

Jingyu Sun

List of Publications by Year in descending order

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Version: 2024-02-01

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	Theoretical study on the gas phase reaction of acrylonitrile with a hydroxyl radical. Physical Chemistry Chemical Physics, 2011, 13, 16585.	2.8	25
2	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
3	Theoretical study for the reaction of CH ₃ CN with O(³ P). Journal of Chemical Physics, 2010, 132, 064301.	3.0	17
4	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
5	Quantum chemical study of the mechanisms, kinetics, and ecotoxicity assessment of OH radical-initiated reactions of 2,2,4,4,5,5-hexabrominated diphenyl ether (BDE-153) in atmosphere and wastewater. Chemical Engineering Journal, 2021, 422, 129916.	12.7	9
6	Mechanistic and kinetic study the reaction of O(³ P) + CH ₃ CFCH ₂ . Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	8
7	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
8	Theoretical study on the gas phase reaction of propargyl alcohol with hydroxyl radical. Journal of Computational Chemistry, 2014, 35, 1646-1656.	3.3	7
9	Theoretical study on the atmospheric degradation mechanism and subsequent products of E,E-2,4-hexadienal with hydroxyl radical. International Journal of Quantum Chemistry, 2021, 121, e26563.	2.0	7
10	Theoretical study and rate constant calculation for the O(³ P) + C ₂ H ₅ CN reaction. Molecular Physics, 2008, 106, 1379-1387.	1.7	6
11	Theoretical and kinetic study of the H + C ₂ H ₅ CN reaction. Journal of Computational Chemistry, 2010, 31, 1126-1134.	3.3	6
12	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
13	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
14	Computational study of oxygen atom (³ P and ¹ D) reactions with CF ₃ CN. Physical Chemistry Chemical Physics, 2010, 12, 10846.	2.8	4
15	Atmospheric oxidation of 4-(2-methoxyethyl) phenol initiated by OH radical in the presence of O ₂ and NO _x : A mechanistic and kinetic study. International Journal of Quantum Chemistry, 2021, 121, e26650.	2.0	4
16	Theoretical investigation on atmospheric reaction of atomic O(³ P) with acrylonitrile. Computational and Theoretical Chemistry, 2015, 1052, 17-25.	2.5	3
17	A quantum chemical study on ³ Cl-initiated atmospheric degradation of acrylonitrile. RSC Advances, 2017, 7, 20574-20581.	3.6	3
18	Mechanistic and kinetic study on the reaction of atomic O(³ P) with CH ₃ CCl. Computational and Theoretical Chemistry, 2017, 1112, 61-70.	2.5	1

#	ARTICLE	IF	CITATIONS
19	The mechanistic and kinetic investigation on the atmospheric reaction of atomic O(3P) with crotonitrile. Computational and Theoretical Chemistry, 2017, 1099, 140-151.	2.5	1