Jingyu Sun

List of Publications by Year
in descending order

19 papers	152 citations	1307594 7 h-index	1199594 12 g-index
19 all docs	19 docs citations	19 times ranked	71 citing authors

#	Article	IF	Citations
1	New theoretical investigation of mechanism, kinetics, and toxicity in the degradation of dimetridazole and ornidazole by hydroxyl radicals in aqueous phase. Journal of Hazardous Materials, 2022, 422, 126930.	12.4	24
2	Theoretical study on the formation of Criegee intermediates from ozonolysis of pentenal: An example of trans-2-pentenal. Chemosphere, 2022, 303, 135142.	8.2	5
3	Theoretical study on the atmospheric degradation mechanism and subsequent products of E,Eâ€2,4â€hexadienal with hydroxyl radical. International Journal of Quantum Chemistry, 2021, 121, e26563.	2.0	7
4	Atmospheric oxidation of 4â€(<scp>2â€methoxyethyl</scp>) phenol initiated by <scp>OH</scp> radical in the presence of <scp>O₂</scp> and <scp>NO_x</scp>: A mechanistic and kinetic study. International Journal of Quantum Chemistry, 2021, 121, e26650.	2.0	4
5	Theoretical Calculation on the Reaction Mechanisms, Kinetics and Toxicity of Acetaminophen Degradation Initiated by Hydroxyl and Sulfate Radicals in the Aqueous Phase. Toxics, 2021, 9, 234.	3.7	8
6	Quantum chemical study of the mechanisms, kinetics, and ecotoxicity assessment of OH radical-initiated reactions of 2,2â€²,4,4â€²,5,5â€² -hexabrominated diphenyl ether (BDE-153) in atmosphere and wastewater. Chemical Engineering Journal, 2021, 422, 129916.	12.7	9
7	A theoretical study on gas-phase reactions of acrylic acid with chlorine atoms: mechanism, kinetics, and insights. Environmental Science and Pollution Research, 2020, 27, 15772-15784.	5.3	5
8	A quantum theory investigation on atmospheric oxidation mechanisms of acrylic acid by OH radical and its implication for atmospheric chemistry. Environmental Science and Pollution Research, 2018, 25, 24939-24950.	5.3	9
9	A quantum chemical study on Ë™Cl-initiated atmospheric degradation of acrylonitrile. RSC Advances, 2017, 7, 20574-20581.	3.6	3
10	Mechanistic and kinetic study on the reaction of atomic O(3 P) with CH 3 C CCl. Computational and Theoretical Chemistry, 2017, 1112, 61-70.	2.5	1
11	The mechanistic and kinetic investigation on the atmospheric reaction of atomic O(3P) with crotononitrile. Computational and Theoretical Chemistry, 2017, 1099, 140-151.	2.5	1
12	Theoretical investigation on atmospheric reaction of atomic O(3P) with acrylonitrile. Computational and Theoretical Chemistry, 2015, 1052, 17-25.	2.5	3
13	Theoretical study on the gas phase reaction of propargyl alcohol with hydroxyl radical. Journal of Computational Chemistry, 2014, 35, 1646-1656.	3.3	7
14	Mechanistic and kinetic study the reaction of O(3P)Â+ÂCH3CFCH2. Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	8
15	Theoretical study on the gas phase reaction of acrylonitrile with a hydroxyl radical. Physical Chemistry Chemical Physics, 2011, 13, 16585.	2.8	25
16	Theoretical and kinetic study of the H + C₂H₅CN reaction. Journal of Computational Chemistry, 2010, 31, 1126-1134.	3.3	6
17	Theoretical study for the reaction of CH3CN with O(P3). Journal of Chemical Physics, 2010, 132, 064301.	3.0	17
18	Computational study of oxygen atom (3P and 1D) reactions with CF3CN. Physical Chemistry Chemical Physics, 2010, 12, 10846.	2.8	4

#	Article	IF	Citations
19	Theoretical study and rate constant calculation for the O(3P) + C2H5CN reaction. Molecular Physics, 2008, 106, 1379-1387.	1.7	6