

Sã¡ndor Dã³bã©

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2573396/publications.pdf>

Version: 2024-02-01

38
papers

580
citations

566801

15
h-index

610482

24
g-index

38
all docs

38
docs citations

38
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the uncertainty of kinetic and thermodynamic data on methane flame simulation results. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2568-2578.	1.3	97
2	Theoretical Study of the Kinetics of the Hydrogen Abstraction from Methanol. 2. Reaction of Methanol with Chlorine and Bromine Atoms. <i>Journal of Physical Chemistry A</i> , 1998, 102, 9230-9243.	1.1	54
3	Reaction and complex formation between OH radical and acetone. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 551-555.	1.3	48
4	Theoretical Study of the Kinetics of the Hydrogen Abstraction from Methanol. 1. Reaction of Methanol with Fluorine Atoms. <i>Journal of Physical Chemistry A</i> , 1998, 102, 9219-9229.	1.1	34
5	Kinetics of the reaction between methoxyl radicals and hydrogen atoms. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 2331-2336.	1.7	32
6	Features of the potential energy surface for the reaction of OH radical with acetone. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 333-341.	1.3	31
7	Theoretical study of the reaction OH + acetone: a possible kinetic effect of the presence of water?. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 5172-5177.	1.3	26
8	Kinetics and mechanism of the reactions of CH ₃ CO and CH ₃ C(O)CH ₂ radicals with O ₂ . Low-pressure discharge flow experiments and quantum chemical computations. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 4142.	1.3	26
9	Photochemistry of Methyl Ethyl Ketone: Quantum Yields and S ₁ /S ₀ Radical Mechanism of Photodissociation. <i>ChemPhysChem</i> , 2010, 11, 3883-3895.	1.0	23
10	Exciplex laser photolysis study of acetone with relevance to tropospheric chemistry. <i>Chemical Physics Letters</i> , 2007, 440, 31-35.	1.2	21
11	Direct Kinetic Study of Reactions of Hydroxyl Radicals with Alkyl Formates. <i>Zeitschrift Fur Physikalische Chemie</i> , 2004, 218, 479-492.	1.4	19
12	Theoretical enthalpy of formation of the acetyl radical. <i>Chemical Physics Letters</i> , 2003, 373, 350-356.	1.2	17
13	Absolute rate constants for the reactions of OH radicals with CH ₃ CH ₂ OH, CF ₂ HCH ₂ OH and CF ₃ CH ₂ OH. <i>Reaction Kinetics and Catalysis Letters</i> , 2005, 87, 129-138.	0.6	17
14	Laser spectrometry and kinetics of selected elementary reactions of the acetyl radical. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3958-3968.	1.3	16
15	Atmospheric Chemistry of 2,3-Pentanedione: Photolysis and Reaction with OH Radicals. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9160-9168.	1.1	16
16	Theoretical enthalpies of formation for atmospheric hydroxycarbonyls. <i>Computational and Theoretical Chemistry</i> , 2005, 713, 119-125.	1.5	12
17	Experimental and Theoretical Study on the OH-Reaction Kinetics and Photochemistry of Acetyl Fluoride (CH ₃ C(O)F), an Atmospheric Degradation Intermediate of HFC-161 (C ₂ H ₅ F). <i>Journal of Physical Chemistry A</i> , 2015, 119, 7753-7765.	1.1	10
18	Photochemical and photophysical study on the kinetics of the atmospheric photodissociation of acetone. <i>Reaction Kinetics and Catalysis Letters</i> , 2009, 96, 437-446.	0.6	9

#	ARTICLE	IF	CITATIONS
19	Kinetic isotope effect in the reaction of OH radical with acetone-D6. Reaction Kinetics and Catalysis Letters, 2003, 80, 351-358.	0.6	8
20	Kinetics of the OH-radical initiated reactions of acetic acid and its deuterated isomers. Reaction Kinetics and Catalysis Letters, 2009, 96, 299-309.	0.6	8
21	Synthesis and characterization of Al-magadiite and its catalytic behavior in 1,4-pentanediol dehydration. Reaction Kinetics, Mechanisms and Catalysis, 2017, 121, 275-292.	0.8	7
22	Catalytic hydrodenitrogenation of propionitrile over supported nickel phosphide catalysts as a model reaction for the transformation of pyrolysis oil obtained from animal by-products. Reaction Kinetics, Mechanisms and Catalysis, 2015, 115, 217-230.	0.8	6
23	Heterogeneous hydroconversion of levulinic acid over silica-supported Ni catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 795-810.	0.8	6
24	Competitive bromination kinetics of CH3Br and CH2ClBr. Reaction Kinetics and Catalysis Letters, 2003, 78, 309-314.	0.6	4
25	Rate constant for the reaction of CH3C(O)CH2 radical with HBr and its thermochemical implication. International Journal of Chemical Kinetics, 2006, 38, 32-37.	1.0	4
26	OH yields for C2H5CO+O2 at low pressure: Experiment and theory. Chemical Physics Letters, 2010, 495, 179-181.	1.2	4
27	Direct and relative rate coefficients for the gas-phase reaction of OH radicals with 2-methyltetrahydrofuran at room temperature. Reaction Kinetics, Mechanisms and Catalysis, 2016, 119, 5-18.	0.8	4
28	Rate Constant for the Reaction of the OH-Radical with CH2F2. Reaction Kinetics and Catalysis Letters, 2000, 70, 319-324.	0.6	3
29	Rate constant for the reaction CH3CO+ + HBr and the enthalpy of formation of the CH3CO radical. Reaction Kinetics and Catalysis Letters, 2005, 86, 355-361.	0.6	3
30	Direct kinetic study of the reaction of OH radicals with methyl-ethyl-ketone. Reaction Kinetics and Catalysis Letters, 2008, 95, 365-371.	0.6	3
31	Kinetic study of the reaction of CH3O with Br and Br2. Reaction Kinetics and Catalysis Letters, 2002, 77, 341-345.	0.6	2
32	Rate constant for the reaction of OH radicals with CH3C(O)Cl determined by direct kinetic method. Reaction Kinetics and Catalysis Letters, 2006, 89, 193-199.	0.6	2
33	Rate constant for the reaction of bromine atoms with ethane: Kinetic and thermochemical implications. Reaction Kinetics and Catalysis Letters, 2008, 95, 355-363.	0.6	2
34	Kinetics and mechanism of the reaction of acetyl radical, CH3C(O)CH2, with Br2. Chemical Physics Letters, 2013, 568-569, 59-62.	1.2	2
35	Title is missing!. Reaction Kinetics and Catalysis Letters, 2001, 73, 291-296.	0.6	1
36	Polar effect in the reaction of CH3O with HBr. Reaction Kinetics and Catalysis Letters, 2004, 83, 315-320.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Inside Cover: Photochemistry of Methyl Ethyl Ketone: Quantum Yields and Singlet Oxygen Radical Mechanism of Photodissociation (ChemPhysChem 18/2010). ChemPhysChem, 2010, 11, 3774-3774.	1.0	1
38	Direct rate constant for the reaction of OH radicals with the biofuel molecule ethyl levulinate. Reaction Kinetics, Mechanisms and Catalysis, 2011, 104, 251-257.	0.8	1