H Laine Berghout

List of Publications by Year
in descending order

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13	363	759233 12	1125743 13
papers	citations	h-index	g-index

13	13	13	182
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vibrationally mediated photodissociation of isocyanic acid (HNCO): Preferential Nâ€“H bond fission by excitation of the reaction coordinate. Journal of Chemical Physics, 1996, 105, 6293-6303.	3.0	65
2	Vibrational state controlled bond cleavage in the photodissociation of isocyanic acid (HNCO). Journal of Chemical Physics, 1995, 102, 8440-8447.	3.0	56
3	The HNCO heat of formation and the Nâ€“H and Câ€“N bond enthalpies from initial state selected photodissociation. Journal of Chemical Physics, 1996, 105, 8103-8110.	3.0	51
4	Nonadiabatic effects in the photodissociation of vibrationally excited HNCO: The branching between singlet (aâ€‰1Î") and triplet (Xâ€‰3Î£â^') NH. Journal of Chemical Physics, 1998, 109, 2257-2263.	3.0	45
5	Internal Energy Distribution of the NCO Fragment from Near-Threshold Photolysis of Isocyanic Acid, HNCO. The Journal of Physical Chemistry, 1996, 100, 7948-7955.	2.9	30
6	Raman spectroscopy of the Nâ€“Câ€“O symmetric (Î½3) and antisymmetric (Î½2) stretch fundamentals in HNCO. Journal of Chemical Physics, 1997, 107, 9764-9771.	3.0	19
7	Raman spectroscopy of the Î½1 Nâ€“H stretch fundamental in isocyanic acid (HNCO): State mixing probed by photoacoustic spectroscopy and by photodissociation of vibrationally excited states. Journal of Chemical Physics, 1997, 106, 5805-5815.	3.0	18
8	Relative product yields in the one-photon and vibrationally mediated photolysis of isocyanic acid (HNCO). Journal of Chemical Physics, 2001, 114, 10835-10844.	3.0	17
9	Controlling the Bimolecular Reaction and Photodissociation of HNCO through Selective Excitation of Perturbed Vibrational Statesâ€. Journal of Physical Chemistry A, 2000, 104, 10356-10361.	2.5	16
10	Flame spread through cracks of PBX 9501 (a composite) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (octahydro-1,3,5,7-tetranitro-1,3, 114901.	2.5	16
11	Initial state resolved electronic spectroscopy of HNCO: Stimulated Raman preparation of initial states and laser induced fluorescence detection of photofragments. Journal of Chemical Physics, 1997, 107, 8985-8993.	3.0	15
12	The electronic origin and vibrational levels of the first excited singlet state of isocyanic acid (HNCO). Journal of Chemical Physics, 2000, 112, 6678-6688.	3.0	13
13	Measurement of convective burn rates in gaps of PBX 9501. AIP Conference Proceedings, 2000, , .	0.4	2