

Michel J Rossi

List of Publications by Year in descending order

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159
papers

11,543
citations

76031

42
h-index

35168

102
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184
all docs

184
docs citations

184
times ranked

8486
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence of reactive functional groups at the interface of a powdered activated amorphous carbon: a molecular view. <i>Molecular Physics</i> , 2021, 119, .	0.8	3
2	Formation of highly oxygenated organic molecules from aromatic compounds. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1909-1921.	1.9	133
3	The influence of HCl on the evaporation rates of H ₂ O over water ice in the range 188 to 210 K at small average concentrations. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15903-15919.	1.9	1
4	Chemical characterization of diesel and hydrotreated vegetable oil (HVO) soot after reactive gas probing using diffuse reflectance FTIR spectroscopy (DRIFTS). <i>Environmental Science and Pollution Research</i> , 2017, 24, 7534-7543.	2.7	8
5	Reactive Uptake of Sulfur Dioxide and Ozone on Volcanic Glass and Ash at Ambient Temperature. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,077.	1.2	19
6	Chemical characterization of atmospheric ions at the high altitude research station Jungfraujoch (Switzerland). <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2613-2629.	1.9	24
7	Perspectives on the Future of Ice Nucleation Research: Research Needs and Unanswered Questions Identified from Two International Workshops. <i>Atmosphere</i> , 2017, 8, 138.	1.0	56
8	Frontispiece: Metastable Nitric Acid Trihydrate in Ice Clouds. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	7.2	1
9	Metastabiles Salpetersäuretrihydrat in Eiswolken. <i>Angewandte Chemie</i> , 2016, 128, 3334-3338.	1.6	0
10	Controls on the surface chemical reactivity of volcanic ash investigated with probe gases. <i>Earth and Planetary Science Letters</i> , 2016, 450, 254-262.	1.8	19
11	Heterogeneous kinetics of H ₂ O, HNO ₃ and HCl on HNO ₃ hydrates (<i>NAT, <i>I ² <i>NAT, NAD) in the range 175–200 K. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11937-11960.	1.9	3
12	Frontispiz: Metastabiles Salpetersäuretrihydrat in Eiswolken. <i>Angewandte Chemie</i> , 2016, 128, .	1.6	0
13	Metastable Nitric Acid Trihydrate in Ice Clouds. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3276-3280.	7.2	12
14	Molecular Characterization of the Gas–Particle Interface of Soot Sampled from a Diesel Engine Using a Titration Method. <i>Environmental Science & Technology</i> , 2016, 50, 2946-2955.	4.6	15
15	Quantitative Aspects of the Interfacial Catalytic Oxidation of Dithiothreitol by Dissolved Oxygen in the Presence of Carbon Nanoparticles. <i>Environmental Science & Technology</i> , 2016, 50, 996-1004.	4.6	18
16	The mid-IR Absorption Cross Sections of HNO_3 and I^2NAT ($\text{HNO}_3 \cdot 2\text{H}_2\text{O}$) in the range 170 to 185 K and of metastable NAD ($\text{HNO}_3 \cdot 2\text{H}_2\text{O}$) in the range 172 to 182 K. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 11,707.		
17	The Kinetics of the Reaction $\text{C}_2\text{H}_5 + \text{HCl} \rightarrow \text{C}_2\text{H}_6 + \text{Cl}$ over an Extended Temperature Range (213–623 K): Experiment and Modeling. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 1475-1501.		
18	The use of heterogeneous chemistry for the characterization of functional groups at the gas/particle interface of soot from a diesel engine at a particular running condition. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4863-4872.	2.7	12

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19	The Measurement of the Rate Parameters for the Reactions $i\text{-C}_3\text{H}_7\text{H}^\bullet$ and $n\text{-C}_3\text{H}_7\text{H}^\bullet + \text{HI} \rightarrow \text{C}_3\text{H}_8 + \text{I}^\bullet$ over the Temperature Range 293-623 K: Implications for the Standard Heat of Formation of the Propyl Radicals. <i>International Journal of Chemical Kinetics</i> , 2014, 46, 305-320.	1.0	6
20	The Reinvestigation of the Kinetics of the Metathesis Reactions $t\text{-C}_4\text{H}_9^\bullet + \text{HBr (HI)} \rightarrow i\text{-C}_4\text{H}_9^\bullet + \text{Br}^\bullet$ ($i\text{-C}_4\text{H}_9^\bullet$) and of the $t\text{-C}_4\text{H}_9^\bullet$ Free Radical Thermochemistry. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5135-5148.	1.1	9
21	H_2O and HCl trace gas kinetics on crystalline HCl hydrates and amorphous HCl / H_2O phase diagram revisited. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5183-5204.	1.9	7
22	$\delta^{15}\text{N}$ measurement of organic and inorganic substances by EA-IRMS: a speciation-dependent procedure. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 159-176.	1.9	30
23	Reinvestigation of the Elementary Chemical Kinetics of the Reaction $\text{C}_2\text{H}_5^\bullet + \text{HBr (HI)} \rightarrow \text{C}_2\text{H}_6 + \text{Br}^\bullet$ ($i\text{-C}_2\text{H}_5^\bullet$) in the Range 293-623 K and Its Implication on the Thermochemical Parameters of $\text{C}_2\text{H}_5^\bullet$ Free Radical. <i>Journal of Physical Chemistry A</i> , 2013, 117, 11383-11402.	1.1	14
24	Transient mid-IR study of electron dynamics in TiO_2 conduction band. <i>Analyst</i> , 2013, 138, 1966.	1.7	19
25	Comparison of Three Acellular Tests for Assessing the Oxidation Potential of Nanomaterials. <i>Aerosol Science and Technology</i> , 2013, 47, 218-227.	1.5	52
26	Effusive molecular beam-sampled Knudsen flow reactor coupled to vacuum ultraviolet single photon ionization mass spectrometry using an external free radical source. <i>Review of Scientific Instruments</i> , 2013, 84, 114104.	0.6	2
27	Evaluated kinetic and photochemical data for atmospheric chemistry: Volume VI - heterogeneous reactions with liquid substrates. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8045-8228.	1.9	167
28	The metastable $\text{HCl} \cdot 6\text{H}_2\text{O}$ phase - IR spectroscopy, phase transitions and kinetic/thermodynamic properties in the range 170-205 K. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 11905-11923.	1.9	8
29	Corrigendum to "Evaluated kinetic and photochemical data for atmospheric chemistry: Volume V - heterogeneous reactions on solid substrates" published in <i>Atmos. Chem. Phys.</i> 10, 9059-9223, 2010. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7359-7359.	1.9	9
30	Coating carbon nanotubes with a polystyrene-based polymer protects against pulmonary toxicity. <i>Particle and Fibre Toxicology</i> , 2011, 8, 3.	2.8	74
31	Biomarkers of oxidative stress and its association with the urinary reducing capacity in bus maintenance workers. <i>Journal of Occupational Medicine and Toxicology</i> , 2011, 6, 18.	0.9	39
32	Evaluated kinetic and photochemical data for atmospheric chemistry: Volume V - heterogeneous reactions on solid substrates. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9059-9223.	1.9	312
33	Probing Functional Groups at the Gas-Aerosol Interface Using Heterogeneous Titration Reactions: A Tool for Predicting Aerosol Health Effects?. <i>ChemPhysChem</i> , 2010, 11, 3823-3835.	1.0	23
34	Heterogeneous Chemistry of Cl_2O and HOCl on Frozen Natural Sea Salt, Recrystallized Sea Salt, KCl and NaCl Solutions at 200 and 215 K. <i>Zeitschrift Fur Physikalische Chemie</i> , 2010, 224, 1119-1150.	1.4	0
35	An overview of current issues in the uptake of atmospheric trace gases by aerosols and clouds. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10561-10605.	1.9	352
36	Characterization of surface functional groups present on laboratory-generated and ambient aerosol particles by means of heterogeneous titration reactions. <i>Journal of Aerosol Science</i> , 2009, 40, 534-548.	1.8	12

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37	The use of heterogeneous chemistry for the characterization of functional groups at the gas/particle interface of soot and TiO ₂ nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6205.	1.3	31
38	Thermochemical properties from ab initio calculations: C_3H_3 and C_4H_3 Free radicals of importance in soot formation: C_3H_3 (propargyl), C_4H_3 (phenalenyl), C_6H_5 (phenyl), C_{10}H_7 (naphthyl), C_{14}H_9 (anthryl), C_{14}H_9 (phenanthryl), C_{16}H_9	1.0	12
39	Adverse Effects of Industrial Multiwalled Carbon Nanotubes on Human Pulmonary Cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2008, 72, 60-73.	1.1	129
40	Evaluated kinetic and photochemical data for atmospheric chemistry: Volume IV "gas phase reactions of organic halogen species. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4141-4496.	1.9	221
41	Heterogeneous Chemistry of the NO ₃ Free Radical and N ₂ O ₅ on Decane Flame Soot at Ambient Temperature: Reaction Products and Kinetics. <i>Journal of Physical Chemistry A</i> , 2007, 111, 1914-1926.	1.1	44
42	The heterogeneous kinetics of HOBr and HOCl on acidified sea salt and model aerosol at 40% relative humidity and ambient temperature. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3988-4001.	1.3	24
43	The Kinetics of H ₂ O Vapor Condensation and Evaporation on Different Types of Ice in the Range 130~210 K. <i>Journal of Physical Chemistry A</i> , 2006, 110, 3042-3058.	1.1	47
44	Uptake of CO ₂ , SO ₂ , HNO ₃ and HCl on Calcite (CaCO ₃) at 300 K: Mechanism and the Role of Adsorbed Water. <i>Journal of Physical Chemistry A</i> , 2006, 110, 6789-6802.	1.1	64
45	The heterogeneous chemical kinetics of N_2O_5 on CaCO_3 and other atmospheric mineral dust surrogates. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 1373-1388.	1.9	70
46	Evaluated kinetic and photochemical data for atmospheric chemistry: Volume II "gas phase reactions of organic species. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 3625-4055.	1.9	1,508
47	The heterogeneous decomposition of ozone on atmospheric mineral dust surrogates at ambient temperature. <i>International Journal of Chemical Kinetics</i> , 2006, 38, 407-419.	1.0	15
48	IUPAC Critical Evaluation of Thermochemical Properties of Selected Radicals. Part 1.. <i>ChemInform</i> , 2005, 36, no.	0.1	1
49	The Heterogeneous Reaction of NO ₂ with NH ₄ Cl: A Molecular Diffusion Tube Study. <i>Journal of Atmospheric Chemistry</i> , 2005, 50, 171-194.	1.4	5
50	The heterogeneous chemical kinetics of NO ₃ on atmospheric mineral dust surrogates. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 3150.	1.3	57
51	The heterogeneous interaction of HOCl with solid KBr substrates: The catalytic role of adsorbed halogens. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 2599.	1.3	6
52	Influence of Monolayer Amounts of HNO ₃ on the Evaporation Rate of H ₂ O over Ice in the Range 179 to 208 K: A Quartz Crystal Microbalance Study. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7151-7165.	1.1	21
53	IUPAC Critical Evaluation of Thermochemical Properties of Selected Radicals. Part I. <i>Journal of Physical and Chemical Reference Data</i> , 2005, 34, 573-656.	1.9	283
54	Thermochemical properties from G3MP2B3 calculations, Set-2: Free radicals with special consideration of CH_2CH_2 , cyclo C_5H_5 , CH_2OOH , HO_2CO , and HC(O)O . <i>International Journal of Chemical Kinetics</i> , 2004, 36, 661-686.	1.0	35

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55	Heterogeneous interaction of Br ₂ , Cl ₂ and Cl ₂ O with solid KBr and NaCl substrates: The role of adsorbed H ₂ O and halogens. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3447.	1.3	6
56	The kinetics of condensation and evaporation of H ₂ O from pure ice in the range 173–223 K: a quartz crystal microbalance study. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4665-4676.	1.3	33
57	Chemical Kinetics of the Interaction of H ₂ O Vapor with Soot in the Range 190 K ≤ T ≤ 300 K: A Diffusion Tube Study. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10667-10680.	1.1	23
58	Evaluated kinetic and photochemical data for atmospheric chemistry: Volume I - gas phase reactions of O ₃ , HO ₂ , NO ₂ , and SO ₂ species. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 1461-1738.	1.9	1,597
59	Kinetic model for non-sticky collisions in pulsed molecular diffusion tube experiments. <i>Surface Science</i> , 2003, 542, 150-159.	0.8	0
60	Heterogeneous Reactions on Salts. <i>Chemical Reviews</i> , 2003, 103, 4823-4882.	23.0	194
61	Common Precursor Mechanism for the Heterogeneous Reaction of D ₂ O, HCl, HBr, and HOBr with Water Ice in the Range 170–230 K: Mass Accommodation Coefficients on Ice. <i>Journal of Physical Chemistry A</i> , 2003, 107, 4103-4115.	1.1	28
62	The nature of the interface and the diffusion coefficient of HCl/ice and HBr/ice in the temperature range 190–205 K. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4157-4169.	1.3	10
63	The rate of water vapor evaporation from ice substrates in the presence of HCl and HBr: implications for the lifetime of atmospheric ice particles. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 1131-1145.	1.9	35
64	Heterogeneous Hydrolysis and Reaction of BrONO ₂ and Br ₂ O on Pure Ice and Ice Doped with HBr. <i>Journal of Physical Chemistry A</i> , 2002, 106, 5891-5901.	1.1	12
65	Heterogeneous reactions of HNO ₃ with flame soot generated under different combustion conditions. Reaction mechanism and kinetics. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 5110-5118.	1.3	32
66	Can soot particles emitted by airplane exhaust contribute to the formation of aviation contrails and cirrus clouds?. <i>Geophysical Research Letters</i> , 2002, 29, 1-1-1-4.	1.5	24
67	Thermochemical properties of free radicals from G3MP2B3 calculations. <i>International Journal of Chemical Kinetics</i> , 2002, 34, 550-560.	1.0	53
68	Flame soot generated under controlled combustion conditions: Heterogeneous reaction of NO ₂ on hexane soot. <i>International Journal of Chemical Kinetics</i> , 2002, 34, 620-631.	1.0	41
69	The kinetics of the uptake of HNO ₃ on ice, solid H ₂ SO ₄ –H ₂ O and solid ternary solutions of H ₂ SO ₄ –HNO ₃ –H ₂ O in the temperature range 180–211 K. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 3707-3716.	1.3	23
70	Evaluated Kinetic and Photochemical Data for Atmospheric Chemistry: Supplement VIII, Halogen Species Evaluation for Atmospheric Chemistry. <i>Journal of Physical and Chemical Reference Data</i> , 2000, 29, 167-266.	1.9	183
71	Properties of the HCl/ice, HBr/ice, and H ₂ O/ice Interface at Stratospheric Temperatures (200 K) and Its Importance for Atmospheric Heterogeneous Reactions. <i>Journal of Physical Chemistry A</i> , 2000, 104, 11739-11750.	1.1	32
72	Heterogeneous Chemistry of HOBr on Different Types of Ice and on Ice Doped with HCl, HBr, and HNO ₃ at 175 K < T < 215 K. <i>Journal of Physical Chemistry A</i> , 2000, 104, 7268-7277.	1.1	12

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73	Reactivity of NO ₂ and H ₂ O on soot generated in the laboratory: a diffusion tube study at ambient temperature. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 5584-5593.	1.3	41
74	The reactivity of NO ₂ and HONO on flame soot at ambient temperature: The influence of combustion conditions. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 5420-5429.	1.3	87
75	Evaluated Kinetic and Photochemical Data for Atmospheric Chemistry, Organic Species: Supplement VII. <i>Journal of Physical and Chemical Reference Data</i> , 1999, 28, 191-393.	1.9	338
76	Heterogeneous reactivity of the nitrate radical: reactions on halogen salt at ambient temperature and on ice in the presence of HX (X=Cl, Br, I) at 190 K. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 2257-2266.	1.3	21
77	The kinetics of the heterogeneous reaction of BrONO ₂ with solid alkali halides at ambient temperature. A comparison with the interaction of ClONO ₂ on NaCl and KBr. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 4337-4346.	1.3	22
78	A molecular diffusion tube study of N ₂ O ₅ and HONO ₂ interacting with NaCl and KBr at ambient temperature. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 2687-2694.	1.3	19
79	The heterogeneous reaction of N ₂ O ₅ with HBr on Ice comparison with N ₂ O ₅ +HCl. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1998, 102, 811-820.	0.9	16
80	Real time kinetics and thermochemistry of the uptake of HCl, HBr and HI on water ice in the temperature range 190 to 210 K. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1998, 102, 915-928.	0.9	26
81	Real-Time Kinetic Measurements of the Condensation and Evaporation of D ₂ O Molecules on Ice at 140 K <T< 220 K. <i>Journal of Physical Chemistry A</i> , 1998, 102, 10300-10309.	1.1	41
82	Reactivity of BrNO ₂ and ClNO ₂ with Solid Alkali Salt Substrates. <i>Journal of Physical Chemistry A</i> , 1998, 102, 7470-7479.	1.1	12
83	Heterogeneous Kinetics of the Uptake of HOBr on Solid Alkali Metal Halides at Ambient Temperature. <i>Journal of Physical Chemistry A</i> , 1998, 102, 4819-4828.	1.1	38
84	Direct Measurement of Surface Residence Times: Nitryl Chloride and Chlorine Nitrate on Alkali Halides at Room Temperature. <i>Journal of Physical Chemistry A</i> , 1998, 102, 9193-9201.	1.1	14
85	The chemical kinetics of HONO formation resulting from heterogeneous interaction of NO ₂ with flame soot. <i>Geophysical Research Letters</i> , 1998, 25, 2453-2456.	1.5	108
86	Paper II: Simulation of flow conditions in low-pressure flow reactors (Knudsen cells) using a Monte Carlo technique. <i>Review of Scientific Instruments</i> , 1997, 68, 3180-3186.	0.6	29
87	Paper I: Design and construction of a Knudsen-cell reactor for the study of heterogeneous reactions over the temperature range 130-750 K: Performances and limitations. <i>Review of Scientific Instruments</i> , 1997, 68, 3172-3179.	0.6	84
88	Evaluated Kinetic and Photochemical Data for Atmospheric Chemistry: Supplement VI. IUPAC Subcommittee on Gas Kinetic Data Evaluation for Atmospheric Chemistry. <i>Journal of Physical and Chemical Reference Data</i> , 1997, 26, 1329-1499.	1.9	661
89	Real-Time Kinetics of the Uptake of ClONO ₂ on Ice and in the Presence of HCl in the Temperature Range 160 K to 200 K. <i>Journal of Physical Chemistry A</i> , 1997, 101, 1903-1911.	1.1	69
90	Heterogeneous Reaction of NO ₃ with Ice and Sulfuric Acid Solutions: Upper Limits for the Uptake Coefficients. <i>Journal of Physical Chemistry A</i> , 1997, 101, 4110-4113.	1.1	16

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91	Evaluated Kinetic, Photochemical and Heterogeneous Data for Atmospheric Chemistry: Supplement V. IUPAC Subcommittee on Gas Kinetic Data Evaluation for Atmospheric Chemistry. Journal of Physical and Chemical Reference Data, 1997, 26, 521-1011.	1.9	903
92	The heterogeneous reaction of NO ₃ with NaCl and KBr: A nonphotolytic source of halogen atoms. Geophysical Research Letters, 1997, 24, 2757-2760.	1.5	37
93	The heterogeneous reaction of HONO and HBr on ice and on sulfuric acid. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1997, 101, 943-955.	0.9	12
94	Gas-phase UV spectroscopy of anthracene, xanthone, pyrene, 1-bromopyrene and 1,2,4-trichlorobenzene at elevated temperatures. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 104, 25-33.	2.0	43
95	UV photon-assisted incineration of polycyclic aromatic hydrocarbons at elevated temperatures between 150 and 800 °C. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 109, 267-280.	2.0	4
96	The heterogeneous formation of N ₂ O in the presence of acidic solutions: Experiments and modeling. International Journal of Chemical Kinetics, 1997, 29, 869-891.	1.0	17
97	Real-time measurement of residence times of gas molecules on solid surfaces. Chemical Physics Letters, 1997, 275, 253-260.	1.2	15
98	Enhanced Thermal Destruction of Anthracene Vapor upon Laser Irradiation at 248 nm in the 150~800 °C Range. Environmental Science & Technology, 1996, 30, 1789-1793.	4.6	3
99	The heterogeneous formation of N ₂ O over bulk condensed phases in the presence of SO ₂ at high humidities. Journal of Atmospheric Chemistry, 1996, 25, 229-250.	1.4	12
100	Heterogeneous Kinetics of N ₂ O ₅ Uptake on Salt, with a Systematic Study of the Role of Surface Presentation (for N ₂ O ₅ and HNO ₃). The Journal of Physical Chemistry, 1996, 100, 1008-1019.	2.9	97
101	Heterogeneous Kinetics of the Uptake of ClONO ₂ on NaCl and KBr. The Journal of Physical Chemistry, 1996, 100, 7494-7501.	2.9	37
102	Heterogeneous Kinetics of HONO on H ₂ SO ₄ Solutions and on Ice: Activation of HCl. The Journal of Physical Chemistry, 1996, 100, 13765-13775.	2.9	36
103	The heterogeneous interaction of Br(2P _{3/2}) and Br(2P _{1/2}) with surfaces of Teflon and polycrystalline nickel. International Journal of Chemical Kinetics, 1995, 27, 403-418.	1.0	8
104	Experimental evidence for the efficient dry deposition of nitric acid on calcite. Atmospheric Environment, 1995, 29, 3365-3372.	1.9	57
105	The heterogeneous generation of N ₂ O from exhaust gases of combustion: A laboratory study. Geophysical Research Letters, 1995, 22, 3509-3512.	1.5	2
106	Kinetics of Nitric Acid Uptake by Salt. The Journal of Physical Chemistry, 1994, 98, 9801-9810.	2.9	97
107	Relationship between bond dissociation energies and activation energies for bond scission reactions. International Journal of Chemical Kinetics, 1994, 26, 211-217.	1.0	20
108	Kinetic and mechanistic aspects of the NO oxidation by O ₂ in aqueous phase. International Journal of Chemical Kinetics, 1994, 26, 1207-1227.	1.0	98

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109	The thermal decomposition of the new energetic material ammonium dinitramide ($\text{NH}_4\text{N}(\text{NO}_2)_2$) in relation to Nitramide (NH_2NO_2) and NH_4NO_3 . International Journal of Chemical Kinetics, 1993, 25, 549-570.	1.0	78
110	The heterogeneous interaction of NO_2 with amorphous carbon. Geophysical Research Letters, 1993, 20, 1431-1434.	1.5	18
111	Pump-and-probe lidar for in-situ probing of atmospheric chemistry. , 1992, 1714, 291.		2
112	Interaction of chlorine atom($2\text{P}_{3/2}$) and chlorine atom($2\text{P}_{1/2}$) with polycrystalline nickel surfaces. The Journal of Physical Chemistry, 1991, 95, 825-834.	2.9	10
113	The interaction of $\text{Cl}(2\text{P}_{3/2})$ and $\text{Cl}(2\text{P}_{1/2})$ with $\text{n-Si}(100)$: Spontaneous etching. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1991, 9, 217-222.	0.9	9
114	A pulsed halogen atom source for kinetic measurements in a Knudsen cell reactor. Review of Scientific Instruments, 1990, 61, 1217-1222.	0.6	12
115	Sticking coefficient of the SiH_2 free radical on a hydrogenated silicon-carbon surface. Applied Physics Letters, 1989, 54, 185-187.	1.5	23
116	Atom- and radical-surface sticking coefficients measured using resonance-enhanced multiphoton ionization. Journal of Chemical Physics, 1989, 91, 5037-5049.	1.2	27
117	Rate Constants for the Reactions $t\text{-C}_4\text{H}_9 + \text{DX} \rightarrow \text{i-C}_4\text{H}_9\text{D} + \text{X}$ ($\text{X} = \text{Br}, \text{I}$), $295\text{T}(\text{K}) < 384$: Heat of Formation of the tert-Butyl Radical. Journal of the American Chemical Society, 1989, 111, 956-962.	6.6	21
118	High density chemiluminescence studies: explosive decomposition of solid phase tetramethyldioxetane. Journal of Photochemistry and Photobiology A: Chemistry, 1988, 42, 73-85.	2.0	3
119	Heterogeneous interactions of chlorine nitrate, hydrogen chloride, and nitric acid with sulfuric acid surfaces at stratospheric temperatures. Geophysical Research Letters, 1988, 15, 847-850.	1.5	161
120	Summary Abstract: Spontaneous thermal etching of silicon by CF_3 radicals. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1988, 6, 1407-1408.	0.9	3
121	Optical switching of a dc discharge using an excimer laser. Journal of Applied Physics, 1988, 63, 4849-4853.	1.1	2
122	Reaction probability for the spontaneous etching of silicon by CF_3 free radicals. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1988, 6, 1632.	1.6	23
123	[3+2] resonance enhanced multiphoton ionization of I and Br formed from the infrared multiphoton decomposition of CF_3I and CF_3Br . Journal of Chemical Physics, 1988, 89, 2925-2931.	1.2	11
124	Antarctic Ozone Depletion Chemistry: Reactions of N_2O_5 with H_2O and HCl on Ice Surfaces. Science, 1988, 240, 1018-1021.	6.0	143
125	Atom- and Radical-Surface Sticking Coefficients Measured Using Resonance Enhanced Multiphoton Ionization (REMPI). Materials Research Society Symposia Proceedings, 1988, 131, 251.	0.1	0
126	Chemiluminescence From Laser-Heated Solid And Gaseous Tetramethyldioxetane. , 1988, , .		0

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127	In situ radical detection under very low pressure photolysis conditions using resonance-enhanced multiphoton ionization. Kinetics of trifluoromethyl radicals produced from IR multiphoton dissociation of hexafluoroacetone. <i>The Journal of Physical Chemistry</i> , 1988, 92, 5338-5347.	2.9	17
128	Reaction of Chlorine Nitrate with Hydrogen Chloride and Water at Antarctic Stratospheric Temperatures. <i>Science</i> , 1987, 238, 1258-1260.	6.0	315
129	Multiphoton ionization of vinylchloride, trifluoroethylene, and benzene at 193 nm. <i>Journal of Chemical Physics</i> , 1987, 87, 902-909.	1.2	17
130	Kinetics of surface reactions of CF ₃ radicals. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1987, 5, 3351-3358.	0.9	10
131	Heterogeneous chemical reaction of chlorine nitrate and water on sulfuric acid surfaces at room temperature. <i>Geophysical Research Letters</i> , 1987, 14, 127-130.	1.5	33
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