

Otto Dopfer

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245
papers

7,561
citations

50
h-index

69
g-index

262
ext. papers

8,037
ext. citations

5.2
avg, IF

6.23
L-index

#	Paper	IF	Citations
245	High-resolution spectroscopy of cluster ions. <i>Chemical Reviews</i> , 2000 , 100, 3963-98	68.1	433
244	ZEKE Spectroscopy of Complexes and Clusters. <i>Chemical Reviews</i> , 1994 , 94, 1845-1871	68.1	158
243	Protonated benzene: IR spectrum and structure of C(6)H(7)(+). <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3628-31. 3517	16.4	157
242	Spectroscopic and theoretical studies of CH+ 3-Rgn clusters (Rg=He, Ne, Ar): From weak intermolecular forces to chemical reaction mechanisms. <i>International Reviews in Physical Chemistry</i> , 2003 , 22, 437-495	7	136
241	IR Spectroscopy of Microsolvated Aromatic Cluster Ions: Ionization-Induced Switch in Aromatic MoleculeSolvent Recognition. <i>Zeitschrift Fur Physikalische Chemie</i> , 2005 , 219, 125-168	3.1	126
240	Size Effects in Cluster Infrared Spectra: the .nu.1 Band of Arn-HCO+ (n = 1-13). <i>The Journal of Physical Chemistry</i> , 1995 , 99, 17118-17129		108
239	Microsolvation of the Phenol Cation (Ph+) in Nonpolar Environments: Infrared Spectra of Ph+ln (L = He, Ne, Ar, N2, CH4) J <i>Journal of Physical Chemistry A</i> , 2001 , 105, 5637-5645	2.8	101
238	Zero-kinetic-energy photoelectron spectroscopy of the hydrogen-bonded phenol-water complex. <i>Journal of Chemical Physics</i> , 1994 , 101, 974-989	3.9	97
237	INFRARED SPECTRA OF ISOLATED PROTONATED POLYCYCLIC AROMATIC HYDROCARBON MOLECULES. <i>Astrophysical Journal</i> , 2009 , 706, L66-L70	4.7	96
236	S1 excitation and zero kinetic energy spectra of partly deuterated 1:1 phenolwater complexes. <i>Journal of Chemical Physics</i> , 1994 , 101, 8508-8516	3.9	87
235	Infrared spectra of isolated protonated polycyclic aromatic hydrocarbons: protonated naphthalene. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6714-6	16.4	85
234	Infrared spectra of the phenolAr and phenolN2 cations: proton-bound versus Ebound structures. <i>Chemical Physics Letters</i> , 2000 , 325, 354-359	2.5	85
233	Protonation of aromatic molecules: competition between ring and oxygen protonation of phenol (Ph) revealed by IR spectra of PhH+Arn. <i>Chemical Physics Letters</i> , 2001 , 342, 191-199	2.5	79
232	IR spectrum of the benzenewater cation: direct evidence for a hydrogen-bonded charge-dipole complex. <i>Chemical Physics Letters</i> , 2001 , 347, 59-64	2.5	78
231	Spectroscopic identification of oxonium and carbenium ions of protonated phenol in the gas phase: IR spectra of weakly bound C6H7O+ -L dimers (L = Ne, Ar, N2). <i>Journal of the American Chemical Society</i> , 2004 , 126, 1716-25	16.4	73
230	Infrared spectra of protonated neurotransmitters: dopamine. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2815-23	3.6	72
229	Protonation of gas-phase aromatic molecules: IR spectrum of the fluoronium isomer of protonated fluorobenzene. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1421-30	16.4	70

228	Infrared spectra of C(3)H(3)(+)-N(2) dimers: identification of proton-bound c-C(3)H(3)(+)-N(2) and H(2)CCCH(+)-N(2) isomers. <i>Journal of the American Chemical Society</i> , 2002 , 124, 494-502	16.4	70
227	Interaction of the Benzenium Ion with Inert Ligands: IR Spectra of C ₆ H ₇ ⁺ ?Ln Cluster Cations (L=Ar, N ₂ , CH ₄ , H ₂ O). <i>Chemistry - A European Journal</i> , 2003 , 9, 3154-3161	4.8	69
226	Real-time observation of ionization-induced hydrophobic-->hydrophilic switching. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6149-51	16.4	69
225	A new approach to vibrational spectroscopy of ion clusters: the zero kinetic energy (ZEKE) photoelectron spectrum of the phenol/water complex. <i>Chemical Physics Letters</i> , 1991 , 181, 1-4	2.5	67
224	IR spectroscopic strategies for the structural characterization of isolated and microsolvated arenium ions. <i>Journal of Physical Organic Chemistry</i> , 2006 , 19, 540-551	2.1	66
223	Prototype Microsolvation of Aromatic Hydrocarbon Cations by Polar Ligands: IR Spectra of Benzene+Ln Clusters (L = H ₂ O, CH ₃ OH). <i>Journal of Physical Chemistry A</i> , 2003 , 107, 4046-4055	2.8	65
222	Infrared photodissociation spectra of CH ₃ +Ar _n complexes (n=1-8). <i>Journal of Chemical Physics</i> , 1998 , 108, 10046-10060	3.9	64
221	Probing Solvation Dynamics around Aromatic and Biological Molecules at the Single-Molecular Level. <i>Chemical Reviews</i> , 2016 , 116, 5432-63	68.1	64
220	Ab initio study of the phenol-water cation radical. <i>Journal of Chemical Physics</i> , 1994 , 101, 990-997	3.9	63
219	Effect of protonation on the electronic structure of aromatic molecules: naphthaleneH ⁺ . <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 14456-8	3.6	62
218	Infrared photodissociation spectra of the C ₆ H ₆ stretch vibrations of C ₆ H ₆ +Ar, C ₆ H ₆ +N ₂ , and C ₆ H ₆ +CH ₄ 1. <i>Journal of Chemical Physics</i> , 1999 , 111, 10754-10757	3.9	60
217	Spectroscopic and ab initio studies of ionic hydrogen bonds: the OH stretch vibration of SiOH+X dimers (X=He, Ne, Ar, N ₂). <i>Chemical Physics Letters</i> , 1999 , 314, 215-222	2.5	60
216	Watching water migration around a peptide bond. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6604-7	16.4	59
215	Isomer-selective detection of microsolvated oxonium and carbenium ions of protonated phenol: infrared spectra of C ₆ H ₇ O+-Ln clusters (L=Ar/N ₂ , n. <i>Journal of Chemical Physics</i> , 2004 , 120, 10470-82	3.9	58
214	Microsolvation of the Water Cation in Argon: II. Infrared Photodissociation Spectra of H ₂ O+Ar _n (n= 1-4). <i>Journal of Physical Chemistry A</i> , 2000 , 104, 11702-11713	2.8	58
213	Microsolvation of HN ₂ ⁺ in Argon: Infrared Spectra and ab Initio Calculations of Ar _n HN ₂ ⁺ (n= 1-3). <i>Journal of Physical Chemistry A</i> , 1999 , 103, 2982-2991	2.8	57
212	Mid-infrared spectra of the proton-bound complexes Ne _n CO ⁺ (n=1,2). <i>Journal of Chemical Physics</i> , 1996 , 105, 1770-1777	3.9	57
211	Infrared photodissociation spectra of isomeric SiOH+Ar (n=1-10) complexes. <i>Chemical Physics</i> , 1998 , 239, 393-407	2.3	56

210	IR spectrum of the ethyl cation: evidence for the nonclassical structure. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 395-7	16.4	56
209	The phenol dimer: Zero-kinetic-energy photoelectron and two-color resonance-enhanced multiphoton ionization spectroscopy. <i>Journal of Chemical Physics</i> , 1993 , 98, 1933-1943	3.9	56
208	Structure and infrared spectrum of the Ag(+) -phenol ionic complex. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 11053-9	2.8	55
207	Intermolecular interaction in proton-bound dimers.. <i>Chemical Physics Letters</i> , 1998 , 296, 585-591	2.5	55
206	IR signature of the photoionization-induced hydrophobic-->hydrophilic site switching in phenol-Arn clusters. <i>Journal of Chemical Physics</i> , 2007 , 127, 114307	3.9	55
205	Protonation sites of isolated fluorobenzene revealed by IR spectroscopy in the fingerprint range. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 7881-7	2.8	55
204	Infrared spectra of the H-bound and Ebound isomers of the phenol-Ergon cation. <i>Journal of Molecular Structure</i> , 2001 , 563-564, 241-244	3.4	54
203	BerlinTrap: A new cryogenic 22-pole ion trap spectrometer. <i>Journal of Molecular Spectroscopy</i> , 2017 , , 332, 8-15	1.3	53
202	Infrared spectrum and structure of the adamantane cation: direct evidence for Jahn-Teller distortion. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4925-9	16.4	53
201	Dissociation energy of the Ar?HN+2 complex. <i>Chemical Physics Letters</i> , 1997 , 265, 303-307	2.5	53
200	Spectroscopic identification of carbenium and ammonium isomers of protonated aniline (AnH+): IR spectra of weakly bound AnH+ -Ln clusters (L = Ar, N2). <i>Journal of Physical Chemistry A</i> , 2006 , 110, 12793-804 ²⁸	52	52
199	Microsolvation of the ammonium ion in argon: infrared spectra of NH4+?Arn complexes (n = 1-7). <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997 , 167-168, 637-647		51
198	Interaction between aromatic amine cations and nonpolar solvents: Infrared spectra of isomeric aniline -Ar n () complexes. <i>European Physical Journal D</i> , 2002 , 20, 469-480	1.3	51
197	Separate spectroscopic detection of carbenium and fluoronium isomers of protonated fluorobenzene. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1537-40	16.4	51
196	Ionisation-induced site switching dynamics in solvated aromatic clusters: phenol(Eare gas) n clusters as prototypical example. <i>International Reviews in Physical Chemistry</i> , 2012 , 31, 131-173	7	50
195	IR spectroscopic features of gaseous C7H7O+ ions: benzylum versus tropylum ion structures. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 9352-60	2.8	50
194	Hindered rotation in ion-neutral molecular complexes: The E vibration of H2EICO+ and D2EDCO+. <i>Journal of Chemical Physics</i> , 1997 , 107, 8229-8238	3.9	49
193	Infrared spectra of protonated neurotransmitters: serotonin. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 13268-76	2.8	47

192	IR spectroscopy of protonated toluene: Probing ring hydrogen shifts in gaseous arenium ions. <i>International Journal of Mass Spectrometry</i> , 2006 , 249-250, 149-154	1.9	47
191	Infrared predissociation spectra of NenH _n N ₂ ⁺ clusters (n=1-8). <i>Journal of Chemical Physics</i> , 1998 , 108, 8964-8975	3.9	46
190	Microhydration of protonated biomolecular building blocks: IR spectra of protonated imidazole-water(n) complexes. <i>ChemPhysChem</i> , 2006 , 7, 107-10	3.2	45
189	Microsolvation of the Water Cation in Argon: I. Ab Initio and Density Functional Calculations of H ₂ O+Ar _n (n=0-4). <i>Journal of Physical Chemistry A</i> , 2000 , 104, 11693-11701	2.8	45
188	IR spectra of para-substituted phenol+Ar cations: effect of halogenation on the intermolecular potential and O-H bond strength. <i>Chemical Physics Letters</i> , 2003 , 369, 68-74	2.5	44
187	Site-specific interaction between hydrocarbon cations and inert ligands: IR spectra of isomeric C ₃ H ₃ +L dimers (L = Ne, Ar, O ₂ , N ₂ , CO ₂). <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 4855-4865	3.6	44
186	Interaction of ionic biomolecular building blocks with nonpolar solvents: acidity of the imidazole cation (Im ⁺) probed by IR spectra of Im ⁺ -Ln complexes (L = Ar, N ₂ ; n = 1-4). <i>Journal of Physical Chemistry A</i> , 2005 , 109, 3598-607	2.8	42
185	Infrared predissociation spectra of HeHO ₂ ⁺ and NeHO ₂ ⁺ : prediction of the g ₁ frequency of HO ₂ ⁺ . <i>Chemical Physics Letters</i> , 1997 , 278, 26-30	2.5	41
184	IR spectrum and structure of protonated ethanol dimer: implications for the mobility of excess protons in solution. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9520-1	16.4	41
183	Hydrogen-bonded networks in ethanol proton wires: IR spectra of (EtOH) _q H ⁺ -Ln clusters (L = Ar/N ₂ , q = 1-4). <i>Journal of Physical Chemistry A</i> , 2005 , 109, 6174-86	2.8	40
182	Interaction of C ₃ H ₃ ⁺ isomers with molecular nitrogen: IR spectra of C ₃ H ₃ +[N ₂] _n clusters (n=1-8). <i>International Journal of Mass Spectrometry</i> , 2002 , 218, 281-297	1.9	40
181	Dissociation energetics of the phenol(+)Ar(2) cluster ion: The role of H-H isomerization. <i>Journal of Chemical Physics</i> , 2010 , 133, 154308	3.9	39
180	Protonation of heterocyclic aromatic molecules: IR signature of the protonation site of furan and pyrrole. <i>International Journal of Mass Spectrometry</i> , 2007 , 267, 43-53	1.9	39
179	Protoniertes Benzol: IR-Spektrum und Struktur von C ₆ H ₇ ⁺ . <i>Angewandte Chemie</i> , 2002 , 114, 3781-3784	3.6	39
178	Benzylion versus tropylion ion dichotomy: vibrational spectroscopy of gaseous C ₈ H ₉ ⁺ ions. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4947-9	16.4	38
177	IR spectrum and structure of the phenyl cation. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 10145-8	16.4	38
176	Electronic spectra of linear carbon anions. <i>Chemical Physics</i> , 1998 , 228, 293-299	2.3	37
175	Hole-burning spectra of phenol-Arn (n = 1, 2) clusters: resolution of the isomer issue. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 7569-75	2.8	37

174	Microsolvation of the indole cation (In^+) in a nonpolar environment: IR spectra of $\text{In}+\text{In}$ complexes ($\text{L} = \text{Ar}$ and N_2 , $n = 1$). <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 2732-2741	3.6	37
173	The structure of phenol-Ar(n) ($n=1,2$) clusters in their S(0) and S(1) states. <i>Journal of Chemical Physics</i> , 2009 , 130, 224303	3.9	36
172	Computational study on the photophysics of protonated benzene. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 5865-73	2.8	36
171	Cation- H interactions in protonated phenylalkylamines. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 7130-8	2.8	35
170	Zero-kinetic-energy (ZEKE) photoelectron spectroscopy of the hydrogen-bonded phenol-ethanol complex. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993 , 89, 1609-1621		35
169	Interaction between Aromatic Amine Cations and Quadrupolar Ligands: Infrared Spectra of Aniline- N_2n ($n = 1-3$) Complexes. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 7261-7270	2.8	34
168	Ionization-induced H site switching dynamics in phenol-Ar3. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2409-16	3.6	33
167	Intermolecular interaction in the $\text{OH}+\text{He}$ and $\text{OH}+\text{Ne}$ open-shell ionic complexes: Infrared predissociation spectra of the I and $\text{I}+\text{B}$ vibrations. <i>Journal of Chemical Physics</i> , 1998 , 109, 3841-3849	3.9	33
166	The B infrared spectrum of the $\text{He}?\text{NH}_4^+$ complex. <i>Chemical Physics Letters</i> , 1996 , 260, 545-550	2.5	33
165	Characterization of neutral boron-silicon clusters using infrared spectroscopy: The case of Si_6B . <i>International Journal of Mass Spectrometry</i> , 2016 , 395, 1-6	1.9	32
164	IR spectra of phenol- Ar_n cluster cations ($n=1,2$): Evidence for photoionization-induced H -H isomerization. <i>Chemical Physics Letters</i> , 2007 , 443, 227-231	2.5	32
163	Selective infrared photodissociation of protonated para-fluorophenol isomers: substitution effects in oxonium and fluoronium ions. <i>Journal of Chemical Physics</i> , 2004 , 121, 769-72	3.9	32
162	Intermolecular potential energy surface of the proton-bound $\text{H}_2\text{O}+\text{He}$ dimer: Ab initio calculations and IR spectra of the OH stretch vibrations. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 2400-2410	3.6	32
161	Vibrational spectroscopy of the phenol-ethanol cation. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 7471-7479		32
160	IR spectrum and structure of a protonated disilane: probing the Si-H-Si proton bridge. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1568-71	16.4	31
159	Ionization-induced switch in aromatic molecule- H onpolar ligand recognition: Acidity of 1-naphthol-(1-Np $^+$) rotamers probed by IR spectra of 1-Np- In complexes ($\text{L} = \text{Ar}/\text{N}_2$, $n = 1$). <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 3801-3810	3.6	31
158	Microsolvation of the pyrrole cation (Py) with nonpolar and polar ligands: infrared spectra of Py-L with $\text{L} = \text{Ar}$, N , and HO ($n = 1$). <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 3970-3986	3.6	30
157	Structures and IR/UV spectra of neutral and ionic phenol-Ar(n) cluster isomers ($n = 1$): competition between hydrogen bonding and stacking. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13926-41	3.6	30

156	Photoionization-induced large-amplitude pendular motion in phenol(+)-Kr. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2744-7	3.6	30
155	Infrared spectra of protonated polycyclic aromatic hydrocarbon molecules: azulene. <i>Journal of Chemical Physics</i> , 2009 , 131, 184307	3.9	30
154	Electronic spectroscopy of carbon chains and relevance to astrophysics. <i>Faraday Discussions</i> , 1998 , 109, 109-119	3.6	29
153	Microhydration effects on the electronic spectra of protonated polycyclic aromatic hydrocarbons: [naphthalene-(H ₂ O)(n = 1,2)]H ⁺ . <i>Journal of Chemical Physics</i> , 2011 , 134, 074307	3.9	28
152	Vibrational spectroscopy of protonated imidazole and its complexes with water molecules: ab initio anharmonic calculations and experiments. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 7374-81	2.8	28
151	IR spectra of protonated carbonic acid and its isomeric H ₃ O ⁺ .CO ₂ complex. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4754-6	16.4	28
150	Microsolvation of the water cation in neon: Infrared spectra and potential energy surface of the H ₂ O ⁺ .Ne open-shell ionic complex. <i>Journal of Chemical Physics</i> , 2001 , 114, 7081-7093	3.9	28
149	Intermolecular interaction in the CH ₃ +He ionic complex revealed by ab initio calculations and infrared photodissociation spectroscopy. <i>Journal of Chemical Physics</i> , 1999 , 110, 9527-9535	3.9	28
148	Size and shape dependent photoluminescence and excited state decay rates of diamondoids. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3070-6	3.6	27
147	Solvation dynamics of a single water molecule probed by infrared spectra--theory meets experiment. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 14601-4	16.4	27
146	Stepwise microhydration of aromatic amide cations: formation of water solvation network revealed by infrared spectra of formanilide(+)-(H ₂ O)(n) clusters (n ≤ 5). <i>Journal of Physical Chemistry B</i> , 2015 , 119, 1388-406	3.4	26
145	Probing protonation sites of isolated flavins using IR spectroscopy: from lumichrome to the cofactor flavin mononucleotide. <i>ChemPhysChem</i> , 2014 , 15, 2550-62	3.2	26
144	Internal rotation in NH ₄ ⁺ .Rg dimers (Rg = He, Ne, Ar): Potential energy surfaces and IR spectra of the Β band. <i>Faraday Discussions</i> , 2001 , 118, 455-476	3.6	26
143	IR spectrum of the protonated neurotransmitter 2-phenylethylamine: dispersion and anharmonicity of the NH ₃ (+)-Interaction. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 25742-54	3.6	25
142	Microhydration of PAH cations: evolution of hydration network in naphthalene-(HO) clusters (≤ 5). <i>Chemical Science</i> , 2018 , 9, 2301-2318	9.4	25
141	Infrared spectroscopy of hydrated polycyclic aromatic hydrocarbon cations: naphthalene-water. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 32262-32271	3.6	25
140	Microhydrated aromatic cluster cations: binding motifs of 4-aminobenzonitrile-(H ₂ O) _n cluster cations with n ≤ 4. <i>Journal of Chemical Physics</i> , 2014 , 141, 214301	3.9	25
139	Infrared spectra of the protonated neurotransmitter histamine: competition between imidazolium and ammonium isomers in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 15644-56	3.6	25

138	Entrance channel complexes of cationic aromatic SN2 reactions: IR spectra of fluorobenzene+(H2O)n clusters. <i>Chemical Physics Letters</i> , 2005 , 406, 321-326	2.5	25
137	Observation of the infrared spectrum of the B band of the argon-ammonium ionic complex. <i>Chemical Physics Letters</i> , 1996 , 250, 266-272	2.5	25
136	Infrared and electronic spectra of microhydrated para-dichlorobenzene cluster cations. <i>Chemical Physics Letters</i> , 2010 , 485, 49-55	2.5	24
135	The intermolecular potential of NH+ 4-Ar I. Calculations for the internal rotor structure of the v 3 band. <i>Molecular Physics</i> , 2000 , 98, 63-79	1.7	24
134	Microsolvation of the methyl cation in neon: Infrared spectra and ab initio calculations of CH3+Ne and CH3+Ne2. <i>Journal of Chemical Physics</i> , 2000 , 112, 2176-2186	3.9	24
133	Infrared Spectrum of the ArNH2+ Ionic Complex. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 10017-10024	4.8	24
132	Competing Insertion and External Binding Motifs in Hydrated Neurotransmitters: Infrared Spectra of Protonated Phenylethylamine Monohydrate. <i>ChemPhysChem</i> , 2016 , 17, 232-43	3.2	23
131	Diastereo-specific conformational properties of neutral, protonated and radical cation forms of (1R,2S)-cis- and (1R,2R)-trans-amino-indanol by gas phase spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 25809-21	3.6	23
130	Electronic and vibrational spectra of protonated benzaldehyde-water clusters, [BZ-(H2O)n]H+: evidence for ground-state proton transfer to solvent for n B. <i>Journal of Chemical Physics</i> , 2014 , 140, 124314	3.9	22
129	Vibrational spectra and structures of neutral Si(m)C(n) clusters (m + n = 6): sequential doping of silicon clusters with carbon atoms. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 1158-63	2.8	22
128	Hygroscopic growth and deliquescence of NaCl nanoparticles coated with surfactant AOT. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 7678-86	2.8	22
127	Microsolvation of the acetanilide cation (AA(+)) in a nonpolar solvent: IR spectra of AA(+)-L(n) clusters (L = He, Ar, N2; n 10). <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 7980-95	3.6	21
126	Vibrational spectra and structures of neutral SiX clusters (X = Be, B, C, N, O). <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 22364-72	3.6	21
125	IR spectra of protonated benzaldehyde clusters, C(7)H(7)O(+)-L(n) (L=Ar,N(2);n. <i>Journal of Chemical Physics</i> , 2010 , 133, 044307	3.9	21
124	Mass analyzed threshold ionization spectra of phenol...Ar2: ionization energy and cation intermolecular vibrational frequencies. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 6071-6	3.6	21
123	IR Spectra of Protonated Carbonic Acid and Its Isomeric H3O+?CO2 Complex. <i>Angewandte Chemie</i> , 2007 , 119, 4838-4840	3.6	21
122	Infrared Spectroscopy and Structures of Boron-Doped Silicon Clusters (SiBm, n = 3B, m = 10). <i>Journal of Physical Chemistry C</i> , 2017 , 121, 9560-9571	3.8	20
121	Weak hydrogen bonding motifs of ethylamino neurotransmitter radical cations in a hydrophobic environment: infrared spectra of tryptamine(+)-(N2)n clusters (n B). <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3798-806	3.6	20

120	Infrared spectrum of the Ag(+)-(pyridine)2 ionic complex: probing interactions in artificial metal-mediated base pairing. <i>ChemPhysChem</i> , 2011 , 12, 1999-2008	3.2	20
119	Intermolecular interaction in an open-shell pi-bound cationic complex: IR spectrum and coupled cluster calculations for C ₂ H ₂ ⁺ -Ar. <i>Journal of Chemical Physics</i> , 2004 , 121, 1744-53	3.9	20
118	The inter molecular potential of NH ⁺ 4-Ar II. Calculations and experimental measurements for the rotational structure of the v 3 band. <i>Molecular Physics</i> , 2000 , 98, 81-91	1.7	20
117	Zero kinetic energy photoelectron (ZEKE) spectroscopy of the heterotrimer phenol-water-argon: Interaction between a hydrogen bond and a van der Waals bond. <i>Chemical Physics</i> , 1996 , 207, 437-449	2.3	20
116	Optical spectroscopy of isolated flavins: photodissociation of protonated lumichrome. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 7407-7414	3.6	19
115	IRMPD spectroscopy of metalated flavins: structure and bonding of M(q+)-lumichrome complexes (M(q+) = Li ⁺ -Cs ⁺ , Ag ⁺ , Mg ⁺⁺). <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 14161-71	3.6	19
114	Solvent migration in microhydrated aromatic aggregates: ionization-induced site switching in the 4-aminobenzonitrile-water cluster. <i>Chemistry - A European Journal</i> , 2014 , 20, 2031-9	4.8	19
113	IR Spectrum and Structure of the Phenyl Cation. <i>Angewandte Chemie</i> , 2010 , 122, 10343-10346	3.6	19
112	Infrared and electronic spectroscopy of p-C ₆ H ₄ Cl ₂ + Ar_n clusters with L=Ar, N ₂ , H ₂ O, and p-C ₆ H ₄ Cl ₂ . <i>International Journal of Mass Spectrometry</i> , 2010 , 297, 85-95	1.9	19
111	IR Spectrum of the Ethyl Cation: Evidence for the Nonclassical Structure. <i>Angewandte Chemie</i> , 2008 , 120, 401-403	3.6	19
110	Microsolvation of the ammonia cation in argon: I. Ab initio and density functional calculations of NH ₃ + Ar_n (n=0-5). <i>Chemical Physics</i> , 2002 , 283, 63-84	2.3	19
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