Anthony Charles Legon

List of Publications by Citations

258 papers	12,629 citations	46 h-index	104 g-index
272 ext. papers	13,533 ext. citations	6.5 avg, IF	6.65 L-index

#	Paper	IF	Citations
258	Definition of the halogen bond (IUPAC Recommendations 2013). *Pure and Applied Chemistry*, **2013**, 85, 1711-1713	2.1	1259
257	Definition of the hydrogen bond (IUPAC Recommendations 2011). *Pure and Applied Chemistry*, **2011** , 83, 1637-1641	2.1	1111
256	Defining the hydrogen bond: An account (IUPAC Technical Report). *Pure and Applied Chemistry*, **2011**, 83, 1619-1636	2.1	738
255	Prereactive Complexes of Dihalogens XY with Lewis Bases B in the Gas Phase: A Systematic Case for the Halogen Analogue B small middle dot small middle dot small middle dotXY of the Hydrogen Bond B small middle dot small middle dot small middle dotHX. *Angewandte Chemie - International Edition*, **1999**, 38, 2686-2714	16.4	562
254	The halogen bond: an interim perspective. *Physical Chemistry Chemical Physics*, **2010**, 12, 7736-47	3.6	509
253	Halogen bonding: a new interaction for liquid crystal formation. *Journal of the American Chemical Society*, **2004**, 126, 16-7	16.4	477
252	Gas-phase spectroscopy and the properties of hydrogen-bonded dimers. HCN.cntdot..cntdot..cntdot.HF as the spectroscopic prototype. *Chemical Reviews*, **1986**, 86, 635-657	68.1	267
251	Angular geometries and other properties of hydrogen-bonded dimers: a simple electrostatic interpretation of the success of the electron-pair model. *Chemical Society Reviews*, **1987**, 16, 467	58.5	235
250	Determination of properties of hydrogen-bonded dimers by rotational spectroscopy and a classfication of dimer geometries. *Faraday Discussions of the Chemical Society*, **1982**, 73, 71		224
249	Directional character, strength, and nature of the hydrogen bond in gas-phase dimers. *Accounts of Chemical Research*, **1987**, 20, 39-46	24.3	193
248	Definition of the chalcogen bond (IUPAC Recommendations 2019). *Pure and Applied Chemistry*, **2019**, 91, 1889-1892	2.1	183
247	Equilibrium conformations of four- and five-membered cyclic molecules in the gas phase: determination and classification. *Chemical Reviews*, **1980**, 80, 231-262	68.1	178
246	Pulsed-Nozzle, Fourier-Transform Microwave Spectroscopy of Weakly Bound Dimers. *Annual Review of Physical Chemistry*, **1983**, 34, 275-300	15.7	159
245	Tetrel, pnictogen and chalcogen bonds identified in the gas phase before they had names: a systematic look at non-covalent interactions. *Physical Chemistry Chemical Physics*, **2017**, 19, 14884-14896	3.6	157
244	The rotational spectrum and molecular structure of the acetylene□HCl dimer. *Journal of Chemical Physics*, **1981**, 75, 625-630	3.9	151
243	□Electron □Donor□Acceptor□Complexes B???ClF and the Existence of the □Chlorine Bond□ *Chemistry - A European Journal*, **1998**, 4, 1890-1897	4.8	128
242	Hydrogen bonding as a probe of electron densities: limiting gas-phase nucleophilicities and electrophilicities of B and HX. *Journal of the American Chemical Society*, **1987**, 109, 356-358	16.4	128

241	The nature of ammonium and methylammonium halides in the vapour phase: hydrogen bonding versus proton transfer. *Chemical Society Reviews*, **1993**, 22, 153	58.5	122
240	The rotational spectrum, H, 19F nuclear spin□uclear spin coupling, D nuclear quadrupole coupling, and molecular geometry of a weakly bound dimer of carbon monoxide and hydrogen fluoride. *Journal of Chemical Physics*, **1981**, 74, 4944-4950	3.9	115
239	The microwave rotational spectrum, molecular geometry, 14N nuclear quadrupole coupling constants, and H, 19F nuclear spin□uclear spin coupling constant of the nitrogen□ydrogen fluoride dimer. *Journal of Chemical Physics*, **1982**, 76, 292-300	3.9	112
238	The rotational spectrum, structure, and molecular properties of the ethylene□HCl dimer. *Journal of Chemical Physics*, **1981**, 75, 2126-2134	3.9	102
237	Molecular structure of ArDF: An analysis of the bending mode in the rare gas□ydrogen halides. *Journal of Chemical Physics*, **1981**, 74, 2133-2137	3.9	92
236	Nature, geometry, and binding strength of the ammonia□ydrogen chloride dimer determined from the rotational spectrum of ammonium chloride vapor. *Journal of Chemical Physics*, **1988**, 88, 4694-4701	3.9	91
235	Microwave rotational spectrum, molecular geometry, and intermolecular interaction potential of the hydrogen-bonded dimer OC□HCl. *Journal of Chemical Physics*, **1981**, 74, 2138-2142	3.9	90
234	Tilden Lecture. The properties of hydrogen-bonded dimers from rotational spectroscopy. *Chemical Society Reviews*, **1990**, 19, 197	58.5	88
233	The Interaction of Dihalogens and Hydrogen Halides with Lewis Bases in the Gas Phase: An Experimental Comparison of the Halogen Bond and the Hydrogen Bond **2007**, 17-64		85
232	Rotational spectrum of (CH3)3P?HCl and a comparison of properties within the series of axially symmetric dimers R3Y?HCl, where Y = N or P and R = H or CH3. *Journal of the Chemical Society, Faraday Transactions*, **1990**, 86, 1915-1921		83
231	Rotational Spectra of the Less Common Isotopomers, Electric Dipole Moment and the Double Minimum Inversion Potential of H2O□HCl. *Journal of Physical Chemistry A*, **2000**, 104, 6970-6978	2.8	78
230	Pr□eaktive Komplexe der Dihalogene XY mit Lewis-Basen B in der Gasphase: eine systematische Studie der Halogen-Analoga B???XY der Wasserstoffbr□kenbindungen B???HX. *Angewandte Chemie*, **1999**, 111, 2850-2880	3.6	75
229	Non-linear hydrogen bonds and rotational spectroscopy: measurement and rationalisation of the deviation from linearity. *Faraday Discussions*, **1994**, 97, 19	3.6	69
228	The rotational spectrum and molecular properties of a hydrogen-bonded complex formed between hydrogen cyanide and hydrogen chloride. *Journal of Chemical Physics*, **1982**, 76, 2267-2274	3.9	68
227	The rotational spectrum, chlorine nuclear quadrupole coupling constants, and molecular geometry of a hydrogen-bonded dimer of cyclopropane and hydrogen chloride. *Journal of the American Chemical Society*, **1982**, 104, 1486-1490	16.4	64
226	The rotational spectra of weakly bound dimers of carbon monoxide and the hydrogen halides HX (X=F, Cl, and Br). *Journal of Chemical Physics*, **1980**, 73, 583-584	3.9	61
225	Non-reactive interaction of ammonia and molecular chlorine: rotational spectrum of the □harge-transfer□complex H3N?Cl2. *Journal of the Chemical Society, Faraday Transactions*, **1994**, 90, 3205-3212		59
224	Rotational spectrum, structure, and chlorine nuclear quadrupole tensor of the vinyl fluoride□HCl dimer. *Journal of Chemical Physics*, **1990**, 93, 3054-3062	3.9	59

223	An investigation of the hydrogen-bonded dimer H3N???HBr by pulsed-nozzle, Fourier-transform microwave spectroscopy of ammonium bromide vapor. *Journal of Chemical Physics*, **1987**, 86, 6722-6730	3.9	59
222	The properties of the hydrogen-bonded dimer (CH3)3N???HCN from an investigation of its rotational spectrum. *Journal of Chemical Physics*, **1988**, 89, 696-702	3.9	59
221	The rotational spectrum and molecular geometry of the cyclopropane HF dimer. *Journal of Chemical Physics*, **1981**, 75, 2681-2686	3.9	58
220	Microwave rotational spectrum of a weakly bound complex formed by hydrogen sulphide and hydrogen chloride. *Journal of the Chemical Society, Faraday Transactions 2*, **1984**, 80, 51		54
219	Pre-reactive complexes in mixtures of water vapour with halogens: characterisation of H2O...ClF and H2O...F2 by a combination of rotational spectroscopy and ab initio calculations. *Chemistry - A European Journal*, **2001**, 7, 2295-305	4.8	53
218	Rotational spectrum of a short-lived dimer of oxirane and hydrogen chloride: Evidence for a bent hydrogen bond. *Journal of Chemical Physics*, **1992**, 97, 3050-3059	3.9	53
217	What's in a name? 'Coinage-metal' non-covalent bonds and their definition. *Physical Chemistry Chemical Physics*, **2018**, 20, 19332-19338	3.6	51
216	Rotational spectra and structures of van der Waals dimers of Ar with a series of fluorocarbons: Ar???CH2CHF, Ar???CH2CF2, and Ar???CHFCF2. *Journal of Chemical Physics*, **1991**, 95, 2283-2291	3.9	50
215	Microwave spectrum and molecular structure of the carbon monoxide-hydrogen bromide molecular complex. *Proceedings of the National Academy of Sciences of the United States of America*, **1980**, 77, 5583-7	11.5	49
214	Existence and molecular properties of a gas-phase, hydrogen-bonded complex between hydrogen fluoride and water established from microwave spectroscopy. *Journal of the Chemical Society Chemical Communications*, **1975**, 341		49
213	The rotational spectrum and nature of the heterodimer in trimethylammonium bromide vapor. *Journal of Chemical Physics*, **1990**, 92, 6397-6407	3.9	48
212	On the directionality and non-linearity of halogen and hydrogen bonds. *Physical Chemistry Chemical Physics*, **2015**, 17, 858-67	3.6	46
211	Characterisation of the Intermediate C2H4 Cl2 in a Gaseous Mixture of Ethene and Chlorine by Rotational Spectroscopy: A Weak Type Complex. *Chemistry - A European Journal*, **1995**, 1, 17-25	4.8	45
210	An investigation of the trimethylammonium chloride molecule in the vapor phase by pulsed-nozzle, Fourier-transform microwave spectroscopy. *Journal of Chemical Physics*, **1989**, 90, 6867-6876	3.9	45
209	Interaction of water and dichlorine in the gas phase: An investigation of H2O?Cl2 by rotational spectroscopy and ab initio calculations. *Journal of Chemical Physics*, **2001**, 114, 6190-6202	3.9	44
208	Donor cceptor complexes of Lewis bases with bromine monochloride in the gas phase. Some generalisations from rotational spectroscopy. *Journal of the Chemical Society, Faraday Transactions*, **1995**, 91, 1881-1883		44
207	Isolation of stable intermediates in reactive gas mixtures: Rotational spectrum of H3P...Cl2 in a pulsed jet. *Journal of Chemical Physics*, **1993**, 98, 3827-3832	3.9	44
206	83Kr nuclear quadrupole coupling, microwave spectrum, and structure of KrHCN. *Journal of Chemical Physics*, **1983**, 78, 3483-3493	3.9	43

205	Nonreactive Interactions between Ethene and Halogens: Detection of a Donor Complex C2H4?BrCl by Rotational Spectroscopy. *Angewandte Chemie International Edition in English*, **1994**, 33, 1512-1513		42
204	Infrared diode-laser spectroscopy and Fourier-transform microwave spectroscopy of the (CO2,CO) dimer in a pulsed jet. *Journal of Chemical Physics*, **1989**, 91, 4440-4447	3.9	42
203	Microwave spectrum and structure of nitrosyl fluoride. *Transactions of the Faraday Society*, **1969**, 65, 1975		42
202	The nature of the hydrogen bond to water in the gas phase. *Chemical Society Reviews*, **1992**, 21, 71	58.5	41
201	Rotational spectrum of thiophene HCl Does thiophene act as an aromatic type electron donor or an n-type electron donor in hydrogen-bond formation?. *Journal of the Chemical Society, Faraday Transactions*, **1998**, 94, 1565-1570		40
200	The interaction of water and dibromine in the gas phase: an investigation of the complex H(2)O...Br(2) by rotational spectroscopy and ab initio calculations. *Chemistry - A European Journal*, **2002**, 8, 940-50	4.8	40
199	Geometric and electric properties of the donor cceptor complex H3NBF3. *Journal of the Chemical Society Chemical Communications*, **1995**, 113-114		40
198	Is pyridinium hydrochloride a simple hydrogen-bonded complex C5H5N HCl or an ion pair C5H5NH+ Cl in the gas phase?. *Journal of the Chemical Society, Faraday Transactions*, **1998**, 94, 837-841		38
197	The identification of the classical donor cceptor complex H3NBF3 in the gas phase. *Journal of the Chemical Society Chemical Communications*, **1991**, 1397-1399		38
196	The rotational spectrum and properties of N2 ??? HCN. *Journal of Chemical Physics*, **1985**, 82, 4434-4441	3.9	38
195	Stark effects in the rotational spectrum of the dimer H2O???HF and the variation of the electric dipole moment with excitation of the low-frequency, hydrogen-bond modes. *Journal of Chemical Physics*, **1983**, 78, 2910-2914	3.9	37
194	An Ab Initio Investigation of the Geometries and Binding Strengths of Tetrel-, Pnictogen-, and Chalcogen-Bonded Complexes of CO, NO, and CS with Simple Lewis Bases: Some Generalizations. *Molecules*, **2018**, 23,	4.8	37
193	A reduced radial potential energy function for the halogen bond and the hydrogen bond in complexes B XY and B HX, where X and Y are halogen atoms. *Physical Chemistry Chemical Physics*, **2014**, 16, 12415-21	3.6	35
192	The structure and ground state dynamics of Ar H. *Journal of Chemical Physics*, **1999**, 111, 5764-5770	3.9	35
191	Cyclopropane-hydrogen chloride dimer: identification and geometry from its rotational spectrum. *Journal of the American Chemical Society*, **1980**, 102, 7584-7585	16.4	35
190	N2-Cu-F: a complex of dinitrogen and cuprous fluoride characterized by rotational spectroscopy. *Angewandte Chemie - International Edition*, **2006**, 45, 6341-3	16.4	34
189	The rotational spectrum and molecular properties of the hydrogen cyanide hydrogen bromide complex. *Journal of Chemical Physics*, **1983**, 78, 3494-3500	3.9	34
188	Monohydrates of cuprous chloride and argentous chloride: H2O???CuCl and H2O???AgCl characterized by rotational spectroscopy and ab initio calculations. *Journal of Chemical Physics*, **2011**, 134, 134305	3.9	33

187	Detection and Characterization of a Pre-Reactive Complex in a Mixture of Water and Fluorine: Rotational Spectrum of H2O□F2. *Angewandte Chemie International Edition in English*, **1997**, 36, 129-130		33
186	Rotational spectrum of a weakly bound dimer of formaldehyde and acetylene: Identification and characterization of a bridged planar form involving two nonlinear hydrogen bonds. *Journal of Chemical Physics*, **1988**, 88, 6793-6800	3.9	33
185	An investigation of the rotational spectrum of H2S???HF by pulsed-nozzle, Fourier-transform microwave spectroscopy: Determination of the hyperfine coupling constants □a (33S), □aa, and DH(D)Faa. *Journal of Chemical Physics*, **1984**, 81, 20-26	3.9	33
184	Rotational spectroscopy of a weak complex of thiirane and ethyne: The identification and properties of a highly nonlinear S?H□ hydrogen bond. *Journal of Chemical Physics*, **2003**, 119, 7903-7912	3.9	32
183	The pre-reactive complex H2O?ClF identified in mixtures of water vapour and chlorine monofluoride by rotational spectroscopy. *Chemical Communications*, **1996**, 2327-2328	5.8	32
182	Rotational spectrum of the trimethylamine-hydrogen iodide dimer: An ion pair (CH3)3NH+???I□ in the gas phase. *Journal of Chemical Physics*, **1993**, 99, 1463-1468	3.9	32
181	The rotational spectrum and molecular geometry of an antihydrogen-bonded dimer of sulfur dioxide and hydrogen cyanide. *Journal of Chemical Physics*, **1986**, 85, 6828-6836	3.9	32
180	Internal rotation and halogen bonds in CF3I▪NH3 and CF3I▪N(CH3)3 probed by broadband rotational spectroscopy. *Physical Chemistry Chemical Physics*, **2011**, 13, 20736-44	3.6	31
179	The complex H3N???Br2 characterized in the gas phase by rotational spectroscopy. *Journal of Chemical Physics*, **1995**, 103, 876-882	3.9	31
178	Identification and characterisation of the gas-phase complex HCN?Cl2 by rotational spectroscopy. *Journal of the Chemical Society, Faraday Transactions*, **1993**, 89, 4157-4162		31
177	Rotational spectrum of the gas-phase dimer OC?BrCl. *Journal of the Chemical Society, Faraday Transactions*, **1994**, 90, 1365-1371		31
176	The microwave spectrum, structure, and dipole moment of nitryl fluoride. *The Journal of the Chemical Society A, Inorganic, Physicaloretical*, **1968**, 1736		31
175	Characterisation of H2S▪CuCl and H2S▪AgCl isolated in the gas phase: a rigidly pyramidal geometry at sulphur revealed by rotational spectroscopy and ab initio calculations. *Journal of Chemical Physics*, **2011**, 135, 014307	3.9	30
174	Rotational spectrum, H, 19F spin□spin and D□nuclear quadrupole coupling constants, and molecular geometry of the sulphur dioxide□hydrogen fluoride dimer. *Journal of Chemical Physics*, **1986**, 85, 3180-3187	3.9	30
173	Structure and potential energy function of cyclopent-3-enone. Part 1. Microwave spectrum, ring planarity, rs-structure, and dipole moment. *Journal of the Chemical Society, Faraday Transactions 2*, **1973**, 69, 902-915		30
172	Inter- and intramolecular electron transfer in the complex OC▪Cl determined from iodine and chlorine nuclear quadrupole hyperfine structure in its rotational spectrum. *Physical Chemistry Chemical Physics*, **1999**, 1, 3097-3101	3.6	29
171	Evidence for a pre-reactive intermediate in a gaseous mixture of ethyne and chlorine monofluoride. Rotational spectrum of the Mulliken b□a□ complex C2H2?ClF. *Journal of the Chemical Society, Faraday Transactions*, **1996**, 92, 1291-1296		29
170	Microwave spectrum, structure, dipole moment, and deuterium nuclear quadrupole coupling constants of the acetylene□sulfur dioxide van der Waals complex. *Journal of Chemical Physics*, **1991**, 94, 6947-6955	3.9	29

169	Investigation of the rotational spectrum of the hydrogen-bonded dimer CF2CH2?HCl. *Journal of the Chemical Society, Faraday Transactions*, **1992**, 88, 3385-3391		29
168	Rotational spectroscopy of the gas phase complex of water and bromine monochloride in the microwave region: Geometry, binding strength and charge transfer. *Physical Chemistry Chemical Physics*, **2001**, 3, 3006-3011	3.6	28
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166	Pre-reactive intermediates in gas-phase chemical reactions: a contribution from rotational spectroscopy. *Chemical Communications*, **1996**, 109	5.8	28
165	A non-linear hydrogen bond F?HBr in vinyl fluoride ?HBr characterised by rotational spectroscopy. *Physical Chemistry Chemical Physics*, **2002**, 4, 4103-4108	3.6	27
164	Properties of the halogen-bonded complex H2S-Br2 established by rotational spectroscopy and ab initio calculations. *Physical Chemistry Chemical Physics*, **2001**, 3, 2758-2764	3.6	27
163	H2S?Cl2 characterised in a pre-reactive gas mixture of hydrogen sulfide and chlorine through rotational spectroscopy: the nature of the interaction. *Journal of the Chemical Society, Faraday Transactions*, **1995**, 91, 2059-2066		27
162	Methane as a proton acceptor: rotational spectrum and internal dynamics of a weakly bound dimer of methane and hydrogen cyanide. *Journal of the Chemical Society, Faraday Transactions*, **1992**, 88, 1		27
161	Evidence concerning the relative nucleophilicities of non-bonding and -bonding electrons in furan from the rotational spectrum of furan-ClF. *Journal of the Chemical Society, Faraday Transactions*, **1998**, 94, 2675-2680		26
160	The pairwise interaction of methane with hydrogen cyanide: a surprising result from rotational spectroscopy. *Journal of the Chemical Society Chemical Communications*, **1989**, 588		26
159	Changes in the geometries of C- and C- on coordination to CuCl revealed by broadband rotational spectroscopy and ab-initio calculations. *Inorganic Chemistry*, **2014**, 53, 10722-30	5.1	25
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155	Distortion of ethyne on formation of a -complex with silver chloride: C2H2?Ag-Cl characterised by rotational spectroscopy and ab initio calculations. *Journal of Chemical Physics*, **2012**, 137, 174302	3.9	24
154	Rotational spectra and properties of complexes B-CF3 (B = Kr or CO) and a comparison of the efficacy of ICl and ICF3 as iodine donors in halogen bond formation. *Journal of Chemical Physics*, **2011**, 135, 224309	3.9	24
153	H3N?AgCl: Synthesis in a supersonic jet and characterisation by rotational spectroscopy. *Chemical Physics Letters*, **2010**, 499, 16-20	2.5	24
152	The b-complex C2H2?Cl2 characterised by rotational spectroscopy as an intermediate in a reactive mixture of ethyne and chlorine. *Journal of the Chemical Society, Faraday Transactions*, **1995**, 91, 1891-1900		24

151	Charge-transfer complexes of ammonia with halogens. Nature of the binding in H3N?BrCl from its rotational spectrum. *Journal of the Chemical Society, Faraday Transactions*, **1995**, 91, 781-787		24
150	The Pre-Reactive Complex of H2S and BrCl; Observation and Characterisation by Rotational Spectroscopy. *Chemistry - A European Journal*, **1996**, 2, 265-270	4.8	24
149	Halogen Bonding with Phosphine: Evidence for Mulliken Inner Complexes and the Importance of Relaxation Energy. *Journal of Physical Chemistry A*, **2016**, 120, 8461-8468	2.8	24
148	Molecular geometries of H2S CF3 and H2O CF3 characterised by broadband rotational spectroscopy. *Physical Chemistry Chemical Physics*, **2011**, 13, 21093-101	3.6	23
147	A prototype transition-metal olefin complex C2H4 AgCl synthesised by laser ablation and characterised by rotational spectroscopy and ab initio methods. *Journal of Chemical Physics*, **2011**, 135, 024315	3.9	23
146	Microwave spectrum and structure of the polar N2O dimer. *Journal of Molecular Spectroscopy*, **2008** , 251, 153-158	1.3	23
145	An investigation of the gas-phase complex of water and iodine monochloride by microwave spectroscopy: geometry, binding strength and electron redistribution. *Physical Chemistry Chemical Physics*, **2000**, 2, 1659-1665	3.6	23
144	Angular geometries of complexes containing the O?ClF linkage: Rotational spectrum of formaldehyde?chlorine monofluoride. *Journal of Chemical Physics*, **1998**, 108, 39-45	3.9	23
143	Experimental detection and properties of H2O...Ag-Cl and H2S...Ag-Cl by rotational spectroscopy. *Angewandte Chemie - International Edition*, **2010**, 49, 181-3	16.4	22
142	Rotational Spectroscopy of Mixtures of Trimethylamine and Fluorine: Identification of the Ion Pair [(CH3)3NF]+ F In the Gas Phase. *Angewandte Chemie International Edition in English*, **1997**, 36, 1340-1342		22
141	Are members of the family of hydrogen-bonded complexes formed by furan with the hydrogen halides isostructural? An answer from the rotational spectrum of furan?HBr. *Journal of Chemical Physics*, **2002**, 117, 2790-2799	3.9	22
140	Non-reactive interaction of oxirane and hydrogen bromide: isolation of an oxirane hydrogen bromide dimer in a supersonic jet and its characterisation by microwave spectroscopy. *Journal of the Chemical Society, Faraday Transactions*, **1990**, 86, 3975-3982		22
139	Rotational spectroscopy and the properties of hydrogen-bonded dimers BHA. *The Journal of Physical Chemistry*, **1983**, 87, 2064-2072		22
138	Rotational spectrum and structure of a hydrogen-bonded dimer of phosphine with hydrogen bromide. *The Journal of Physical Chemistry*, **1983**, 87, 2085-2090		22
137	Nucleophilicities of Lewis Bases B and Electrophilicities of Lewis Acids A Determined from the Dissociation Energies of Complexes B?A Involving Hydrogen Bonds, Tetrel Bonds, Pnictogen Bonds, Chalcogen Bonds and Halogen Bonds. *Molecules*, **2017**, 22,	4.8	21
136	A pseudo-analogue of a Mulliken b type complex: The rotational spectrum of cyclopropane chlorinemonofluoride. *Journal of the Chemical Society, Faraday Transactions*, **1997**, 93, 373-378		21
135	Rotational spectroscopy of H[sub 3]P?BrCl and the systematics of intermolecular electron transfer in the series B?BrCl, where B=CO, HCN, H[sub 2]O, C[sub 2]H[sub 2], C[sub 2]H[sub 4], H[sub 2]S, NH[sub 3], and PH[sub 3]. *Journal of Chemical Physics*, **2000**, 113, 5278	3.9	21
134	Rotational spectroscopy of a mixture of thiirane and hydrogen bromide: detection and characterization of a short-lived complex (CH2)2SHBr in a pulsed jet. *Journal of the Chemical Society, Faraday Transactions*, **1991**, 87, 3327-3334		21

133	Hydrogen bonding in the gas phase. Infrared spectroscopic investigation of hydrogen fluoride alcohol□eterodimers. *Journal of the Chemical Society, Faraday Transactions 2*, **1979**, 75, 592-601		21
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131	Identification and geometry of dimers of phosphine and the hydrogen halides HCl and HBr from their rotational spectra detected by pulsed-nozzle, fourier-transform microwave spectroscopy. *Journal of the Chemical Society Chemical Communications*, **1982**, 997		21
130	The halogen bond between ethene and a simple perfluoroiodoalkane: C2H4?ICF3 identified by broadband rotational spectroscopy. *Journal of Molecular Spectroscopy*, **2012**, 280, 47-53	1.3	20
129	Halogen nuclear quadrupole coupling in the rotational spectrum of H3N■Cl as a probe of inter- and intramolecular charge transfer. *Physical Chemistry Chemical Physics*, **1999**, 1, 4695-4700	3.6	20
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126	The rotational spectrum of the weakly bound dimer N2???HBr and the dynamics of the N2 and HBr subunits. *Journal of Chemical Physics*, **1989**, 90, 672-678	3.9	20
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124	Dissociation energies of the hydrogen-bonded dimers RCN???HF (R=CH3, HCC) determined by rotational spectroscopy. *Journal of Chemical Physics*, **1987**, 86, 2530-2535	3.9	20
123	Pulsed-nozzle, Fourier-transform microwave spectroscopy of the methyl cyanide□cetylene dimer. *Journal of Chemical Physics*, **1986**, 85, 6898-6904	3.9	20
122	Interaction of benzene and halogens in the gas-phase: rotational spectrum of C6H6■ClF. *Journal of the Chemical Society, Faraday Transactions*, **1998**, 94, 2295-2302		19
121	Geometry, strength of binding and Br2 charge redistribution in the complex OC ■Br2 determined by rotational spectroscopy. *Molecular Physics*, **1999**, 97, 159-166	1.7	19
120	Intermediates in the gas-phase reactions of acetylene and halogens: the identification of the acetylene□rCl complex by rotational spectroscopy. *Journal of the Chemical Society Chemical Communications*, **1994**, 1229-1230		19
119	Nonreactive interaction of methyl isocyanide and hydrogen chloride: isolation and characterization of CH3NC.cntdot..cntdot..cntdot.HCl in a pulsed jet. *Journal of the American Chemical Society*, **1992**, 114, 8177-8180	16.4	19
118	Rotational spectroscopy of mixtures of ethyne and iodine monochloride: isolation and characterisation of the □type complex C2H2■Cl. *Physical Chemistry Chemical Physics*, **1999**, 1, 3721-3726	3.6	18
117	Is ammonium iodide an ion pair H3N+ H?I□r a hydrogen-bonded species H3N?HI in the gas phase?. *Journal of the Chemical Society, Faraday Transactions*, **1992**, 88, 761-762		18
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115	Internal dynamics of subunits and bending force constants in weakly bound dimers. *Journal of the Chemical Society, Faraday Transactions 2*, **1986**, 82, 1189		18
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112	Monohydrate of argentous fluoride: H2O?AgF characterised by rotational spectroscopy and ab initio calculations. *Journal of Molecular Spectroscopy*, **2011**, 267, 163-168	1.3	17
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