

# 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  
g-index

25  
all docs

25  
docs citations

25  
times ranked

641  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Experimental characterization of the weakly anisotropic CN $\langle i \rangle X \langle /i \rangle \hat{a}^{\sim} 2 \hat{1} \hat{x} + +$ 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
3	Reactive quenching of OD A $2 \hat{1} \hat{x} +$ by H <sub>2</sub> : Translational energy distributions for H- and D-atom product channels. <i>Journal of Chemical Physics</i> , 2011, 135, 144303.	3.0	11
4	Theoretical and experimental studies of collision-induced electronic energy transfer from $v = \hat{a}^{\sim} 3$ of the E(g <sup>+</sup> ) ion-pair state of Br <sub>2</sub> : Collisions with He and Ar. <i>Journal of Chemical Physics</i> , 2008, 128, 184311.	3.0	3
5	Electronic quenching of OH A $2 \hat{1} \hat{x} +$ radicals in collisions with molecular hydrogen. <i>Chemical Physics Letters</i> , 2006, 421, 324-328.	2.6	18
6	Rovibrational resonance effects in collision-induced electronic energy transfer: I <sub>2</sub> (E, $v = 0 \hat{a}^{\sim} 2$ ) + CF <sub>4</sub> . <i>Journal of Chemical Physics</i> , 2006, 125, 194313.	3.0	6
7	Second OH overtone excitation and statistical dissociation dynamics of peroxyxynitrous acid. <i>Journal of Chemical Physics</i> , 2005, 123, 204318.	3.0	28
8	Franck-Condon effects in collision-induced electronic energy transfer: I <sub>2</sub> (E; $v = 1, 2$ ) + He, Ar. <i>Journal of Chemical Physics</i> , 2004, 121, 2985-2991.	3.0	16
9	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
10	Collision-induced electronic energy transfer from $v = 0$ of the E(0g <sup>+</sup> ) ion-pair state in I <sub>2</sub> : Collisions with He and Ar. <i>Journal of Chemical Physics</i> , 2002, 116, 1361-1369.	3.0	31
11	C-C 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
12	Collision-induced electronic energy transfer from $v = 0$ of the E(0g <sup>+</sup> ) ion-pair state in I <sub>2</sub> : Collisions with I <sub>2</sub> (X). <i>Journal of Chemical Physics</i> , 2001, 115, 4132-4138.	3.0	38
13	Quantum calculations on the vibrational predissociation of NeBr <sub>2</sub> : Evidence for continuum resonances. <i>Journal of Chemical Physics</i> , 2000, 112, 2265-2273.	3.0	43
14	Fragment rotational distributions from the dissociation of NeBr <sub>2</sub> : Experimental and classical trajectory studies. <i>Journal of Chemical Physics</i> , 1997, 106, 5454-5467.	3.0	44
15	Fragment rotational state distributions from the dissociation of NeIBr: Experimental and theoretical results. <i>Journal of Chemical Physics</i> , 1992, 97, 6262-6275.	3.0	14
16	Vibrational branching ratios from the dissociation of the NeIBr van der Waals molecule. <i>Journal of Chemical Physics</i> , 1992, 96, 3536-3541.	3.0	10
17	Nonadiabatic electronic interactions in the ion-pair states of NeICl. <i>Journal of Chemical Physics</i> , 1991, 94, 4171-4181.	3.0	32
18	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

#	ARTICLE	IF	CITATIONS
19	Nonadiabatic Effects on the Dynamics of the NeI Cl Van der Waals Complex. NATO ASI Series Series B: Physics, 1990, , 493-501.	0.2	2
20	The spectroscopy and Astate dynamics of the NeI Br van der Waals complex. Journal of Chemical Physics, 1989, 90, 3171-3180.	3.0	10
21	Nonadiabatic transitions in the dynamics of the NeI Cl van der Waals complex. Chemical Physics Letters, 1989, 159, 549-553.	2.6	16
22	Laser-induced fluorescence of jet-cooled IBr: B3.PI.0+ .rarw. X1.SIGMA.+ excitation spectra. The Journal of Physical Chemistry, 1989, 93, 2310-2313.	2.9	5
23	1B2u <sup>+</sup> 1A1g spectroscopy of jet-cooled benzene: Single vibronic level fluorescence studies. Journal of Chemical Physics, 1984, 81, 1060-1072.	3.0	112
24	Vibrational state dependence of radiationless processes in 1B2u benzene. Journal of Chemical Physics, 1984, 81, 1073-1082.	3.0	60
25	Relaxation dynamics of photoexcited benzene <sup>+</sup> rare gas van der Waals complexes. Journal of Chemical Physics, 1984, 81, 1083-1101.	3.0	112