

Henrik G Kjaergaard

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

223
papers

13,059
citations

54
h-index

107
g-index

239
ext. papers

14,616
ext. citations

5
avg, IF

6.46
L-index

#	Paper	IF	Citations
223	Vibrational Spectroscopy of the Water Dimer at Jet-Cooled and Atmospheric Temperatures.. <i>Annual Review of Physical Chemistry</i> , 2022 ,	15.7	1
222	Reduced-dimensional vibrational models of the water dimer.. <i>Journal of Chemical Physics</i> , 2022 , 156, 164304	3.9	
221	Hydrotrioxide (ROOOH) formation in the atmosphere. <i>Science</i> , 2022 , 376, 979-982	33.3	4
220	Effect of Freezing out Vibrational Modes on Gas-Phase Fluorescence Spectra of Small Ionic Dyes. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 11346-11352	6.4	1
219	Atmospheric Fate of the CHSOO Radical from the CHS + O Equilibrium. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 8933-8941	2.8	4
218	Coupling of torsion and OH-stretching in tert-butyl hydroperoxide. I. The cold and warm first OH-stretching overtone spectrum. <i>Journal of Chemical Physics</i> , 2021 , 154, 164306	3.9	5
217	Coupling of torsion and OH-stretching in tert-butyl hydroperoxide. II. The OH-stretching fundamental and overtone spectra. <i>Journal of Chemical Physics</i> , 2021 , 154, 164307	3.9	5
216	Trimethylamine Outruns Terpenes and Aromatics in Atmospheric Autoxidation. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 4454-4466	2.8	4
215	Unimolecular Reactions Following Indoor and Outdoor Limonene Ozonolysis. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 669-680	2.8	10
214	A new setup for low-temperature gas-phase ion fluorescence spectroscopy. <i>Review of Scientific Instruments</i> , 2021 , 92, 033105	1.7	4
213	Atmospheric Chemistry of CHOCFCHF.. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 10640-10648	2.8	0
212	Oxidation kinetics of n-pentanol: A theoretical study of the reactivity of the 1-hydroxy-1-peroxypentyl radical. <i>Combustion and Flame</i> , 2020 , 219, 20-32	5.3	11
211	Double Bonds Are Key to Fast Unimolecular Reactivity in First-Generation Monoterpene Hydroxy Peroxy Radicals. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 2885-2896	2.8	18
210	Attenuated Deuterium Stabilization of Hydrogen-Bound Complexes at Room Temperature. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 1763-1774	2.8	3
209	Conformer-Specific Photolysis of Pyruvic Acid and the Effect of Water. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 1240-1252	2.8	9
208	Accurate Calculations of OH-Stretching Intensities with a Reduced-Dimensional Local Mode Model Including Eckart Axis Embedding. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 932-942	2.8	9
207	Global airborne sampling reveals a previously unobserved dimethyl sulfide oxidation mechanism in the marine atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4505-4510	11.5	61

206	Acetonyl Peroxy and Hydro Peroxy Self- and Cross-Reactions: Kinetics, Mechanism, and Chaperone Enhancement from the Perspective of the Hydroxyl Radical Product. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 8128-8143	2.8	2
205	SO formation and peroxy radical isomerization in the atmospheric reaction of OH radicals with dimethyl disulfide. <i>Chemical Communications</i> , 2020 , 56, 13634-13637	5.8	3
204	Spectroscopy of OSSO and Other Sulfur Compounds Thought to be Present in the Venus Atmosphere. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 7047-7059	2.8	10
203	New Insights into the Radical Chemistry and Product Distribution in the OH-Initiated Oxidation of Benzene. <i>Environmental Science & Technology</i> , 2020 , 54, 13467-13477	10.3	14
202	Atmospheric Autoxidation of Amines. <i>Environmental Science & Technology</i> , 2020 , 54, 11087-11099	10.3	15
201	Room Temperature Gas-Phase Detection and Gibbs Energies of Water Amine Bimolecular Complex Formation. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 7113-7122	2.8	8
200	Room Temperature Gibbs Energies of Hydrogen-Bonded Alcohol Dimethylselenide Complexes. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 8427-8434	2.8	5
199	Stereoselectivity in Atmospheric Autoxidation. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6260-6266	6.4	14
198	Unimolecular Reactions of Peroxy Radicals Formed in the Oxidation of α -Pinene and β -Pinene by Hydroxyl Radicals. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 1661-1674	2.8	43
197	Gibbs energy of complex formation combining infrared spectroscopy and vibrational theory. <i>International Reviews in Physical Chemistry</i> , 2019 , 38, 115-148	7	17
196	Local Modes of Vibration: The Effect of Low-Frequency Vibrations		0
195	Highly Oxygenated Organic Molecules (HOM) from Gas-Phase Autoxidation Involving Peroxy Radicals: A Key Contributor to Atmospheric Aerosol. <i>Chemical Reviews</i> , 2019 , 119, 3472-3509	68.1	262
194	Simulated Electronic Absorption Spectra of Sulfur-Containing Molecules Present in Earth's Atmosphere. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 6605-6617	2.8	7
193	Formation of Highly Oxidized Molecules from NO ₃ Radical Initiated Oxidation of β -Carene: A Mechanistic Study. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 1460-1470	3.2	13
192	Thermalized Epoxide Formation in the Atmosphere. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 10620-10630	6.30	9
191	Accuracy of XH-stretching intensities with the Deng-Ban potential. <i>Molecular Physics</i> , 2019 , 117, 1629-1639	3.7	5
190	Intramolecular Hydrogen Shift Chemistry of Hydroperoxy-Substituted Peroxy Radicals. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 590-600	2.8	22
189	The Importance of Peroxy Radical Hydrogen-Shift Reactions in Atmospheric Isoprene Oxidation. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 920-932	2.8	41

188	Absolute fundamental and overtone OH and OD stretching intensities of alcohols. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 208, 315-324	4.4	7
187	Computational and Experimental Evidence of Two Competing Thermal Electrocyclization Pathways for Vinylheptafulvene. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1111-1116	4.5	6
186	Atmospheric Hydroxyl Radical Source: Reaction of Triplet SO and Water. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 4465-4469	2.8	22
185	Fundamental FH-stretching transition frequencies and oscillator strengths in hydrogen bonded FH complexes. <i>Chemical Physics Letters</i> , 2018 , 692, 291-297	2.5	3
184	Computational Comparison of Different Reagent Ions in the Chemical Ionization of Oxidized Multifunctional Compounds. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 269-279	2.8	31
183	Atmospheric autoxidation is increasingly important in urban and suburban North America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 64-69	11.5	101
182	Quantum Effects for a Proton in a Low-Barrier, Double-Well Potential: Core Level Photoemission Spectroscopy of Acetylacetone. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 521-526	6.4	13
181	Hybridization of Nitrogen Determines Hydrogen-Bond Acceptor Strength: Gas-Phase Comparison of Redshifts and Equilibrium Constants. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 3899-3908	2.8	7
180	Kinetics and Product Yields of the OH Initiated Oxidation of Hydroxymethyl Hydroperoxide. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 6292-6302	2.8	19
179	Atmospheric chemistry of hexa- and penta-fluorobenzene: UV photolysis and kinetics and mechanisms of the reactions of Cl atoms and OH radicals. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 28796-28809	3.6	4
178	Computational Investigation of RO + HO and RO + RO Reactions of Monoterpene Derived First-Generation Peroxy Radicals Leading to Radical Recycling. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 9542-9552	2.8	9
177	Calculated Hydrogen Shift Rate Constants in Substituted Alkyl Peroxy Radicals. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 8665-8673	2.8	37
176	Reactivity of Electronically Excited SO with Alkanes. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 7782-7789	2.8	3
175	Vibrational transitions in hydrogen bonded bimolecular complexes: A local mode perturbation theory approach to transition frequencies and intensities. <i>Journal of Molecular Spectroscopy</i> , 2017 , 334, 1-9	1.3	18
174	Kinetic Energy Density as a Predictor of Hydrogen-Bonded OH-Stretching Frequencies. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 3452-3460	2.8	20
173	Alkoxy Radical Bond Scissions Explain the Anomalously Low Secondary Organic Aerosol and Organonitrate Yields From Pinene + NO. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2826-2834	6.4	26
172	Side-by-Side Comparison of Hydroperoxide and Corresponding Alcohol as Hydrogen-Bond Donors. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 2951-2959	2.8	20
171	Isomerization of Second-Generation Isoprene Peroxy Radicals: Epoxide Formation and Implications for Secondary Organic Aerosol Yields. <i>Environmental Science & Technology</i> , 2017 , 51, 4978-4987	10.3	39

170	Subtle differences in the hydrogen bonding of alcohol to divalent oxygen and sulfur. <i>Chemical Physics Letters</i> , 2017 , 667, 146-153	2.5	28
169	Towards Storage of Solar Energy in Photochromic Molecules: Benzannulation of the Dihydroazulene/Vinylheptafulvene Couple. <i>ChemPhotoChem</i> , 2017 , 1, 206-212	3.3	19
168	Photoswitchable Dihydroazulene Macrocycles for Solar Energy Storage: The Effects of Ring Strain. <i>Journal of Organic Chemistry</i> , 2017 , 82, 10398-10407	4.2	23
167	Dimethyl Sulfoxide Complexes Detected at Ambient Conditions. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 6046-6053	2.8	5
166	Ultraviolet Spectroscopy of the Gas Phase Hydration of Methylglyoxal. <i>ACS Earth and Space Chemistry</i> , 2017 , 1, 345-352	3.2	16
165	The weak fundamental NH-stretching transition in amines. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 173, 201-206	4.4	7
164	Kinetics and Products of the Reaction of the First-Generation Isoprene Hydroxy Hydroperoxide (ISOPOOH) with OH. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 1441-51	2.8	84
163	Spectroscopy and dynamics of double proton transfer in formic acid dimer. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 24654-62	3.6	36
162	Theoretical Investigation of Substituent Effects on the Dihydroazulene/Vinylheptafulvene Photoswitch: Increasing the Energy Storage Capacity. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 9782-9793	2.8	28
161	Intramolecular Hydrogen Bonding in Substituted Aminoalcohols. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 6371-8	2.8	34
160	Accurate thermodynamic properties of gas phase hydrogen bonded complexes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 23831-9	3.6	17
159	Identification of OSSO as a near-UV absorber in the Venusian atmosphere. <i>Geophysical Research Letters</i> , 2016 , 43, 11,146	4.9	45
158	Characterisation of dihydroazulene and vinylheptafulvene derivatives using Raman spectroscopy: The CN-stretching region. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 161, 70-6	4.4	3
157	On the association of neutral and cationic tris(tetrathiafulvaleno)dodecadehydro[18]annulenes. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 425-429	3.9	6
156	Rapid Hydrogen Shift Scrambling in Hydroperoxy-Substituted Organic Peroxy Radicals. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 266-75	2.8	49
155	Production and Fate of C4 Dihydroxycarbonyl Compounds from Isoprene Oxidation. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 106-17	2.8	30
154	Solar Thermal Energy Storage in a Photochromic Macrocycle. <i>Chemistry - A European Journal</i> , 2016 , 22, 10796-800	4.8	30
153	Cost-Effective Implementation of Multiconformer Transition State Theory for Peroxy Radical Hydrogen Shift Reactions. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 10072-10087	2.8	55

152	Hydroxyl radical-induced formation of highly oxidized organic compounds. <i>Nature Communications</i> , 2016 , 7, 13677	17.4	124
151	Infrared spectroscopic probing of dimethylamine clusters in an Ar matrix. <i>Journal of Environmental Sciences</i> , 2016 , 40, 51-9	6.4	16
150	Unimolecular HO ₂ Loss from Peroxy Radicals Formed in Autoxidation Is Unlikely under Atmospheric Conditions. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 3588-95	2.8	14
149	Competition between chloride and sulphate during the reformation of calcined hydrotalcite. <i>Applied Clay Science</i> , 2016 , 132-133, 650-659	5.2	12
148	Computational methodology study of the optical and thermochemical properties of a molecular photoswitch. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 896-904	2.8	45
147	The effect of large amplitude motions on the vibrational intensities in hydrogen bonded complexes. <i>Journal of Chemical Physics</i> , 2015 , 142, 094304	3.9	34
146	Mechanism of the hydroxyl radical oxidation of methacryloyl peroxyxynitrate (MPAN) and its pathway toward secondary organic aerosol formation in the atmosphere. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 17914-26	3.6	88
145	Theoretical investigation of the hydrogen shift reactions in peroxy radicals derived from the atmospheric decomposition of 3-methyl-3-buten-1-ol (MBO331). <i>Chemical Physics Letters</i> , 2015 , 619, 236-240	2.5	16
144	Chemical properties of HULIS from three different environments. <i>Journal of Atmospheric Chemistry</i> , 2015 , 72, 65-80	3.2	25
143	Infrared and Near-Infrared Spectroscopy of Acetylacetone and Hexafluoroacetylacetone. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 7980-90	2.8	32
142	Unusual Low-Energy Near-Infrared Bands for Ferrocenyl-Naphthalimide Donor-Acceptor Dyads with Aromatic Spacer Groups: Prediction by Time-Dependent DFT and Observation by OTTL Spectroscopy. <i>Organometallics</i> , 2015 , 34, 2662-2666	3.8	11
141	Gas Phase Detection of the NH-P Hydrogen Bond and Importance of Secondary Interactions. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 10988-98	2.8	47
140	Intramolecular Hydrogen Bonding in Methyl Lactate. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 9692-702.8	2.8	28
139	Controlling two-step multimode switching of dihydroazulene photoswitches. <i>Chemistry - A European Journal</i> , 2015 , 21, 3968-77	4.8	28
138	Interactions between tetrathiafulvalene units in dimeric structures - the influence of cyclic cores. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 930-48	2.5	7
137	Photoabsorption cross-section measurements of 32S, 33S, 34S, and 36S sulfur dioxide from 190 to 220 nm. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 2546-2557	4.4	31
136	Towards solar energy storage in the photochromic dihydroazulene-vinylheptafulvene system. <i>Chemistry - A European Journal</i> , 2015 , 21, 7454-61	4.8	64
135	Computational Study of Hydrogen Shifts and Ring-Opening Mechanisms in α -Pinene Ozonolysis Products. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 11366-75	2.8	66

134	Effects of chemical complexity on the autoxidation mechanisms of endocyclic alkene ozonolysis products: from methylcyclohexenes toward understanding α -pinene. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 4633-50	2.8	83
133	Atmospheric fate of methyl vinyl ketone: peroxy radical reactions with NO and HO ₂ . <i>Journal of Physical Chemistry A</i> , 2015 , 119, 4562-72	2.8	60
132	Theoretical study, and infrared and Raman spectra of copper(II) chelated complex with dibenzoylmethane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 128, 272-9	4.4	17
131	The effect of large amplitude motions on the transition frequency redshift in hydrogen bonded complexes: a physical picture. <i>Journal of Chemical Physics</i> , 2014 , 140, 184309	3.9	41
130	Identification and characterization of the HCl-DMS gas phase molecular complex via infrared spectroscopy and electronic structure calculations. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 1384-9	2.8	47
129	The formation of highly oxidized multifunctional products in the ozonolysis of cyclohexene. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15596-606	16.4	187
128	Benchmarking ab initio binding energies of hydrogen-bonded molecular clusters based on FTIR spectroscopy. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 5316-22	2.8	48
127	The effect of fluorine substitution in alcohol-amine complexes. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 22882-91	3.6	57
126	A large source of low-volatility secondary organic aerosol. <i>Nature</i> , 2014 , 506, 476-9	50.4	1078
125	Resolving the anomalous infrared spectrum of the MeCN-HCl molecular cluster using ab initio molecular dynamics. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 24685-90	3.6	7
124	Similar strength of the NH \cdots O and NH \cdots S hydrogen bonds in binary complexes. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 11074-82	2.8	47
123	Positively Charged Phosphorus as a Hydrogen Bond Acceptor. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 4225-31	6.4	82
122	Are Bond Critical Points Really Critical for Hydrogen Bonding?. <i>Journal of Chemical Theory and Computation</i> , 2013 , 9, 3263-6	6.4	348
121	Intramolecular interactions in 2-aminoethanol and 3-aminopropanol. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 10260-73	2.8	33
120	Criegee Intermediates React with Ozone. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2525-2529	6.4	67
119	Autoxidation of Organic Compounds in the Atmosphere. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3513-3520	6.4	347
118	Methyl chavicol reactions with ozone, OH and NO ₃ radicals: Rate constants and gas-phase products. <i>Atmospheric Environment</i> , 2013 , 77, 696-702	5.3	14
117	The gas-phase reaction of methane sulfonic acid with the hydroxyl radical without and with water vapor. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 5140-50	3.6	22

116	Weak intramolecular OH...hydrogen bonding in methallyl- and allyl-carbinol. <i>Chemical Physics Letters</i> , 2013 , 582, 31-37	2.5	9
115	Ultrathin reduced graphene oxide films as transparent top-contacts for light switchable solid-state molecular junctions. <i>Advanced Materials</i> , 2013 , 25, 4164-70	24	68
114	Fundamental and overtone vibrational spectroscopy, enthalpy of hydrogen bond formation and equilibrium constant determination of the methanol-dimethylamine complex. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 10194-206	3.6	65
113	Atmospheric fate of methacrolein. 2. Formation of lactone and implications for organic aerosol production. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 5763-8	2.8	51
112	Absolute intensities of NH-stretching transitions in dimethylamine and pyrrole. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 290-6	2.8	41
111	Atmospheric fate of methacrolein. 1. Peroxy radical isomerization following addition of OH and O ₂ . <i>Journal of Physical Chemistry A</i> , 2012 , 116, 5756-62	2.8	145
110	Design aspects of bright red emissive silver nanoclusters/DNA probes for microRNA detection. <i>ACS Nano</i> , 2012 , 6, 8803-14	16.7	163
109	On the possible catalysis by single water molecules of gas-phase hydrogen abstraction reactions by OH radicals. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 12992-9	3.6	28
108	Peroxy radical chemistry and OH radical production during the NO ₂ -initiated oxidation of isoprene. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 7499-7515	6.8	57
107	Identification of the dimethylamine-trimethylamine complex in the gas phase. <i>Journal of Chemical Physics</i> , 2012 , 136, 184305	3.9	54
106	Intramolecular OH...interactions in alkenols and alkynols. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 14183-93	3.6	43
105	A computational study of the oxidation of SO ₂ to SO ₃ by gas-phase organic oxidants. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 8669-81	2.8	77
104	Definition of the hydrogen bond (IUPAC Recommendations 2011). <i>Pure and Applied Chemistry</i> , 2011 , 83, 1637-1641	2.1	1111
103	Defining the hydrogen bond: An account (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2011 , 83, 1619-1636	2.1	738
102	Fourier transform infrared spectroscopy and theoretical study of dimethylamine dimer in the gas phase. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 12097-104	2.8	57
101	Ultraviolet absorption cross sections of carbonyl sulfide isotopologues OC ³² S, OC ³³ S, OC ³⁴ S and O ¹³ CS: isotopic fractionation in photolysis and atmospheric implications. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 10293-10303	6.8	41
100	Widening of the hydrogen bonded OH-stretching bands due to the wagging and OO-stretching modes in H ₂ O...H ₂ O. <i>Chemical Physics Letters</i> , 2011 , 513, 167-172	2.5	12
99	Peroxy radical isomerization in the oxidation of isoprene. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13607-13	3.6	267

98	XH-stretching overtone transitions calculated using explicitly correlated coupled cluster methods. <i>Journal of Chemical Physics</i> , 2010 , 132, 174304	3.9	37
97	Comment on "Unexpected epoxide formation in the gas-phase photooxidation of isoprene". <i>Science</i> , 2010 , 327, 644; author reply 644	33.3	1
96	Calculated spectroscopy and atmospheric photodissociation of phosphoric acid. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 7544-52	2.8	12
95	Computational vibrational and electronic spectroscopy of the water nitric oxide complex. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 4835-42	2.8	11
94	Nitrate radical addition-elimination reactions of atmospherically relevant sulfur-containing molecules. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 12833-9	3.6	8
93	Effect of hydration on the hydrogen abstraction reaction by HO in DMS and its oxidation products. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 4857-63	2.8	51
92	Overtone spectra of 2-mercaptoethanol and 1,2-ethanedithiol. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 12692-700	2.8	13
91	Molecular dynamic simulations of OH-stretching overtone induced photodissociation of fluorosulfonic and chlorosulfonic acid. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 8277-84	3.6	7
90	Calculated two-photon electronic transitions in sulfuric acid and its atmospheric relevance. <i>Chemical Physics Letters</i> , 2010 , 498, 18-21	2.5	1
89	Explicitly correlated intermolecular distances and interaction energies of hydrogen bonded complexes. <i>Journal of Chemical Physics</i> , 2009 , 131, 034307	3.9	87
88	Unexpected epoxide formation in the gas-phase photooxidation of isoprene. <i>Science</i> , 2009 , 325, 730-3	33.3	726
87	Co(III) complexes of the type [(L)Co(O ₂ CO)] ⁺ (L = tripodal tetraamine ligand): Synthesis, structure, DFT calculations and ⁵⁹ Co NMR. <i>Polyhedron</i> , 2009 , 28, 1459-1468	2.7	7
86	Calculation of conformationally weighted dipole moments useful in ion-molecule collision rate estimates. <i>Chemical Physics Letters</i> , 2009 , 474, 45-50	2.5	35
85	Identification of the water amidogen radical complex. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1358-9	16.4	19
84	Calculation of overtone O-H stretching bands and intensities of the water trimer. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 9124-32	2.8	35
83	SH-stretching vibrational spectra of ethanethiol and tert-butylthiol. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 7576-83	2.8	31
82	Isoprene photooxidation: new insights into the production of acids and organic nitrates. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 1479-1501	6.8	391
81	Atmospheric Photolysis of Sulfuric Acid. <i>Advances in Quantum Chemistry</i> , 2008 , 55, 137-158	1.4	15

80	Calculation of vibrational transition frequencies and intensities in water dimer: comparison of different vibrational approaches. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 4324-35	2.8	149
79	Hydrogen bonding to divalent sulfur. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 4113-8	3.6	84
78	Calculated electronic transitions in sulfuric acid and implications for its photodissociation in the atmosphere. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 4958-64	2.8	29
77	Calculation of the O-H stretching vibrational overtone spectrum of the water dimer. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 6305-12	2.8	57
76	Calculated band profiles of the OH-stretching transitions in water dimer. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 7439-47	2.8	31
75	Calculated electronic transitions of the water ammonia complex. <i>Journal of Chemical Physics</i> , 2008 , 128, 034302	3.9	22
74	The most stable conformer of benzyl alcohol. <i>Chemical Physics Letters</i> , 2008 , 466, 21-26	2.5	20
73	Redox chemistry of an ethenyl complex with isolobal CbCo and CpFe fragments. <i>Inorganica Chimica Acta</i> , 2008 , 361, 1616-1623	2.7	15
72	Hydrogen bonded OH-stretching vibration in the water dimer. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 567-72	2.8	84
71	Fluorosulfonic acid and chlorosulfonic acid: possible candidates for OH-stretching overtone-induced photodissociation. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 9707-13	2.8	15
70	Vibrational overtone spectroscopy of three-membered rings. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 5415-21	2.8	6
69	Overtone spectroscopy of sulfonic acid derivatives. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 5434-40	2.8	34
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