

H Laine Berghout

List of Publications by Year in descending order

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13
papers

363
citations

759233

12
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

182
citing authors

#	ARTICLE	IF	CITATIONS
1	Flame spread through cracks of PBX 9501 (a composite) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (octahydro-1,3,5,7-tetrazapenta[1,2-b]pyridin-2-ylidene) 114901.	2.5	16
2	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
3	Measurement of convective burn rates in gaps of PBX 9501. AIP Conference Proceedings, 2000, , .	0.4	2
4	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
5	Controlling the Bimolecular Reaction and Photodissociation of HNCO through Selective Excitation of Perturbed Vibrational States. Journal of Physical Chemistry A, 2000, 104, 10356-10361.	2.5	16
6	Nonadiabatic effects in the photodissociation of vibrationally excited HNCO: The branching between singlet ($\hat{1}^1$) and triplet ($\hat{3}^1$) NH. Journal of Chemical Physics, 1998, 109, 2257-2263.	3.0	45
7	Raman spectroscopy of the N=C=O symmetric ($\hat{1}/23$) and antisymmetric ($\hat{1}/22$) stretch fundamentals in HNCO. Journal of Chemical Physics, 1997, 107, 9764-9771.	3.0	19
8	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
9	Raman spectroscopy of the $\hat{1}/21$ N-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
10	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
11	Vibrationally mediated photodissociation of isocyanic acid (HNCO): Preferential N-H bond fission by excitation of the reaction coordinate. Journal of Chemical Physics, 1996, 105, 6293-6303.	3.0	65
12	The HNCO heat of formation and the N-H and C-N bond enthalpies from initial state selected photodissociation. Journal of Chemical Physics, 1996, 105, 8103-8110.	3.0	51
13	Vibrational state controlled bond cleavage in the photodissociation of isocyanic acid (HNCO). Journal of Chemical Physics, 1995, 102, 8440-8447.	3.0	56