

Xingcan Dai

List of Publications by Year in descending order

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papers

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567281

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779
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Quantum Many-Body Coherences in Two-Dimensional Fourier-Transform Spectra of Exciton Resonances in Semiconductor Quantum Wells. <i>Physical Review Letters</i> , 2010, 104, 117401.	7.8	115
2	Two-Dimensional Double-Quantum Spectra Reveal Collective Resonances in an Atomic Vapor. <i>Physical Review Letters</i> , 2012, 108, 193201.	7.8	97
3	All-optical retrieval of the global phase for two-dimensional Fourier-transform spectroscopy. <i>Optics Express</i> , 2008, 16, 18017.	3.4	73
4	Optical Two-Dimensional Fourier Transform Spectroscopy of Semiconductor Quantum Wells. <i>Accounts of Chemical Research</i> , 2009, 42, 1423-1432.	15.6	66
5	Polarization dependence of semiconductor exciton and biexciton contributions to phase-resolved optical two-dimensional Fourier-transform spectra. <i>Physical Review B</i> , 2009, 79, .	3.2	64
6	Optical 2-D Fourier Transform Spectroscopy of Excitons in Semiconductor Nanostructures. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 318-328.	2.9	40
7	Optical Gain from Biexcitons in CsPbBr ₃ Nanocrystals Revealed by Two-dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1251-1258.	4.6	40
8	True-color real-time imaging and spectroscopy of carbon nanotubes on substrates using enhanced Rayleigh scattering. <i>Nano Research</i> , 2015, 8, 2721-2732.	10.4	34
9	Broadband two-dimensional electronic spectroscopy in an actively phase stabilized pump-probe configuration. <i>Optics Express</i> , 2017, 25, 21115.	3.4	26
10	Control of Li ₂ wave packet dynamics by modification of the quantum mechanical amplitude of a single state. <i>Journal of Chemical Physics</i> , 2006, 124, 044306.	3.0	25
11	Magnetic levitation for effective loading of cold cesium atoms in a crossed dipole trap. <i>Physical Review A</i> , 2015, 91, .	2.5	20
12	New observation and combined analysis of the Cs ₂ g ⁺ , u ⁺ , and 1 <i>g</i> states at the asymptotes 6 <i>S</i> _{1/2} + 6 <i>P</i> _{1/2} and 6 <i>S</i> _{1/2} + 6 <i>P</i> _{3/2} . <i>Journal of Chemical Physics</i> , 2014, 141, 244310.	3.0	19
13	Coherent exciton-phonon coupling in perovskite semiconductor nanocrystals studied by two-dimensional electronic spectroscopy. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	18
14	The 23 ¹ g State of 7Li ₂ . <i>Journal of Molecular Spectroscopy</i> , 2000, 200, 120-122.	1.2	17
15	Relabeling and classification of the Rydberg states. <i>Journal of Chemical Physics</i> , 2001, 114, 7859-7865.	3.0	16
16	Coherent control through near-resonant Raman transitions. <i>Physical Review A</i> , 2006, 73, .	2.5	16
17	Experimental Determination of the Rotational Constants of High-Lying Vibrational Levels of Ultracold Cs ₂ in the 0 _g ⁺ Purely Long-Range State. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3612-3617.	4.6	12
18	Observation and deperturbation of near-dissociation ro-vibrational structure of the Cs ₂ state u ⁺ (A ¹ Σ ⁺ _u + ¹ / ₄ B ³ ₁ +u) at the asymptote 6 <i>S</i> _{1/2} + 6 <i>P</i> _{1/2} . <i>Journal of Chemical Physics</i> , 2015, 143, 124307. ^{3.0}		12

#	ARTICLE	IF	CITATIONS
19	Interface dipole enhancement effect and enhanced Rayleigh scattering. Nano Research, 2015, 8, 303-319.	10.4	12
20	Observation and assignment of the state of. Chemical Physics Letters, 2012, 538, 1-4.	2.6	11
21	Inducing a sign inversion in one state of a two-state superposition using ultrafast pulse shaping. Physical Review A, 2003, 68, .	2.5	9
22	Preparation of a wave packet through a mixed level in Li ₂ ; predissociation of one member of the superposition. Chemical Physics Letters, 2005, 402, 126-132.	2.6	9
23	Observations and analysis with the spline-based Rydberg-Klein-Rees approach for the 31 Σ^+ state of Rb ₂ . Journal of Chemical Physics, 2016, 144, 024308.	3.0	9
24	Observation of wave packets with simultaneous electronic, vibrational, and rotational degrees of freedom in Li ₂ . Chemical Physics Letters, 2005, 402, 27-31.	2.6	8
25	N-level Li ₂ multiphoton rotational wave packets: Alignment effects in resonant multiphoton coherent excitation. Journal of Chemical Physics, 2007, 126, 044310.	3.0	8
26	Control of wave packets in Li ₂ by shaping the pump and probe pulses for a state-selected pump-probe analysis of the ionization continuum. Journal of Chemical Physics, 2007, 127, 014312.	3.0	6
27	Manipulation of ro-vibronic wave packet composition using chirped ultrafast laser pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 074015.	1.5	4
28	Experimental study of the $\frac{1}{3} \int_{-\infty}^{\infty} \langle \psi \hat{H} \psi \rangle dt$		
29	Many-body two-quantum coherences in 2D Fourier-Transform spectra of semiconductors. , 2010, , .		0