Behnam Nikoobakht

List of Publications by Year
in descending order

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14 papers	44 citations	1937685 4 h-index	1872680 6 g-index

14 all docs	14 docs citations	14 times ranked	24 citing authors

#	Article	IF	Citations
1	UV absorption spectrum and photodissociation dynamics of CH2OO following excitation to the B1 Aâ€² state. Molecular Physics, 0, , e1958019.	1.7	9
2	Correlated quantum treatment of the photodissociation dynamics of formaldehyde oxide CH₂OO. Physical Chemistry Chemical Physics, 2022, 24, 12433-12441.	2.8	6
3	Efficient computation of adiabatic populations in multi-mode Jahn-Teller systems through the use of effective vibrational modes. Journal of Chemical Physics, 2011, 135, 174110.	3.0	5
4	Efficient computation of adiabatic electronic populations in multi-mode vibronic systems: Theory, implementation, and application. Journal of Chemical Physics, 2012, 137, 114110.	3.0	5
5	Quantum dynamics study of singletâ€“triplet transitions in s-trans-1,3-butadiene. Chemical Physics Letters, 2016, 651, 221-232.	2.6	5
6	A four-component Fock-space coupled cluster investigation of the HM(CO)₅, (M = Mn, Re) photoelectron spectra. Molecular Physics, 2015, 113, 3431-3437.	1.7	4
7	²T_{2g} â†•¹A_{1g} photo-electron spectrum of octahedral tungsten hexacarbonyl. Physical Chemistry Chemical Physics, 2016, 18, 33357-33368.	2.8	3
8	An ab initio quantum dynamical analysis of the vibronic structure of the X2Bg photoelectron spectral band of s-trans-1,3-butadiene. Chemical Physics, 2018, 515, 654-662.	1.9	2
9	Investigation of the valence ionization spectrum of chromium carbonyl using an ab initio quantum dynamical approach. Journal of Chemical Physics, 2020, 152, 064109.	3.0	2
10	An ab initio quantum dynamics simulation of UV absorption spectrum of methyl vinyl ketone oxide. Journal of Chemical Physics, 2022, 157, .	3.0	2
11	The valence ionization spectrum of molybdenum hexacarbonyl: An ab initio quantum dynamical investigation. Chemical Physics Letters, 2020, 751, 137458.	2.6	1
12	A four-component Fock-space coupled cluster investigation of the XMn(CO)5, (X = Cl, Br and I) photoelectron spectra. Chemical Physics, 2017, 482, 339-345.	1.9	0
13	Excited state dynamics of the s-trans-1, 3-butadiene cation: An ab initio quantum dynamical analysis. Journal of Chemical Physics, 2019, 151, 104105.	3.0	0
14	The ground state dynamics of s-trans-1,3-butadiene cation: An ab initio quantum dynamical study. Journal of Electron Spectroscopy and Related Phenomena, 2019, 237, 146899.	1.7	0