

Thomas A Stephenson

List of Publications by Year in descending order

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25
papers

952
citations

516710

16
h-index

580821

25
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25
all docs

25
docs citations

25
times ranked

641
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-range fluorescence quenching of ethidium ion by cationic porphyrins in the presence of DNA. <i>Journal of the American Chemical Society</i> , 1991, 113, 6835-6840.	13.7	202
2	$1B_{2u} \rightarrow 1A_{1g}$ spectroscopy of jet-cooled benzene: Single vibronic level fluorescence studies. <i>Journal of Chemical Physics</i> , 1984, 81, 1060-1072.	3.0	112
3	Relaxation dynamics of photoexcited benzene-rare gas van der Waals complexes. <i>Journal of Chemical Physics</i> , 1984, 81, 1083-1101.	3.0	112
4	Vibrational state dependence of radiationless processes in $1B_{2u}$ benzene. <i>Journal of Chemical Physics</i> , 1984, 81, 1073-1082.	3.0	60
5	Collision-induced non-adiabatic transitions between the ion-pair states of molecular iodine: A challenge for experiment and theory. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3201.	2.8	53
6	Unimolecular decay dynamics of Criegee intermediates: Energy-resolved rates, thermal rates, and their atmospheric impact. <i>International Reviews in Physical Chemistry</i> , 2020, 39, 1-33.	2.3	45
7	Fragment rotational distributions from the dissociation of $NeBr_2$: Experimental and classical trajectory studies. <i>Journal of Chemical Physics</i> , 1997, 106, 5454-5467.	3.0	44
8	Quantum calculations on the vibrational predissociation of $NeBr_2$: Evidence for continuum resonances. <i>Journal of Chemical Physics</i> , 2000, 112, 2265-2273.	3.0	43
9	Collision-induced electronic energy transfer from $v=0$ of the $E(0g^+)$ ion-pair state in I_2 : Collisions with $I_2(X)$. <i>Journal of Chemical Physics</i> , 2001, 115, 4132-4138.	3.0	38
10	$C-Cl$ bond fission, HCl elimination, and secondary radical decomposition in the 193 nm photodissociation of allyl chloride. <i>Journal of Chemical Physics</i> , 2002, 116, 2763-2775.	3.0	37
11	Nonadiabatic electronic interactions in the ion-pair states of NeI_2 . <i>Journal of Chemical Physics</i> , 1991, 94, 4171-4181.	3.0	32
12	Collision-induced electronic energy transfer from $v=0$ of the $E(0g^+)$ ion-pair state in I_2 : Collisions with He and Ar. <i>Journal of Chemical Physics</i> , 2002, 116, 1361-1369.	3.0	31
13	Second OH overtone excitation and statistical dissociation dynamics of peroxyxynitrous acid. <i>Journal of Chemical Physics</i> , 2005, 123, 204318.	3.0	28
14	Electronic quenching of $OH A^2\Sigma^+$ radicals in collisions with molecular hydrogen. <i>Chemical Physics Letters</i> , 2006, 421, 324-328.	2.6	18
15	Nonadiabatic transitions in the dynamics of the NeI_2 van der Waals complex. <i>Chemical Physics Letters</i> , 1989, 159, 549-553.	2.6	16
16	Franck-Condon effects in collision-induced electronic energy transfer: $I_2(E;v=1,2)+He, Ar$. <i>Journal of Chemical Physics</i> , 2004, 121, 2985-2991.	3.0	16
17	Fragment rotational state distributions from the dissociation of NeI_2 : Experimental and theoretical results. <i>Journal of Chemical Physics</i> , 1992, 97, 6262-6275.	3.0	14
18	Reactive quenching of $OD A^2\Sigma^+$ by H_2 : Translational energy distributions for H- and D-atom product channels. <i>Journal of Chemical Physics</i> , 2011, 135, 144303.	3.0	11

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19	The spectroscopy and state dynamics of the $\text{NeI}Br$ van der Waals complex. <i>Journal of Chemical Physics</i> , 1989, 90, 3171-3180.	3.0	10
20	Vibrational branching ratios from the dissociation of the $\text{NeI}Br$ van der Waals molecule. <i>Journal of Chemical Physics</i> , 1992, 96, 3536-3541.	3.0	10
21	Rovibrational resonance effects in collision-induced electronic energy transfer: $\text{I}_2(E, v=0 \rightarrow 2) + \text{CF}_4$. <i>Journal of Chemical Physics</i> , 2006, 125, 194313.	3.0	6
22	Laser-induced fluorescence of jet-cooled IBr : $\text{B}^3\Pi_0^+ \rightarrow \text{X}^1\Sigma_g^+$ excitation spectra. <i>The Journal of Physical Chemistry</i> , 1989, 93, 2310-2313.	2.9	5
23	Experimental characterization of the weakly anisotropic $\text{CN} \langle i \rangle \text{X} \langle j \rangle \hat{\sim} 2^1\Sigma^+ + \text{Ne}$ potential from IR-UV double resonance studies of the CN-Ne complex. <i>Journal of Chemical Physics</i> , 2011, 134, 184308.	3.0	4
24	Theoretical and experimental studies of collision-induced electronic energy transfer from $v=0 \rightarrow 3$ of the $\text{E}(g^+)$ ion-pair state of Br_2 : Collisions with He and Ar. <i>Journal of Chemical Physics</i> , 2008, 128, 184311.	3.0	3
25	Nonadiabatic Effects on the Dynamics of the $\text{NeI}Cl$ Van der Waals Complex. <i>NATO ASI Series Series B: Physics</i> , 1990, , 493-501.	0.2	2