

Ar Ravishankara

List of Publications by Year in descending order

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21
papers

796
citations

687363

13
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713466

21
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all docs

21
docs citations

21
times ranked

694
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemistry of acetone under tropospheric conditions. <i>Chemical Physics</i> , 1998, 231, 229-244.	1.9	154
2	Atmospheric fate of methyl vinyl ketone and methacrolein. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 110, 1-10.	3.9	98
3	Kinetics of O(1D) interactions with the atmospheric gases N ₂ , N ₂ O, H ₂ O, H ₂ , CO ₂ , and O ₃ . <i>Chemical Physics Letters</i> , 1981, 77, 103-109.	2.6	86
4	O ₃ photolysis at 248 nm and O(1D ₂) quenching by H ₂ O, CH ₄ , H ₂ , and N ₂ O: O(3P _J) yields. <i>Chemical Physics</i> , 1982, 69, 365-373.	1.9	78
5	Cavity ring-down spectroscopy for atmospheric trace gas detection: application to the nitrate radical (NO ₃). <i>Applied Physics B: Lasers and Optics</i> , 2002, 75, 173-182.	2.2	68
6	Rate coefficients for O(1D) + H ₂ , D ₂ , HD reactions and H atom yield in O(1D) + HD reaction. <i>Chemical Physics Letters</i> , 1996, 253, 177-183.	2.6	65
7	LIF detection of IO and the rate coefficients for I + O ₃ and IO + NO reactions. <i>Chemical Physics Letters</i> , 1995, 242, 427-434.	2.6	45
8	Atmospheric Chemistry of (Z)-CF ₃ CH=CHCF ₃ : OH Radical Reaction Rate Coefficient and Global Warming Potential. <i>Journal of Physical Chemistry A</i> , 2011, 115, 10539-10549.	2.5	41
9	The CH ₃ CO quantum yield in the 248nm photolysis of acetone, methyl ethyl ketone, and biacetyl. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 199, 336-344.	3.9	36
10	A study of O(1D) reactions with CFC substitutes. <i>Chemical Physics Letters</i> , 1991, 183, 403-409.	2.6	35
11	A study of the Br + IO → I + BrO and the reverse reaction. <i>Chemical Physics Letters</i> , 1997, 272, 75-82.	2.6	25
12	Near-IR absorption of water vapor: Pressure dependence of line strengths and an upper limit for continuum absorption. <i>Journal of Molecular Spectroscopy</i> , 2005, 232, 223-230.	1.2	17
13	Reactive and non-reactive quenching of O(1D ₂) by COF ₂ . <i>Chemical Physics Letters</i> , 1983, 96, 129-132.	2.6	14
14	Rate Coefficient Measurements and Theoretical Analysis of the OH + (E)-CF ₃ CH=CHCF ₃ Reaction. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4635-4646.	2.5	10
15	Analysis of the potential atmospheric impact of the reaction of N ₂ O with OH. <i>Chemical Physics Letters</i> , 2018, 708, 100-105.	2.6	8
16	Ion-molecule reactions in 1,1,2,2-tetrafluorocyclobutane. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1976, 22, 315-326.	1.3	4
17	The atmospheric impact of the reaction of N ₂ O with NO ₃ : A theoretical study. <i>Chemical Physics Letters</i> , 2019, 731, 136605.	2.6	4
18	Formation of HF in the mercury-sensitized photolysis of fluorohydrocarbons. <i>Journal of Photochemistry and Photobiology</i> , 1976, 6, 17-21.	0.6	3

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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	Reaction of N2O with the prototype singlet biradical CH2: A theoretical study. Chemical Physics Letters, 2020, 749, 137446.	2.6	2
21	Gamma-radiolysis of 1,1,2,2-tetrafluorocyclobutane in the gas phase. Radiation Physics and Chemistry (1977), 1977, 10, 183-189.	0.3	1