

Avinash Kumar

List of Publications by Year in descending order

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12
papers

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1936888

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docs citations

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34
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-dependent kinetic study of the photo-oxidation reaction of vinyl butyrate with Cl atoms and fate of the formation of alkoxy radicals. <i>Chemical Physics Letters</i> , 2021, 771, 138500.	1.2	2
2	A Combined Experimental and Theoretical Study to Determine the Kinetics of 2-Ethoxy Ethanol with OH Radical in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8869-8881.	1.1	4
3	Experimental and Computational Investigations of the Tropospheric Photooxidation Reactions of 1,1,1,3,3,3-Hexafluoro-2-Methyl-2-Propanol Initiated by OH Radicals and Cl Atoms. <i>Journal of Physical Chemistry A</i> , 2021, 125, 523-535.	1.1	4
4	Kinetics of IO radicals with ethyl formate and ethyl acetate: a study using cavity ring-down spectroscopy and theoretical methods. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25974-25993.	1.3	2
5	Kinetics, thermochemistry and atmospheric implications for the reaction of OH radicals with CH ₃ CF ₂ CF ₂ (HFO-1243yc). <i>Chemical Physics Letters</i> , 2020, 758, 137933.	1.2	7
6	Tropospheric Photo-oxidation of Ethyl Methacrylate Initiated by Cl Atoms in the Gas Phase: Kinetic and Mechanistic Investigations. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 831-842.	1.2	1
7	Kinetic and Mechanistic Investigation for the Gas-Phase Tropospheric Photo-oxidation Reactions of 2,2,2-Trifluoroethyl Acrylate with OH Radicals and Cl Atoms. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2335-2351.	1.1	1
8	Gas Phase Kinetics and Mechanistic Insights for the Reactions of Cl atoms with Isopropyl Formate and Isobutyl Formate. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9978-9994.	1.1	2
9	Kinetics and Mechanistic Study for Gas Phase Tropospheric Photo-oxidation Reactions of 2,2,2-Trifluoroethyl Methacrylate with OH Radicals and Cl Atoms: An Experimental and Computational Approach. <i>Journal of Physical Chemistry A</i> , 2019, 123, 10868-10884.	1.1	2
10	Cl Atom Initiated Photo-oxidation of Mono-chlorinated Propanes To Form Carbonyl Compounds: A Kinetic and Mechanistic Approach. <i>Journal of Physical Chemistry A</i> , 2019, 123, 723-741.	1.1	18
11	Experimental and computational kinetic investigations for the reactions of Cl atoms with unsaturated ketones in the gas phase. <i>New Journal of Chemistry</i> , 2017, 41, 14299-14314.	1.4	3
12	Kinetic investigations of Cl atom initiated photo-oxidation reactions of cyclic unsaturated hydrocarbons in the gas phase: an experimental and theoretical study. <i>New Journal of Chemistry</i> , 2017, 41, 7491-7505.	1.4	14