Subrata Paul

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6038825/publications.pdf

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22	271	1162367 8	940134 16
papers	citations	h-index	g-index

22	22	22	317
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atmospheric insight into the reaction mechanism and kinetics of isopropenyl methyl ether (i-PME) initiated by OH radicals and subsequent oxidation of product radicals. Environmental Science and Pollution Research, 2021, 28, 45646-45662.	2.7	4
2	Mechanism and kinetics of catalytic oxidation of CO to CO2 over Ptn+and MPtn-1+, (M=Sn, Rh &Ru; n=3,) Tj ETQq0 0 0 rgBT /Overlock	1.0	0
3	Tropospheric Oxidation of 1H-Heptafluorocyclopentene (cyc-CF₂CF₂CF₂CFâ•CHâ˜) with OH Radicals: Reaction Mechanism, Kinetics, and Global Warming Potentials. ACS Earth and Space Chemistry, 2021, 5, 1792-1800.	1.2	9
4	Tropospheric degradation of 2-fluoropropene (CH3CF CH2) initiated by hydroxyl radical: Reaction mechanisms, kinetics and atmospheric implications from DFT study. Chemosphere, 2020, 238, 124556.	4.2	30
5	Atmospheric oxidation of HFE-7300 [n-C2F5CF(OCH3)CF(CF3)2] initiated by â€¢OH/Cl oxidants and subsequent degradation of its product radical: a DFT approach. Environmental Science and Pollution Research, 2020, 27, 907-920.	2.7	8
6	Ring-opening pathway of 2, 4, 6-trichlorophenol initiated by OH radical: an insight from first principle study. Molecular Physics, 2020, 118, e1779364.	0.8	2
7	Atmospheric oxidation of 2-fluoropropene (CH₃CFî€CH₂) with Cl atom and aerial degradation of its product radicals by computational study. New Journal of Chemistry, 2020, 44, 3434-3444.	1.4	10
8	Oxidation pathways, kinetics and branching ratios of chloromethyl ethyl ether (CMEE) initiated by OH radicals and the fate of its product radical: an insight from a computational study. Environmental Sciences: Processes and Impacts, 2019, 21, 1519-1531.	1.7	3
9	Degradation mechanism of propylene carbonate initiated by hydroxyl radical and fate of its product radicals: A hybrid density functional study. Atmospheric Environment, 2019, 216, 116952.	1.9	3
10	Mechanistic investigation of the atmospheric oxidation of bis(2-chloroethyl) ether (ClCH2CH2OCH2CH2Cl) by OH and NO3 radicals and Cl atoms: a DFT approach. Journal of Molecular Modeling, 2019, 25, 43.	0.8	8
11	Atmospheric impact of Z- and E-isomers of CF3CH CHC2F5 molecule initiated by OH radicals: Reaction mechanisms, kinetics and global warming potential. International Journal of Refrigeration, 2019, 101, 167-177.	1.8	8
12	Atmospheric degradation pathways and kinetics of 2,2-difluoroethanol (CHF2CH2OH) with Cl atom: A theoretical investigation. Chemical Physics Letters, 2019, 716, 35-41.	1.2	3
13	Quantum chemical study on the reaction mechanism and kinetics of Cl-initiated oxidation of methyl n-propyl ether. Theoretical Chemistry Accounts, 2018, 137, 1.	0.5	4
14	Quantum mechanical study on the oxidation of ethyl vinyl ketone initiated by an OH radical. Environmental Sciences: Processes and Impacts, 2018, 20, 1708-1715.	1.7	1
15	First Report of Plant-Derived Î²-Sitosterol with Antithrombotic, in Vivo Anticoagulant, and Thrombus-Preventing Activities in a Mouse Model. Journal of Natural Products, 2018, 81, 2521-2530.	1.5	24
16	Kinetics, mechanism, and global warming potentials of HFO-1234yf initiated by O3 molecules and NO3 radicals: insights from quantum study. Environmental Science and Pollution Research, 2018, 25, 26144-26156.	2.7	10
17	Influence of temperature on the solvation of N-methylacetamide in aqueous trehalose solution: A molecular dynamics simulation study. Journal of Molecular Liquids, 2015, 211, 986-999.	2.3	4
18	Molecular Insights into the Role of Aqueous Trehalose Solution on Temperature-Induced Protein Denaturation. Journal of Physical Chemistry B, 2015, 119, 1598-1610.	1.2	35

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19	Exploring the Counteracting Mechanism of Trehalose on Urea Conferred Protein Denaturation: A Molecular Dynamics Simulation Study. Journal of Physical Chemistry B, 2015, 119, 9820-9834.	1.2	27
20	Investigating the Counteracting Effect of Trehalose on Urea-Induced Protein Denaturation Using Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2015, 119, 10975-10988.	1.2	41
21	Trehalose Induced Modifications in the Solvation Pattern of N-Methylacetamide. Journal of Physical Chemistry B, 2014, 118, 1052-1063.	1.2	17
22	The influence of trehalose on hydrophobic interactions of small nonpolar solute: A molecular dynamics simulation study. Journal of Chemical Physics, 2013, 139, 044508.	1.2	20