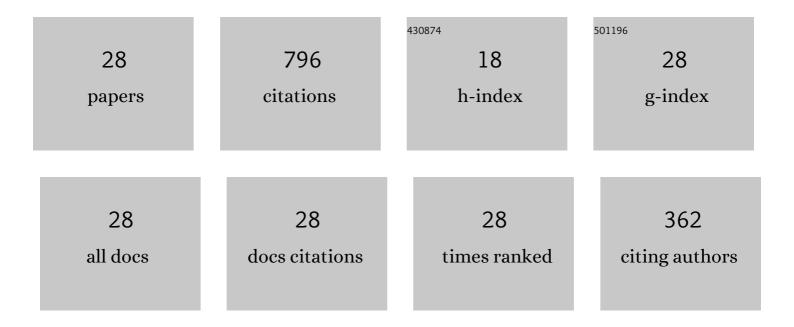
Thomas M Miller

List of Publications by Year in descending order

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THOMAS M MILLER

#	Article	IF	CITATIONS
1	Thermal electron attachment to SF4 and SF6. Journal of Chemical Physics, 1994, 100, 8841-8848.	3.0	111
2	Electron affinities of the alkali halides and the structure of their negative ions. Journal of Chemical Physics, 1986, 85, 2368-2375.	3.0	82
3	Mutual neutralization of simple and clustered positive and negative ions. Journal of Chemical Physics, 1978, 68, 1224-1229.	3.0	64
4	Low-energy electron attachment to SF6. I. Kinetic modeling of nondissociative attachment. Journal of Chemical Physics, 2007, 127, 244303.	3.0	53
5	Flowing afterglow apparatus for the study of ion–molecule reactions at high temperatures. Review of Scientific Instruments, 1996, 67, 2142-2148.	1.3	48
6	Low-energy electron attachment to SF6. II. Temperature and pressure dependences of dissociative attachment. Journal of Chemical Physics, 2007, 127, 244304.	3.0	45
7	Teaching an Old Dog New Tricks: Using the Flowing Afterglow to Measure Kinetics of Electron Attachment to Radicals, Ion–Ion Mutual Neutralization, and Electron Catalyzed Mutual Neutralization. Advances in Atomic, Molecular and Optical Physics, 2012, 61, 209-294.	2.3	45
8	Low-energy electron attachment to SF6. III. From thermal detachment to the electron affinity of SF6. Journal of Chemical Physics, 2007, 127, 244305.	3.0	43
9	Pressure and temperature dependence of dissociative and non-dissociative electron attachment to CF3: Experiments and kinetic modeling. Journal of Chemical Physics, 2011, 135, 054306.	3.0	32
10	Behavior of rate coefficients for ion-ion mutual neutralization, 300–550 K. Journal of Chemical Physics, 2012, 136, 204306.	3.0	28
11	Kinetics following addition of sulfur fluorides to a weakly ionized plasma from 300 to 500 K: Rate constants and product determinations for ion–ion mutual neutralization and thermal electron attachment to SF5, SF3, and SF2. Journal of Chemical Physics, 2010, 133, 234304.	3.0	22
12	On the Temperature Dependence of the Thermal Electron Attachment to SF6, SF5Cl, and POCl3. Zeitschrift Fur Physikalische Chemie, 2011, 225, 1405-1416.	2.8	22
13	Electron attachment to POCl3. III. Measurement and kinetic modeling of branching fractions. Journal of Chemical Physics, 2011, 134, 094310.	3.0	22
14	Communication: Revised electron affinity of SF6 from kinetic data. Journal of Chemical Physics, 2012, 136, 121102.	3.0	22
15	Kinetics of ion-ion mutual neutralization: Halide anions with polyatomic cations. Journal of Chemical Physics, 2014, 140, 224309.	3.0	22
16	Variable Electron and Neutral Density Attachment Mass Spectrometry: Temperature-Dependent Kinetics of Electron Attachment to PSCl ₃ and PSCl ₂ and Mutual Neutralization of PSCl ₂ ^{â^'} and PSCl ^{â^'} with Ar ⁺ . Journal of Physical Chemistry A, 2010, 114, 11100-11108.	2.5	21
17	A new instrument for thermal electron attachment at high temperature: NF3 and CH3Cl attachment rate constants up to 1100 K. Review of Scientific Instruments, 2009, 80, 034104.	1.3	20

Mutual neutralization of atomic rare-gas cations (Ne+, Ar+, Kr+, Xe+) with atomic halide anions (Cla^,) Tj ETQq0 0 0 grgBT /Overlock 10 T

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#	ARTICLE	IF	CITATIONS
19	Electron attachment to POCl3. II. Dependence of the attachment rate coefficients on gas and electron temperature. International Journal of Mass Spectrometry, 2011, 306, 123-128.	1.5	16
20	Electron attachment to 14 halogenated alkenes and alkanes, 300-600 K. Journal of Chemical Physics, 2012, 137, 164306.	3.0	15
21	Electron attachment to CF3and CF3Br at temperatures up to 890 K: Experimental test of the kinetic modeling approach. Journal of Chemical Physics, 2013, 138, 204316.	3.0	13
22	Analysis by kinetic modeling of the temperature dependence of thermal electron attachment to CF3Br. Journal of Chemical Physics, 2012, 137, 024303.	3.0	12
23	Mutual neutralization of He+ with the anions Clâ^, Brâ^, Iâ^, and SF6â^. Journal of Chemical Physics, 2016, 144, 204309.	3.0	7
24	Mutual neutralization of H+ and D+ with the atomic halide anions Clâ^,Brâ^, and Iâ^. Journal of Chemical Physics, 2018, 149, 044303.	3.0	5
25	Time-of-flight detection coupled to a flowing afterglow: Improvements and characterization. International Journal of Mass Spectrometry, 2016, 403, 27-31.	1.5	3
26	Reactions of C+ + Clâ^', Brâ^', and Iâ^—A comparison of theory and experiment. Journal of Chemical Physics, 2019, 151, 244301.	3.0	2
27	Toward a quantitative analysis of the temperature dependence of electron attachment to SF6. Journal of Chemical Physics, 2020, 152, 124302.	3.0	2
28	Thermal rate constants for electron attachment to N2O: An example of endothermic attachment. Journal of Chemical Physics, 2020, 153, 074306.	3.0	1