>Optics Express</i> , <b>2014</b> , 22, 3754-60	3.3	4
20	Experimental Determination of the Rotational Constants of High-Lying Vibrational Levels of Ultracold Cs <sub>2</sub> in the $0g^-$ Purely Long-Range State. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 3612-3617	6.4	11
19	Experimental observation of the lowest levels in the photoassociation spectroscopy of the $0g^-$ purely-long-range state of Cs <sub>2</sub> . <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	13
18	The laser-intensity dependence of the photoassociation spectrum of the ultracold Cs <sub>2</sub> ( $6S_{1/2} + 6P_{1/2}$ ) $0_u^+$ long-range molecular state. <i>Chinese Physics B</i> , <b>2013</b> , 22, 088701	1.2	2
17	Reanalysis of the photoassociation spectrum of $133\text{Cs}_2(6P_{3/2})$ $1g$ state. <i>Chinese Physics B</i> , <b>2013</b> , 22, 083302	0.2	
16	High resolution photoassociation spectra of an ultracold Cs <sub>2</sub> long-range $0_u^+(6S_{1/2} + 6P_{1/2})$ state. <i>Chinese Physics B</i> , <b>2013</b> , 22, 093301	1.2	3
15	Precise measurements of rotational constants of the pure long range state of ultracold cesium molecules. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2013</b> , 62, 223301	0.6	2
14	Improvement of signal-to-noise ratio of the Cs <sub>2</sub> photoassociation spectroscopy by using dark SPOT magneto-optical trap. <i>Journal of Molecular Spectroscopy</i> , <b>2012</b> , 273, 11-15	1.3	
13	Precise measurement of the line width of the photoassociation spectra of ultracold molecules by using a frequency shifter. <i>Chinese Physics B</i> , <b>2012</b> , 21, 093701	1.2	10
12	High sensitive detection of high-order partial wave scattering in photoassociation of ultracold atoms. <i>Chinese Physics B</i> , <b>2012</b> , 21, 043404	1.2	7
11	Direct measurement of laser-induced frequency shift rate of ultracold cesium molecules by analyzing losses of trapped atoms. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 131114	3.4	8
10	Photoassociative formation of ultracold RbCs molecules in the $(2)3\bar{3}$ state. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	32
9	A direct frequency comb for two-photon transition spectroscopy in a cesium vapor. <i>Chinese Physics B</i> , <b>2012</b> , 21, 113701	1.2	5
8	High Sensitivity Measurement and Accurate Analysis of the Vibrational Spectroscopy Near the $(6S_{1/2} + 6P_{3/2})$ Dissociation limit for $1g$ State of Cs <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 044301	1.5	
7	High sensitive determination of laser-induced frequency shifts of ultracold cesium molecules. <i>Optics Letters</i> , <b>2011</b> , 36, 2038-40	3	17
6	High sensitive trap loss spectroscopic detection of the lowest vibrational levels of ultracold molecules. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 18921-5	3.6	20

5	Investigation of cold collision in a RbCs magneto-optical trap. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2011</b> , 44, 025202	1.3	1
4	Photoassociative Production and Detection of Ultracold Polar RbCs Molecules. <i>Chinese Physics Letters</i> , <b>2011</b> , 28, 083701	1.8	5
3	Dependence of loading time on control parameters in a standard vapour-loaded magneto-optical trap. <i>Chinese Physics B</i> , <b>2011</b> , 20, 123701	1.2	5
2	Ionization Detection of Ultracold Ground State Cesium Molecules. <i>Chinese Physics Letters</i> , <b>2010</b> , 27, 053701	1.0	10
1	Determination of the rotational constant of the Cs <sub>2</sub> 0g- (6s + 6p <sup>3/2</sup> ) state by trap loss spectroscopy. <i>Optics Express</i> , <b>2010</b> , 18, 17089-95	3.3	14