SÃ¡ndor DÃ³bÃ©

List of Publications by Year
in descending order

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38	580	567144	610775
papers	citations	15 h-index	24 g-index

38	38	38	613
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heterogeneous hydroconversion of levulinic acid over silica-supported Ni catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 795-810.	0.8	6
2	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
3	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
4	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
5	Experimental and Theoretical Study on the OH-Reaction Kinetics and Photochemistry of Acetyl Fluoride (CH3C(O)F), an Atmospheric Degradation Intermediate of HFC-161 (C2H5F). Journal of Physical Chemistry A, 2015, 119, 7753-7765.	1.1	10
6	Kinetics and mechanism of the reaction of acetonyl radical, CH3C(O)CH2, with Br2. Chemical Physics Letters, 2013, 568-569, 59-62.	1.2	2
7	Atmospheric Chemistry of 2,3-Pentanedione: Photolysis and Reaction with OH Radicals. Journal of Physical Chemistry A, 2011, 115, 9160-9168.	1.1	16
8	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
9	OH yields for C2H5CO+O2 at low pressure: Experiment and theory. Chemical Physics Letters, 2010, 495, 179-181.	1.2	4
10	Photochemistry of Methyl Ethyl Ketone: Quantum Yields and S₁/S₀â€Diradical Mechanism of Photodissociation. ChemPhysChem, 2010, 11, 3883-3895.	1.0	23
11	Inside Cover: Photochemistry of Methyl Ethyl Ketone: Quantum Yields and S₁/S₀â€Diradical Mechanism of Photodissociation (ChemPhysChem 18/2010). ChemPhysChem, 2010, 11, 3774-3774.	1.0	1
12	Kinetics of the â€¢OH-radical initiated reactions of acetic acid and its deuterated isomers. Reaction Kinetics and Catalysis Letters, 2009, 96, 299-309.	0.6	8
13	Photochemical and photophysical study on the kinetics of the atmospheric photodissociation of acetone. Reaction Kinetics and Catalysis Letters, 2009, 96, 437-446.	0.6	9
14	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
15	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
16	Kinetics and mechanism of the reactions of CH3CO and CH3C(O)CH2 radicals with O2. Low-pressure discharge flow experiments and quantum chemical computations. Physical Chemistry Chemical Physics, 2007, 9, 4142.	1.3	26
17	Exciplex laser photolysis study of acetone with relevance to tropospheric chemistry. Chemical Physics Letters, 2007, 440, 31-35.	1.2	21
18	Rate constant for the reaction of OH radicals with CH3C(O)Cl determined by direct kinetic methodÂ. Reaction Kinetics and Catalysis Letters, 2006, 89, 193-199.	0.6	2

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19	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
20	Theoretical enthalpies of formation for atmospheric hydroxycarbonyls. Computational and Theoretical Chemistry, 2005, 713, 119-125.	1.5	12
21	Rate constant for the reaction CH3COâ€¢+ HBr and the enthalpy of formation of the CH3COâ€¢radical. Reaction Kinetics and Catalysis Letters, 2005, 86, 355-361.	0.6	3
22	Absolute rate constants for the reactions ofOHradicals withCH3CH2OH, CF2HCH2OHandCF3CH2OH<o:p>. Reaction Kinetics and Catalysis Letters, 2005, 87, 129-138.	0.6	17
23	Polar effect in the reaction of CH3O with HBr. Reaction Kinetics and Catalysis Letters, 2004, 83, 315-320.	0.6	1
24	Theoretical study of the reaction OH + acetone: a possible kinetic effect of the presence of water?. Physical Chemistry Chemical Physics, 2004, 6, 5172-5177.	1.3	26
25	Laser spectrometry and kinetics of selected elementary reactions of the acetonyl radical. Physical Chemistry Chemical Physics, 2004, 6, 3958-3968.	1.3	16
26	Direct Kinetic Study of Reactions of Hydroxyl Radicals with Alkyl Formates. Zeitschrift Fur Physikalische Chemie, 2004, 218, 479-492.	1.4	19
27	Kinetic isotope effect in the reaction of oh radical with acetone-D6. Reaction Kinetics and Catalysis Letters, 2003, 80, 351-358.	0.6	8
28	Competitive bromination kinetics of CH3Br and CH2ClBr. Reaction Kinetics and Catalysis Letters, 2003, 78, 309-314.	0.6	4
29	Theoretical enthalpy of formation of the acetonyl radical. Chemical Physics Letters, 2003, 373, 350-356.	1.2	17
30	Features of the potential energy surface for the reaction of OH radical with acetone. Physical Chemistry Chemical Physics, 2003, 5, 333-341.	1.3	31
31	Effect of the uncertainty of kinetic and thermodynamic data on methane flame simulation results. Physical Chemistry Chemical Physics, 2002, 4, 2568-2578.	1.3	97
32	Kinetic study of the reaction of CH3O with Br and Br2. Reaction Kinetics and Catalysis Letters, 2002, 77, 341-345.	0.6	2
33	Reaction and complex formation between OH radical and acetone. Physical Chemistry Chemical Physics, 2001, 3, 551-555.	1.3	48
34	Title is missing!. Reaction Kinetics and Catalysis Letters, 2001, 73, 291-296.	0.6	1
35	Rate Constant for the Reaction of the OH-Radical with CH2F2. Reaction Kinetics and Catalysis Letters, 2000, 70, 319-324.	0.6	3
36	Theoretical Study of the Kinetics of the Hydrogen Abstraction from Methanol. 1. Reaction of Methanol with Fluorine Atoms. Journal of Physical Chemistry A, 1998, 102, 9219-9229.	1.1	34

#	Article	IF	Citations
37	Theoretical Study of the Kinetics of the Hydrogen Abstraction from Methanol. 2. Reaction of Methanol with Chlorine and Bromine Atoms. Journal of Physical Chemistry A, 1998, 102, 9230-9243.	1.1	54
38	Kinetics of the reaction between methoxyl radicals and hydrogen atoms. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 2331-2336.	1.7	32