

Jizhou Wu

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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	Photoassociative formation of ultracold RbCs molecules in the $(2)3\Sigma$ state. <i>Physical Review A</i> , 2012 , 85,	2.6	32
57	High sensitive trap loss spectroscopic detection of the lowest vibrational levels of ultracold molecules. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 18921-5	3.6	20
56	New observation and combined analysis of the Cs ₂ 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> , 2014 , 141, 244310	3.9	17
55	High sensitive determination of laser-induced frequency shifts of ultracold cesium molecules. <i>Optics Letters</i> , 2011 , 36, 2038-40	3	17
54	Magnetic levitation for effective loading of cold cesium atoms in a crossed dipole trap. <i>Physical Review A</i> , 2015 , 91,	2.6	15
53	Determination of the rotational constant of the Cs ₂ 0g- (6s + 6p _{3/2}) state by trap loss spectroscopy. <i>Optics Express</i> , 2010 , 18, 17089-95	3.3	14
52	Experimental observation of the lowest levels in the photoassociation spectroscopy of the 0g _g purely-long-range state of Cs ₂ . <i>Physical Review A</i> , 2013 , 87,	2.6	13
51	Observation and analysis of the hyperfine structure of near-dissociation levels of the NaCs $c\tilde{3}$ state below the dissociation limit 3S _{1/2} +6P _{3/2} . <i>Physical Review A</i> , 2016 , 94,	2.6	13
50	Experimental observation and determination of the laser-induced frequency shift of hyperfine levels of ultracold polar molecules. <i>Physical Review A</i> , 2017 , 96,	2.6	12
49	Experimental Determination of the Rotational Constants of High-Lying Vibrational Levels of Ultracold Cs ₂ in the 0g _g Purely Long-Range State. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3612-3617	6.4	11
48	Observation and deperturbation of near-dissociation ro-vibrational structure of the Cs ₂ state 0u(+)(A(1) \tilde{u} (+)-b(3) \tilde{u} (+)) at the asymptote 6S _{1/2} + 6P _{1/2} . <i>Journal of Chemical Physics</i> , 2015 , 143, 124307	3.9	11
47	Precise measurement of the line width of the photoassociation spectra of ultracold molecules by using a frequency shifter. <i>Chinese Physics B</i> , 2012 , 21, 093701	1.2	10
46	Direct measurement of laser-induced frequency shift rate of ultracold cesium molecules by analyzing losses of trapped atoms. <i>Applied Physics Letters</i> , 2012 , 101, 131114	3.4	8
45	Morphology engineering of type-II heterojunction nanoarrays for improved sonophotocatalytic capability. <i>Ultrasonics Sonochemistry</i> , 2021 , 81, 105849	8.9	8
44	High sensitive detection of high-order partial wave scattering in photoassociation of ultracold atoms. <i>Chinese Physics B</i> , 2012 , 21, 043404	1.2	7
43	Manipulation of photoassociation of ultracold Cs atoms with tunable scattering length by external magnetic fields. <i>Scientific Reports</i> , 2017 , 7, 13677	4.9	6
42	Control of laser-induced frequency shift in ultracold cesium molecules by an external magnetic field. <i>Optics Letters</i> , 2015 , 40, 2241-4	3	6

41	Observation of photoassociation of ultracold sodium and cesium at the asymptote Na (3S) + Cs (6P). <i>Journal of Chemical Physics</i> , 2018 , 148, 174304	3.9	6
40	Photoassociative Production and Detection of Ultracold Polar RbCs Molecules. <i>Chinese Physics Letters</i> , 2011 , 28, 083701	1.8	5
39	Dependence of loading time on control parameters in a standard vapour loaded magneto-optical trap. <i>Chinese Physics B</i> , 2011 , 20, 123701	1.2	5
38	A direct frequency comb for two-photon transition spectroscopy in a cesium vapor. <i>Chinese Physics B</i> , 2012 , 21, 113701	1.2	5
37	Accurate determination of the rotational constants of ultracold molecules using double photoassociation spectroscopy. <i>Optics Express</i> , 2014 , 22, 3754-60	3.3	4
36	Fano effect in an ultracold atom-molecule coupled system. <i>Physical Review A</i> , 2019 , 99,	2.6	4
35	Piezotronics boosted plasmonic localization and hot electron injection of coralline-like Ag/BaTiO ₃ nanoarrays for photocatalytic application. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12596-12604	7.1	4
34	Experimental determination of rotational constants of low-lying vibrational levels in the pure long-range state of ultracold Cs ₂ molecule. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017 , 191, 13-18	2.1	3
33	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> , 2017 , 196, 176-181	2.1	3
32	High resolution photoassociation spectra of an ultracold Cs ₂ long-range 0u+(6S1/2+ 6P1/2) state. <i>Chinese Physics B</i> , 2013 , 22, 093301	1.2	3
31	Laser intensity induced transparency in atom-molecular transition process. <i>Science Bulletin</i> , 2014 , 59, 2731-2735		2
30	Enhancement of signal-to-noise ratio of ultracold polar NaCs molecular spectra by phase locking detection. <i>Chinese Physics B</i> , 2017 , 26, 123701	1.2	2
29	The laser-intensity dependence of the photoassociation spectrum of the ultracold Cs ₂ (6S1/2+ 6P1/2) 0+long-range molecular state. <i>Chinese Physics B</i> , 2013 , 22, 088701	1.2	2
28	Atom-optimally synthetic gauge fields for a noninteracting Bose gas.. <i>Light: Science and Applications</i> , 2022 , 11, 13	16.7	2
27	Precise measurements of rotational constants of the pure long range state of ultracold cesium molecules. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013 , 62, 223301	0.6	2
26	Hyperfine structure of the NaCs b ³ Σ state near the dissociation limit 3S + 6P observed with ultracold atomic photoassociation. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 3809-3816	3.6	2
25	Actinide Endohedral and Exohedral Cubic Siloxanes: An(IV)@(HSiO _{1.5}) ₈ and An(IV)&(RSiO _{1.5}) ₈ (An = U, Np, Pu; R = H, Cl, OH). <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 4660-4667	2.3	2
24	The effects of Feshbach resonance on spectral shifts in photoassociation of Cs atoms. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 641-646	3.6	2

23	Optical levitation-associated atomic loading in a dipole trap. <i>Laser Physics</i> , 2019 , 29, 035505	1.2	1
22	Analysis of the hyperfine structure of the Cs ₂ 33 μ + state. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020 , 250, 107037	2.1	1
21	Excessive levitation for the efficient loading of large-volume optical dipole traps. <i>Chinese Physics B</i> , 2018 , 27, 018702	1.2	1
20	High-resolution photoassociation spectroscopy of ultracold Cs ₂ long-range 0 μ state: The external well potential depth. <i>Chinese Physics B</i> , 2014 , 23, 013301	1.2	1
19	Investigation of cold collision in a RbCs magneto-optical trap. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 025202	1.3	1
18	Saturation of photoassociation in NaCs dark magneto-optical trap. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020 , 240, 106678	2.1	1
17	Fast, simple, all-optical production of sodium spinor condensates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021 , 54, 155501	1.3	1
16	Highly sensitive photoassociation spectroscopy of ultracold ²³ Na ¹³³ Cs molecular long-range states below the 3S _{1/2} +6P _{1/2} limit. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019 , 225, 214-218	2.1	0
15	Determination of the oscillation frequency in a strongly damped dipole trap by control of spin current. <i>Applied Physics Letters</i> , 2021 , 119, 164001	3.4	0
14	Actinyl-Carboxylate Complexes [AnO(COOH) (HO)] (An = U, Np, Pu, and Am; = 1-3; = 0, 2, 4; 2 + = 6): Electronic Structures, Interaction Features, and the Potential to Adsorbents toward Cs Ion. <i>ACS Omega</i> , 2020 , 5, 31974-31983	3.9	0
13	Analysis of the hyperfine structure of the 13 μ , 23 μ , and 33 μ + states of ⁶ Li ⁷ Li. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021 , 270, 107665	2.1	0
12	Effect of external magnetic field on the shift of resonant frequency in photoassociation of ultracold Cs atoms. <i>Chinese Physics B</i> , 2019 , 28, 013702	1.2	
11	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> , 2020 , 26, 163	2	
10	Improvement of signal-to-noise ratio of the Cs ₂ photoassociation spectroscopy by using dark SPOT magneto-optical trap. <i>Journal of Molecular Spectroscopy</i> , 2012 , 273, 11-15	1.3	
9	Reduction of characteristic RL time for fast, efficient magnetic levitation. <i>AIP Advances</i> , 2017 , 7, 095016	1.5	
8	Highly sensitive photoassociation spectroscopy of ultracold ²³ Na ¹³³ Cs molecular long-range states below the 3 S _{1/2} + 6 P _{3/2} limit. <i>Chinese Physics B</i> , 2017 , 26, 123702	1.2	
7	Reanalysis of the photoassociation spectrum of ¹³³ Cs ₂ (6P _{3/2}) _{1g} state. <i>Chinese Physics B</i> , 2013 , 22, 083302		
6	Ionization Detection of Ultracold Ground State Cesium Molecules. <i>Chinese Physics Letters</i> , 2010 , 27, 053708		

- 5 High Sensitivity Measurement and Accurate Analysis of the Vibrational Spectroscopy Near the (6S_{1/2}+6P_{3/2}) Dissociation limit for 1g State of Cs₂. *Journal of the Physical Society of Japan*, **2012**, 81, 044301 1.5
- 4 Wide and fast-frequency tuning for a stabilized diode laser. *Frontiers of Physics*, **2022**, 17, 1 3.7
- 3 Laser-induced frequency shift in a spin-1 Bose-Einstein condensate of sodium. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2021**, 277, 107985 2.1
- 2 Nonlinear laser-induced frequency shift in a Na spin-1 condensate. *Optics Express*, **2021**, 29, 32892-32899 3.3
- 1  Optimizer. *Optics and Spectroscopy*, **2022**, 130, 655