Svetoslav Rashev

List of Publications by Year
in descending order

13	57	1684188 5	1588992 8
papers	citations	h-index	g-index

13	13	13	30
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Variational study on the vibrational level structure and IVR behavior of highly vibrationally excited S0 formaldehyde. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 87, 286-292.	3.9	10
2	A combined theoretical treatment of T1â†'S intersystem crossing and intramolecular vibrational redistribution in thiophosgene. Journal of Chemical Physics, 2008, 128, 091101.	3.0	8
3	Complex symmeterized analysis of benzene vibrations. International Journal of Quantum Chemistry, 2002, 89, 292-298.	2.0	7
4	Empirical Determination of the Harmonic Force Constants in Benzene. 4. The Fermi Resonances. Journal of Physical Chemistry A, 2006, 110, 13769-13774.	2.5	6
5	Rotational level involvement in the T1â†'S0 intersystem crossing transition in thiophosgene. Journal of Chemical Physics, 2009, 130, 134307.	3.0	6
6	Variational study on the vibrational level structure and vibrational level mixing of highly vibrationally excited S0 D2CO. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 111-118.	3.9	5
7	Determination of an improved set of harmonic force constants for benzene. International Journal of Quantum Chemistry, 2004, 99, 894-902.	2.0	4
8	Vibrational calculations in formaldehyde: the CH stretch system. Open Chemistry, 2011, 9, 549-556.	1.9	4
9	A refined quartic potential energy surface and large scale vibrational calculations for S0 thiophosgene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 305-310.	3.9	4
10	The role of rotational relaxation in the intersystem crossing between a triplet and a singlet electronic state. International Journal of Quantum Chemistry, 2011, 111, 279-287.	2.0	2
11	Large scale vibrational calculations on IVR in S0 thiophosgene. Journal of Theoretical and Computational Chemistry, 2016, 15, 1650005.	1.8	1
12	Complex symmetrized calculations on ammonia vibrational levels. Open Chemistry, 2005, 3, 556-569.	1.9	0
13	Theoretical Exploration of the Vibrational Structure and IVR of S0 Thiophosgene at High Excitation Energies. Progress in Theoretical Chemistry and Physics, 2017, , 231-249.	0.2	0