

N I Butkovskaya

List of Publications by Year in descending order

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16
papers

330
citations

840776

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940533

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16
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared chemiluminescence from water-forming reactions: Characterization of dynamics and mechanisms. <i>International Reviews in Physical Chemistry</i> , 2003, 22, 1-72.	2.3	52
2	Infrared Chemiluminescence Study of the Reactions of Hydroxyl Radicals with Formaldehyde and Formyl Radicals with H, OH, NO, and NO ₂ . <i>Journal of Physical Chemistry A</i> , 1998, 102, 9715-9728.	2.5	36
3	Chemical Dynamics of H Abstraction by OH Radicals: Vibrational Excitation of H ₂ O, HOD, and D ₂ O Produced in Reactions of OH and OD with HBr and DBr. <i>The Journal of Physical Chemistry</i> , 1996, 100, 4853-4866.	2.9	33
4	Product Branching Fractions and Kinetic Isotope Effects for the Reactions of OH and OD Radicals with CH ₃ SH and CH ₃ SD. <i>Journal of Physical Chemistry A</i> , 1999, 103, 6921-6929.	2.5	32
5	Vibrational excitation of H ₂ O and HOD molecules produced by reactions of OH and OD with cyclo-C ₆ H ₁₂ , n-C ₄ H ₁₀ , neo-C ₅ H ₁₂ , HCl, DCl and NH ₃ as studied by infrared chemiluminescence. <i>Journal of Chemical Physics</i> , 1998, 108, 2434-2447.	3.0	31
6	Chemical Dynamics of the OH and OD Radical Reactions with H ₂ S, CH ₃ SCH ₃ , and CH ₃ SH Studied by Infrared Chemiluminescence. <i>Journal of Physical Chemistry A</i> , 1998, 102, 6395-6405.	2.5	28
7	Dynamics of OH and OD radical reactions with HI and GeH ₄ as studied by infrared chemiluminescence of the H ₂ O and HDO products. <i>Journal of Chemical Physics</i> , 1997, 106, 5028-5042.	3.0	27
8	Observation of the Unimolecular Decomposition Pathways of Chemically Activated Acetic Acid by Fourier Transform Infrared Emission Spectrometry. <i>The Journal of Physical Chemistry</i> , 1995, 99, 11115-11121.	2.9	24
9	Infrared Chemiluminescence Study of the Reaction of Hydroxyl Radical with Acetaldehyde and the Secondary Reactions of Acetyl Radical with NO ₂ , OH, and H. <i>Journal of Physical Chemistry A</i> , 2000, 104, 9428-9435.	2.5	19
10	Branching Ratios and Vibrational Distributions in Water-Forming Reactions of OH and OD Radicals with Methylamines. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6698-6711.	2.5	12
11	Unimolecular decomposition of chemically activated deuterio-substituted ethanol molecules studied by infrared chemiluminescence from H ₂ O, HOD, and D ₂ O. <i>Journal of Chemical Physics</i> , 1996, 105, 8064-8074.	3.0	11
12	Reactions of OH and OD radicals with simple thiols and sulfides studied by infrared chemiluminescence of isotopic water products: Reaction OH + CH ₃ SH revisited. <i>International Journal of Chemical Kinetics</i> , 2021, 53, 702-715.	1.6	7
13	Infrared Chemiluminescence Study of the Reaction of Hydroxyl Radical with Formamide and the Secondary Unimolecular Reaction of Chemically Activated Carbamic Acid. <i>Journal of Physical Chemistry A</i> , 2018, 122, 3735-3746.	2.5	6
14	Determination of the Rate Constant of the Reaction of Benzene with Atomic Fluorine by the Method of Competing Reactions. <i>Russian Journal of Physical Chemistry B</i> , 2021, 15, 789-794.	1.3	5
15	Theoretical and experimental revision of the water bending excitation in the OH/OD + GeH ₄ reactions. <i>Theoretical Chemistry Accounts</i> , 2019, 138, 1.	1.4	4
16	Rate constants and vibrational distributions for water-forming reactions of OH and OD radicals with thioacetic acid, 1,2-ethanedithiol and tert-butanol. <i>International Journal of Chemical Kinetics</i> , 2019, 51, 395-404.	1.6	3