Ar Ravishankara

List of Publications by Year
in descending order

21 papers	796 citations	687363 13 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	694 citing authors

#	ARTICLE	IF	CITATIONS
1	Reaction of N2O with the prototype singlet biradical CH2: A theoretical study. Chemical Physics Letters, 2020, 749, 137446.	2.6	2
2	The atmospheric impact of the reaction of N2O with NO3: A theoretical study. Chemical Physics Letters, 2019, 731, 136605.	2.6	4
3	Rate Coefficient Measurements and Theoretical Analysis of the OH + (<i>E</i>)-CF₃CHâ•CHCF₃ Reaction. Journal of Physical Chemistry A, 2018, 122, 4635-4646.	2.5	10
4	Analysis of the potential atmospheric impact of the reaction of N2O with OH. Chemical Physics Letters, 2018, 708, 100-105.	2.6	8
5	Atmospheric Chemistry of (<i>Z</i>)-CF₃CHâ•CHCF₃: OH Radical Reaction Rate Coefficient and Global Warming Potential. Journal of Physical Chemistry A, 2011, 115, 10539-10549.	2.5	41
6	The CH3CO quantum yield in the 248nm photolysis of acetone, methyl ethyl ketone, and biacetyl. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 199, 336-344.	3.9	36
7	Near-IR absorption of water vapor: Pressure dependence of line strengths and an upper limit for continuum absorption. Journal of Molecular Spectroscopy, 2005, 232, 223-230.	1.2	17
8	Cavity ring-down spectroscopy for atmospheric trace gas detection: application to the nitrate radical (NO 3). Applied Physics B: Lasers and Optics, 2002, 75, 173-182.	2.2	68
9	Photochemistry of acetone under tropospheric conditions. Chemical Physics, 1998, 231, 229-244.	1.9	154
10	Atmospheric fate of methyl vinyl ketone and methacrolein. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 110, 1-10.	3.9	98
11	A study of the Br + IO â†’ I + BrO and the reverse reaction. Chemical Physics Letters, 1997, 272, 75-82.	2.6	25
12	Rate coefficients for O(1D) + H2, D2, HD reactions and H atom yield in O(1D) + HD reaction. Chemical Physics Letters, 1996, 253, 177-183.	2.6	65
13	LIF detection of IO and the rate coefficients for I + O3 and IO + NO reactions. Chemical Physics Letters, 1995, 242, 427-434.	2.6	45
14	A study of O(1D) reactions with CFC substitutes. Chemical Physics Letters, 1991, 183, 403-409.	2.6	35
15	Reactive and non-reactive quenching of O(1D2) by COF2. Chemical Physics Letters, 1983, 96, 129-132.	2.6	14
16	O3 photolysis at 248 nm and O(1D2) quenching by H2O, CH4, H2, and N2O: O(3PJ) yields. Chemical Physics, 1982, 69, 365-373.	1.9	78
17	Kinetics of O(1D) interactions with the atmospheric gases N2, N2O, H2O, H2, CO2, and O3. Chemical Physics Letters, 1981, 77, 103-109.	2.6	86
18	Gamma-radiolysis of 1,1,2,2-tetrafluorocyclobutane in the gas phase. Radiation Physics and Chemistry (1977), 1977, 10, 183-189.	0.3	1

#	ARTICLE	IF	CITATIONS
19	The Hg 6(3P1) photosensitized decomposition of 1,1,2,2-tetrafluorocyclobutane. Journal of Photochemistry and Photobiology, 1977, 7, 201-214.	0.6	2
20	Formation of HF in the mercury-sensitized photolysis of fluorohydrocarbons. Journal of Photochemistry and Photobiology, 1976, 6, 17-21.	0.6	3
21	Ionâ€"molecule reactions in 1,1,2,2-tetrafluorocyclobutane. International Journal of Mass Spectrometry and Ion Physics, 1976, 22, 315-326.	1.3	4