

Xuan Li

List of Publications by Year in descending order

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27
papers

311
citations

933447

10
h-index

839539

18
g-index

27
all docs

27
docs citations

27
times ranked

346
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory of the optical spatial separation of racemic mixtures of chiral molecules. Journal of Chemical Physics, 2010, 132, 194315.	3.0	55
2	High-spectral-resolution attosecond absorption spectroscopy of autoionization in xenon. Physical Review A, 2014, 89, .	2.5	54
3	Probing autoionizing states of molecular oxygen with XUV transient absorption: Electronic-symmetry-dependent line shapes and laser-induced modifications. Physical Review A, 2017, 95, .	2.5	28
4	High-resolution photoassociation spectroscopy of the $6\text{Li}213\text{f}g$ -state. Physical Review A, 2013, 87, .	2.5	23
5	Communications: Spatial separation of enantiomers by coherent optical means. Journal of Chemical Physics, 2010, 132, 041101.	3.0	18
6	Conical intersection between the lowest spin-aligned $\text{Li}_3(\text{A}^24)$ potential-energy surfaces. Journal of Chemical Physics, 2005, 123, 091101.	3.0	14
7	Investigation of coupling mechanisms in attosecond transient absorption of autoionizing states: comparison of theory and experiment in xenon. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 125601.	1.5	14
8	Laser-Catalyzed Production of Ultracold Molecules: The $\text{Li} + \text{Li}_2$ Reaction. $\text{Li} + \text{Li}_2 \rightarrow \text{LiLiLi} + \text{Li}$	7.8	13
9	Solving the spectroscopic phase: imaging excited wave packets and extracting excited state potentials from fluorescence data. Physical Chemistry Chemical Physics, 2010, 12, 15760.	2.8	12
10	Inversion of two-dimensional potentials from frequency-resolved spectroscopic data. Journal of Chemical Physics, 2011, 134, 094113.	3.0	11
11	Theory of laser enhancement and suppression of cold reactions: The fermion-boson $\text{Li}_6 + \text{Li}_2 \rightarrow \text{Li}_6\text{Li}_7 + \text{Li}$ radiative collision. Journal of Chemical Physics, 2008, 128, 124314.	3.0	9
12	Time-dependent partitioning theory of the control of radiationless transitions in 24-mode pyrazine. Journal of Chemical Physics, 2012, 137, 064111.	3.0	9
13	Population transfer between valence states via autoionizing states using two-color ultrafast pulses in XUV and the limitations of adiabatic passage. Physical Review A, 2014, 89, .	2.5	9
14	Theory of laser enhancement of ultracold reactions: The fermion-boson population transfer by adiabatic passage of $\text{Li}_6 + \text{Li}_6\text{Li}_7(\text{Tr}=1\text{mK}) \rightarrow \text{Li}_6\text{Li}_6 + \text{Li}_7(\text{Tp}=1\text{mK})$. Journal of Chemical Physics, 2008, 128, 184113.	3.0	8
15	Spectroscopic Phase and the Extraction of Excited-State Potentials from Fluorescence Data. Journal of Physical Chemistry Letters, 2010, 1, 3172-3176.	4.6	7
16	Potential energy surfaces for the 1^2A^2 , 2^2A^2 , 1^2A^3 and 2^2A^3 states of Li_3 . Journal of Chemical Physics, 2005, 129, 124305.	3.0	6
17	Extracting double minima excited state potentials from bound-continuum spectroscopic data. Journal of Molecular Spectroscopy, 2011, 268, 221-225.	1.2	6
18	Three-dimensional photodissociation in strong laser fields: Memory-kernel effective-mode expansion. Physical Review A, 2011, 83, .	2.5	6

#	ARTICLE	IF	CITATIONS
19	Geometric phase for collinear conical intersections. I. Geometric phase angle and vector potentials. Journal of Chemical Physics, 2011, 134, 064108.	3.0	4
20	New method for calculating bound states: The A1 states of Li3 on the spin-aligned Li3(1A [∞] 24) potential energy surface. Journal of Chemical Physics, 2007, 127, 014108.	3.0	2
21	Generation and control of spin-orbit entanglement in atomic pairs. Physical Review A, 2012, 85, .	2.5	2
22	Extracting molecular potentials from incomplete spectroscopic information. Molecular Physics, 2015, 113, 3854-3858.	1.7	1
23	General Laser Interaction Theory in Atom-Diatom Systems for Both Adiabatic and Nonadiabatic Cases. Journal of Physical Chemistry A, 2006, 110, 5504-5512.	2.5	0
24	Pulse sequences in photoassociation via adiabatic passage. New Journal of Physics, 2012, 14, 073001.	2.9	0
25	The Dipole Correction Method for Extracting Excited State Potentials and Electronic Transition Dipoles from Fluorescence Data. Israel Journal of Chemistry, 2012, 52, 407-413.	2.3	0
26	Complete Quantum State Selectivity in Cold Molecular Beams Using Deflection-Resistant Dark States in a STIRAP Configuration. Journal of Physical Chemistry Letters, 2014, 5, 3620-3624.	4.6	0
27	Attosecond Transient Absorption Explores Coupling Mechanisms of Autoionizing States. , 2015, , .		0