

Svetoslav Rashev

List of Publications by Year in descending order

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papers

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1684188
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docs citations

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#	ARTICLE	IF	CITATIONS
1	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
2	Large scale vibrational calculations on IVR in S0 thiophosgene. Journal of Theoretical and Computational Chemistry, 2016, 15, 1650005.	1.8	1
3	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
4	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
5	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
6	Vibrational calculations in formaldehyde: the CH stretch system. Open Chemistry, 2011, 9, 549-556.	1.9	4
7	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
8	Rotational level involvement in the T1 $\hat{\text{a}}$ *S0 intersystem crossing transition in thiophosgene. Journal of Chemical Physics, 2009, 130, 134307.	3.0	6
9	A combined theoretical treatment of T1 $\hat{\text{a}}$ *S intersystem crossing and intramolecular vibrational redistribution in thiophosgene. Journal of Chemical Physics, 2008, 128, 091101.	3.0	8
10	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
11	Complex symmetrized calculations on ammonia vibrational levels. Open Chemistry, 2005, 3, 556-569.	1.9	0
12	Determination of an improved set of harmonic force constants for benzene. International Journal of Quantum Chemistry, 2004, 99, 894-902.	2.0	4
13	Complex symmeterized analysis of benzene vibrations. International Journal of Quantum Chemistry, 2002, 89, 292-298.	2.0	7