BIBLIOGRAPHY OF ROTATIONAL SPECTRA OF WEAKLY BOUND COMPLEXES

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https://wesfiles.wesleyan.edu/home/snovick/SN_webpage/vdw.pdf

ABSTRACT. The following bibliography contains references to high resolution experimental studies of weakly bound complexes. The list was originally compiled to include only microwave experiments, but has since grown to include other experiments done to rotational resolution. In addition, some experimentally oriented theoretical calculations have been included. I make no claims of completeness for this bibliography and apologize in advance for the inevitable omissions. I would appreciate learning about any errors and oversights in the compilation. This bibliography is an updated version of a publication of the same name which appeared in "Structure and Dynamics of Weakly Bound Molecular Complexes", ed. A. Weber, pg 201, (Reidel, Dordrecht, 1987). The format of font size 8 allows for one line per reference in most cases. When referencing this bibliography in the literature, please cite: "S. E. Novick, Bibliography of Rotational Spectra of Weakly Bound Complexes, (2019), https://wesfiles.wesleyan.edu/home/snovick/SN_webpage/vdw.pdf". The "nominally inclusive" date signifies that the bibliography is most reliable up to that publication date. There are more recent entries, but they are only a subset of the literature.

Latest update: 1/18/19
nominally inclusive up through April 2002

He	He	T	JCP	111	9248	1999	T VAN MOURIK, TH DUNNING Jr
He	He quantum reflection		SCI	331	892	2011	BS ZHAO, G MEIJER, W SCHOLLKOPF
He	(He)3	T	JCP	102	7095	1995	I ROEGGEN, J ALMLOF
He	Ne+		CPL	314	501	1999	J SEONG, KC JANDA, ..., N HALBERSTADT
He	Ar+	mw	JCP	102	2379	1995	A CARRINGTON, CA LEACH, AJ MARR, AM SHAW, MR VIANT, JM HUTSON, MM LAW
He	Kr+	mw	JCP	105	8602	1996	A CARRINGTON, CH PYNE, AM SHAW, SM TAYLOR, JM HUDSON, MM LAW
He	Mg	T	JCP	91	1114	1989	DJ FUNK, WH BRECKINRIDGE, J SIMONS, G CHALASINSKI
He	F2	T	JCP	110	860	1999	KW CHAN, TD POWER, J JAI-NHUKNAN, SM CYBULSKI
He	Cl2	E	JCP	84	1165	1986	JI CLINE, DD EVARD, F THOMMEN, KC JANDA
He	Cl2	E	JCP	89	3535	1988	JI KLINE, BP REID, DD EVARD, N SIVAKUMAR, N HALBERSTADT, KC JANDA
He	Cl2	T	JCP	102	8846	1995	SS HUANG, CR BIELER, KC JANDA, F-M TAO, W KLEMPERER, P CASAVECCHIA, GG VOLPI, N HALBERSTADT
He	Cl2	T	CP	219	161	1997	BL GRIGORENKO, AV NEMUKHIN, VA APKARIAN
He	Cl2	T	JCP	108	9301	1998	FY NAUMKIN, FRW McCOURT
He	Cl2	T	JCP	110	7745	1999	SM CYBULSKI, JS HOLT
He	Cl2	T	JCP	111	997	1999	J WILLIAMS, A ROHRBACHER, J SEONG, N MARIANAYAGAM, KC JANDA, R BURCL, MM SZCZESNIAK, G CHALASINSKI, SM CYBULSKI, N HALBERSTADT
He	I2	E	JCP	68	671	1978	RE SMALLEY, L WHARTON, DH LEVY
He	ICl	LIF	JCP	118	7233	2003	MD BRADKE, RA LOOMIS
He	Br	T	JCP	115	10438	2001	MP de LARA-CASTELLS, RV KREMS, AA BUCHANCHENKO, G DELGADO-BARRIO, P VILLARREAL
He	Br2	E	JCP	81	5514	1984	LJ VAN DE BURGT, J-P NICOLAI, MC HEAVEN
He	Br2	E	JCP	104	3501	1996	DG JAHN, WS BARNEY, J CABALO, SG CLEMENT, A ROHRBACHER, TJ SLOTTERBACK, J WILLIAMS, KC JANDA
He	Br2	T	JCP	105	7454	1996	T GONZALEZ-LEZANA, MI HERNANDEZ, G DELGADO-BARRIO, AA BUCHACHENKO, P VILLARREAL
He	Br2	D	JCP	106	3216	1997	T GONZALEZ-LEZANA, MI HERNANDEZ, G DELGADO-BARRIO, P VILLARREAL
He	Br2	DT	JCP	110	256	1998	A ROHRBACHER, T RUCHTI, KC JANDA, AA BUCHACHENKO, MI HERNANDEZ, T GONZALEZ-LEZANA, P VILLARREAL, G DELGADO-BARRIO
He	Br2	T	JCP	115	10438	2001	MP de LARA-CASTELLS, RV KREMS, AA BUCHANCHENKO, G DELGADO-BARRIO, P VILLARREAL
He	ClF far	I ?				1995	S DRUCKER, W KLEMPERER
He	ClF	mw&T	JCP	109	3048	1998	K HIGGENS, FM TAO, W KLEMPERER
He	HF	T	COL		TE5	1991	T SLEE, RJ LE ROY
He	HF	ID	JCP	93	5387	1990	CM LOVEJOY, DJ NESBITT
He	HCl	ID	JCP	93	5387	1990	CM LOVEJOY, DJ NESBITT
He	CdCH3	E	COL	FB11		1991	AM ELLIS, ESJ ROBLES, TA MILLER
He	C5H5	E	JCP	97	5273	1992	L YU, J WILLIAMSON, SC FOSTER, TA MILLER
He	CO	I ?	JCP	93	18	1990	ARW McKELLAR
He	CO T &	IR	JCP	101	39	1994	CE CHUAQUI, RJ LEROY, ARW McKELLAR
He	CO	T	JCP	101	8680	1994	FM TAO, S DRUCKER, RC COHEN, W KLEMPERER
He	CO	T	COL	RE06		1994	FM TAO, S DRUCKER, R COHEN, W KLEMPERER
He	CO	I	JCP	105	7910	1996	M-C CHAN, ARW McKELLAR
He	CO	T&I	JCP	107	9921	1997	TGA HEIJMEN, R MOSZYNSKI, PES WORMER, A VAN DER AVVOIRD
He	CO	T	JCP	107	9929	1997	JP REID, CJSM SIMPSON, HM QUINEY
He	CO mw &	I	JCP	110	10766	'99	ARW McKELLAR, Y XU, W JAEGER, C BISSONNETTE
He	CO	mm	JCP	112	4064	2000	LA SURIN, DA ROTH, I PAK, BS DUMESH, F LEWEN, G WINNEWISSER
He	CO	T	MP	98	1995	2000	R KOBAYASHI, RD AMOS, ..., CJSM SIMPSON
He	CO	T	MP	99	689	2001	FA GIANTURCO, F PAESANI
He	CO	T	JCP	119	131	2003	WB ZEIMEN, GC GROENENBOOM, A van der AVOIRD

He	CO		E	JCP	119	141	2003	WB ZEIMEN, GC GROENENBOOM, A van der AVOIRD
He	CO2	T &	IR	JCP	101	8351	1994	MJ WEIDA, JM SPERHAC, DJ NESBITT, JM HUTSON
He	CO2		T	JCP	109	10284	'98	G YAN, M YANG, D XIE
He	CO2		T	JCP	111	6439	1999	F NEGRI, F ANCILOTTO, F TOIGO
He	CO2		mw	JMSt	599	211	2001	Y XU, W JAEGER
He	CO2		T	JCP	115	3074	2001	T KORONA, R MOSZYNSKI, F THIBAULT, J-M LAUNAY, B BUSSERY-HONVAULT, PES WORMER
He	CO2		T	CPL	349	335	2001	G MAROULIS, A HASKOPOULOS
He	OCS	T &	mw	JCP	110	1383	1999	K HIGGINS, W KLEMPERER
He	OCS		T	JCP	113	3011	2000	FA GIANTURCO, F PAESANI
He	OCS		T	JCP	115	5059	2001	JMM HOWSON, JM HUTSON
He	OCS		I	JCP	125	144306	'06	Z ABUSARA, L BOVAYEH, N MOAZZEN-AHMADI, ARW McKELLAR
He	OCS		mw	JMSp			2008	Y XU, W JAEGER
He2	OCS		mw	CPL	350	417	2001	Y XU, W JAEGER
He2	OCS		I	CPL	694	35	2018	JN OLIAEE, N MOAZZEN-AHAMDI, ARW McKELLAR, X-G WANG, T CARRINGTON Jr
He(2-8)	OCS		Imw	SCI	297	2030	2002	J TANG, Y XU, ARW McKELLAR, W JAEGER
He(2-7)	OCS		I	JCP	125	144306	'06	Z ABUSARA, L BOVAYEH, N MOAZZEN-AHMADI, ARW McKELLAR
He n	OCS		mw	JCP	119	5457	2003	Y XU, W JEAGER
He6000	OCS		Imw	JCP	113	9060	2000	S GREBENEV, M HAVENITH, F MADEJA, JP TOENNIES, AF VILESOV
He n	OCS		Imw	JCP	116	7473	2002	M KUNZE, PRL MARKWICK, N PORTNER, J REUSS, M HAVENITH
He n	OCS H2		Imw	JCP	114	617	2001	S GREBENEV, BG SARTAKOV, JP TOENNIES, AF VILESOV
He	HCN T & mm		wave	JPC	99	2646	1995	S DRUCKER, FM TAO, W KLEMPERER
He	HCN		m				1994	HS GUTOWSKY et al.
He	HCN		T	JCP	105	440	1996	KM ATKINS, JM HUTSON
He	HCN		T	JCP	114	851	2001	RR TOCZYLOWSKI, F SLAWOMIR, M CYBULSKI
He(1-6)	HCN		mw	JCP	137	174303	'12	SP DEMPSTER, O SUKHORUKOV, Q-Y LEI, W JAEGER
He	HCCH		MBER	COL	RE05		1994	S DRUCKER, FM TAO, W KLEMPERER
He	HCCH		I&T	JCP	102	8385	1995	R MOSZYNSKI, PES WORMER, A VAN DER AVOIRD
He	HCCCN		mw	JCP	123	064303	'05	WC TOPIC, W JAEGER
He	N2H+		I	JCP	102	5570	1995	SA NIZKORODOV, JP MAIER, EJ BIESKE
He	HCO+		I	JCP	103	1297	1995	SA NIZKORODOV, JP MAIER, EJ BIESKE
He	CH4		T	CPL	227	483	1997	D GAO, L CHEN, Z LI, F-M TAO, Y-K PAN
He	CH4		T	JCP	113	6724	2000	R SPECCHIO, A FAMULARI, R MARTINAZZO, M RAIMONDI
He	C12H12		T&E	JCP	107	8781	1997	A BACH, S LEUTWYLER, D SABO, Z BACIC {2,3-dimethylnaphthalene}
He	NO		T	JCP	109	157	1998	EPF LEE, TG WRIGHT
He	N2O		mw	JCP	121	12308	'04	X SONG, Y XU, P-N ROY, W JAEGER
He n	N2O		mw	PRL	91	16301	'03	Y XU, W JAEGER, J TANG, ARW McKELLAR
He	C5H5N		mw	JCP	127	034302	'07	C TANJAROON, W JAEGER {pyridine}
He	(CH2)3		T	JCP	115	8431	2001	TB PEDERSEN, B FERNANDEZ, H KOCH, J MAKAREWICZ {cyclopropane}
He	C10H8		T	JCPA	105	10379	'01	E CLEMENTI, G CORONGIN(?) {napthalene}
He	CuF		T	JCPA	114	4446	2010	CJ EVANS, TG WRIGHT, AM GARDNER {Rg MX; Rg = He, Ne, Ar; M = Cu, Ag, Au; X = F, Cl}
He	CH3		T	JCP	116	1012	2002	O DOPFER, D LOCKHAUS
He	H2O		T	JCP	116	1397	2002	MP HODGES, RJ WHEATLEY, AH HARVEY
He	H F lifetime		T	CPL	352	91	2002	T TAKAYANAGI, A WADA {H He F}
He	ThO		T	CP	399	50	2012	ER SAYFUTYARORA, AA BUCHACHENKO, M HAPKA, MM AZCZESNIAK, G CHALASINSKI
He2	Cl2		E	JCP	95	729	1991	WD SANDS, CR BIELER, KC JANDA
He2	Cl2		T	JCP	113	7252	2000	M HERNANDEZ, N HALBERSTADT, WD SANDS, KC JANDA
He2	C5H5		E	JCP	97	5273	1992	L YU, J WILLIAMSON, SC FOSTER, TA MILLER
He2	CH3C5H4		E	JCP	97	5273	1992	L YU, J WILLIAMSON, SC FOSTER, TA MILLER
He2	Ne+		T	JMSt	440	53	1998	Z HUANG, ZH ZHU
Ne	Ar		mw	JCP	102	1181	1995	J-U GRABOW, AS PINE, GT FRASER, FJ LOVAS, RD SUENRAM, T EMILSSON, E ARUNAN, HS GUTOWSKY
Ne	Ar CO2		mw?	MP	93	727	1998	Y XU, W JAEGER
Ne	Ar HCl		mw	JCP	110	4354	1998	Y XU, GS ARMSTRONG, W JAEGER
Ne	Ar N2O		mw	MP	99	13	2001	MS NGARI, Y XU, W JAEGER
Ne	Ar2		T	JCP	103	3386	1995	A ERNESTI, JM HUTSON
Ne	Ar2		mw	JCP	107	4788	1997	Y XU, W JAEGER
Ne	Ar3		mw	JCP	107	4788	1997	Y XU, W JAEGER
Ne2	Ar		T	JCP	103	3386	1995	A ERNESTI, JM HUTSON
Ne2	Ar		mw	JCP	107	4788	1997	Y XU, W JAEGER
Ne2	Ar2		mw	JCP	107	4788	1997	Y XU, W JAEGER
Ne3	Ar		mw	JCP	107	4788	1997	Y XU, W JAEGER
Ne	Kr		mw	JCP	103	2827	1995	Y XU, W JAEGER, J DJAUHARI, MCL GERRY
Ne2	Kr		mw	JCP	100	4171	1994	Y XU, W JAEGER, MCL GERRY
Ne2	Kr		T	JCP	103	3386	1995	A ERNESTI, JM HUTSON
Ne	Xe		mw	JCP	99	919	1993	W JAEGER, Y XU, MCL GERRY
Ne2	Xe		mw	JCP	100	4171	1994	Y XU, W JAEGER, MCL GERRY
Ne2	Xe		T	JCP	103	3386	1995	A ERNESTI, JM HUTSON
Ne	B		E	JCP	103	2779	1995	X YANG, E HWANG, PJ DAGDIGIAN, M YANG, MH ALEXANDER
Ne	H2 scattering		&T	JCP	101	8800	1994	M FAUBEL,FA GIANTURCO,F RAGNETTI,LY RUSIN,F SONDERMANN,U TAPPE,JP TOENNIES
Ne	H2		T	COL	TL01		1995	K CROWELL, RJ LE ROY, ARW McKELLAR

Ne	HF	T	JCP	91	711	1989	SV ONEIL, DJ NESBITT, P ROSMUS, H-J WERNER, DC CLARY
Ne	HF	T	JC	91	722	1989	DJ NESBITT, CM LOVEJOY, TG LINDEMAN, SV ONEIL, DC CLARY
Ne	HF		JMSp	140	141	1990	GT FRASER, RD SUENRAM
Ne	DF	ID	JCP	94	208	1991	CM LOVEJOY, DJ NESBITT
Ne	HF vib freq		MP	81	1225	1994	SAC MCDOWELL, MG TREFRY, AD BUCKINGHAM
Ne	HF	T	JCP	110	8338	1999	M MEUWLY, JM HUTSON
Ne	HF in He	I	JCP	115	4508	2001	K NAUTA, RE MILLER
Ne	DCl		MP	41	619	1980	AE BARTON, DJB HOWLETT, BJ HOWARD
Ne	HCl		MP	51	1493	1984	EJ CAMPBELL, WG READ
Ne	DCl	I	JCP	94	5796	1991	MD SCHUDER, DD NELSON Jr, DJ NESBITT
Ne	HCl	I	CPL	88	147	1988	CM LOVEJOY, DJ NESBITT
Ne	HCl	T	JCP	91	4448	1989	JM HUTSON
Ne	HCl	T	MP	100	151	2002	JM HUTSON, BJ HOWARD
Ne	F2	T	JCP	110	860	1999	KW CHAN, TD POWER, J JAI-NHUKNAN, SM CYBULSKI
Ne	Cl2	I	JCP	84	3630	1986	DD EVARD, F THOMMEN, KC JANDA
Ne2	Cl2		Col			1988	CR BIELER, SR HAIR, KC JANDA
Ne	Cl2	T	JCP	87	3966	1987	N HALBERSTADT, JA BESWICK, KC JANDA
Ne	Cl2	E	JPC	84	2004	1984	DE BRINZA, CM WESTERN, DD EVARD
Ne	Cl2	E	JPC	91	2508	1987	DD EVARD, F THOMMEN, JI CLINE
Ne	Cl2	T	JCP	102	1944	1995	J-Y FANG, H GUO
Ne	Cl2	T	JCP	109	1271	1998	FY NAUMKIN, FRW McCOURT
Ne	Cl2	T	JCP	110	7745	1999	SM CYBULSKI, JS HOLT
Ne	Br2	E	JCP	82	5295	1985	F THOMMEN, DD EVARD, KC JANDA
Ne	N2	T	JPC	93	7629	1989	M BERNARDI, FA GIANTURCO
Ne	N2	mw T	JCP	109	5420	1998	W JAEGER, Y XU, G ARMSTRONG, MCL GERRY, FY NAUMKIN, F WANG, FRW McCOURT
Ne	NO	D	JCP	85	1418	1986	K SATO, Y ACHIBA, H NAKAMURA, K KIMURA
Ne	NO	RTPI	JCP	109	8940	1998	J FLENIKEN, Y KIM, H MEYER
Ne	N2O	I	JMSp	189	235	1998	WA HERREBOUT, H-B QIAN, H YAMAGUCHI, BJ HOWARD
Ne	N2O	mw	JMSp	192	320	1998	MS NGARI, W JAEGER
Ne	N2O	T	CPL	351	149	2002	H ZHU, D XIE, G YAN
Ne2	N2O	mw	JCP	111	3919	1999	MS NGARI, W JAEGER
Ne	Ar N2O	mw	MP	99	13	2001	MS NGARI, Y XU, W JAEGER
Ne	OCS	E	CPL	118	12	1985	GD HAYMAN, J HODGE, BJ HOWARD, JS MUENTER, TR DYKE
Ne	OCS	I	JCP	86	1670	1987	GD HAYMAN, J HODGE, BJ HOWARD, JS MUENTER, TR DYKE
Ne	OCS		JCP	87	2010	1987	FJ LOVAS, RD SUENRAM
Ne	OCS		COL	FA7		1991	L NEMES, SL MARUCA, AM ANDREWS, KW HILLIG II, RL KUCZKOWSKI
Ne	OCS dipole		JMSp	160	422	1993	AM ANDREWS, L NEMES, SL MARUCA, KW HILLIG II, RL KUCZOWSKI, JS MUENTER
Ne	OCS	mw	JMSp	169	181	1995	Y XU, MCL GERRY
Ne	OCS	T	CPL	275	494	1997	G YAN, M YANG, D XIE
Ne2	OCS	mw	PCCP	2	3549	2000	Y XU, W JAEGER
Ne	ICl	E	JCP	94	4171	1991	TA STEPHENSON, Y HONG, MI LESTER
Ne	CO2		JCP	88	6157	1988	GT FRASER, AS PINE, RD SUENRAM
Ne	CO2	I	JCP	89	100	1988	AS PINE, GT FRASER
Ne	CO2	mw	JPC	97	357	1993	M IIDA, Y OHSHIMA, Y ENDO
Ne	CO2	mw	JMSp	192	435	1998	Y XU, W JAEGER
Ne	CO2	T	JCP	111	6439	1999	F NEGRI, F ANCILOTTO, F TOIGO
Ne	BF3	IM	JCP	90	7017	1989	Y MATSUMOTO, Y OHSHIMA, M TAKAMI, K KUCHITSU
Ne	PF3	M	CPL	171	542	1990	KW HILLIG II, MS LABARGE, A TALEB-BENDIAB, RL KUCZOWSKI
Ne	C2H4	T	JCP	91	1079	1989	AR TILLER, AC PEET, DC CLARY
Ne	C2H4	mw	JCP	119	8448	2003	Y LU, W JAEGER
Ne	HCCH	IT	JCP	109	8968	1998	RJ BEMISH, L OUDEJANS, RE MILLER, R MOSZYNSKI, TGA HEIJMEN, T KORONA, PES WORMER, A VAN DER AVOIRD
Ne	HCCH	mw	PCCP	5	1774	2003	Y LIU, W JAEGER
Ne	CH	E	FDCS	97	351	1994	WH BASINGER, U SCHNUPF, MC HEAVEN
Ne	CH	E	JCP	103	7218	1995	WH BASINGER, WG LAWRENCE, MC HEAVEN
Ne	OH	E	COL		WH07	1993	BC CHANG, JM WILLIAMSON, JR DUNLAP, TA MILLLER
Ne	OH	E	COL	93	RE07	1993	BC CHANG, JM WILLIAMSON, TA MILLER
Ne	OH	E	JPC	94	1720	1990	Y LIN, SK KULKARNI, MC HEAVAN
Ne	OH	E	Col			1990	Y LIN, SK KULKARNI, MC HEAVEN
Ne	OH	T	JCP	94	7602	1991	ML DUBERNET, D FLOWER, JM HUTSON
Ne	OH	COL	ME5			1991	S FEI, X ZHENG, Y LIN, MC HEAVEN
Ne	OH	E	JCP	96	3476	1992	BC CHANG, DW CULLIN, JM WILLIAMSON, JR DUNLOP, BD REHFUSS, TA MILLER
Ne	OH	COL		92	RE08	1992	BC CHANG, JM WILLIAMSON, JR DUNLOP, TM CERNY, TA MILLER
Ne	OH	T	JCP	103	3400	1995	M YANG, MH ALEXANDER
Ne	OH	ED	JCP	103	3418	1995	CC CHUANG, PM ANDREWS, MI LESTER
Ne2	OH	E	COL	92	RE10	1992	JR DUNLOP, BC CHANG, JW WILLIAMSON, TM CERNY, TA MILLER
Ne1-4	OH	T	JCP	114	10278	'01	H-S LEE, AB McCOY
Ne	H2O+	I	JCP	114	7081	2001	O DOPFER, D ROTH, JP MAIER
Ne	SH	E	JCP	107	3437	1997	MC YANG, CC CARTER, TA MILLLER
Ne	SH	E	JCP	107	3447	1997	CC CARTER, TA MILLER
Ne	SH	E	JCP	110	5065	1999	CC CARTER, TA MILLER, H-S LEE, AB McCOY, EF HAYES
Ne	SH	mw	JCP	120	6935	2004	K SUMA, Y SUMIYOSHI, Y ENDO
Ne	CN	E	Col			1990	Y LIN, SK KULKARNI, MC HEAVEN

Ne	CN	E	COL	92	RE12	1992	S FEI, MC HEAVEN
Ne	CN	E	JCP	107	7163	1997	WG LAWRENCE, Y CHEN, MC HEAVEN
Ne	HCN		JCP	98	6801	1993	HS GUTOWSKY, JD KEEN, TC GERMANN, T EMILSSON, JD AUGSPURGER, CE DYKSTRA
Ne	HCN	T	JCP	114	764	2001	G MURDACHAEW, AJ MISQUITTA, R BUKOWSKI, K SZALEWICZ
Ne	HCN	T	JCP	114	851	2001	RR TOCZYLOWSKI, F SLAWOMIR, M CYBULSKI
Ne	C5H5	E	JCP	97	5273	1992	L YU, J WILLIAMSON, SC FOSTER, TA MILLER
Ne	CdCH3	E	COL	FB11		1991	AM ELLIS, ESJ ROBLES, TA MILLER
Ne	CO	I	MP	79	1113	1993	RW RANDALL, AJ CLIFFE, BJ HOWARD, ARW McKELLAR
Ne	CO	mw	JCP	106	7519	1997	KA WALKER, T OGATA, W JAEGER, MCL GERRY, I OZIER
Ne	CO	I	MP	93	253	1998	ARW McKELLAR, M-C CHAN
Ne	CO	mm	JMSp	192	243	1998	G WINNEWISSER, BS DUMESH, ..., FS RUSIN
Ne	CO	T	JCP	110	11734	'99	GC McBANE, SM CYBULSKI
Ne	CO	T	CPL	307	287	1999	V SUBRAMANIAN, K CHITRA, ..., S SANKAN
Ne	CO	mm	JMSp	230	149	2005	LA SURIN, VA POTAPOV, BS DUMESH, G WINNEWISSER
Ne	CS2	I				1993	TR DYKE, J CRUZAN, M WALSH
Ne	SO2	I				1993	TR DYKE, CA HWANG
Ne	C6H6	m	JCP	101	9736	1994	TH BRUPBACHER, J MAKAREWICZ, A BAUDER
Ne	C6H6	T	JCP	101	9747	1994	W KLOPPER, HP LUTHI, TH BRUPBACHER, A BAUDER
Ne	C6H6	mw	JCP	101	861	1994	E ARUNAN, T EMILSSON, HS GUTOWSKY
Ne	C6H6 H2O	mw	JCP	99	6208	1993	E ARUNAN, T EMILSSON, HS GUTOWSKY
Ne	C6H6 H2O	mw	JCP	101	861	1994	E ARUNAN, T EMILSSON, HS GUTOWSKY
Ne	CH4	T	CPL	227	483	1997	D GAO, L CHEN, Z LI, F-M TAO, Y-K PAN
Ne	CH4	I	CJP	79	423	2001	M WANGLER, DA ROTH, G WINNEWISSER, I PAK, ARW McKELLAR
Ne	CH4 CH4	mw				1994	J GRABOW, RD SUENRAM, FJ LOVAS
Ne	SiH4	I	JCP	104	5391	1996	MD BROOKES, DJ HUGHES, BJ HOWARD
Ne	SiH4	I	JCP	107	2738	1997	MD BROOKES, DJ HUGHES, BJ HOWARD
Ne	HCO+	I	JCP	105	1770	1996	SA NIZKORODOV, O DOPFER, M MEUWLY, JP MAIER
Ne	(CH2)3	mw	JCP	106	7968	1997	Y XU, W JAEGER {cyclopropane}
Ne	(CH2)3	T	JCP	115	8431	2001	TB PEDERSEN, B FERNANDEZ, H KOCH, J MAKAREWICZ {cyclopropane}
Ne	CH3CH2CH3	mw	JCP	127	184306	'07	KI PETERSON, D PULLMAN, W LIN, AJ MINEI, SE NOVICK {propane}
Ne	C6H4(CHCH2)F	E	JCP	108	1836	1998	NM LAKIN, G PIETRAPERZIA, M BECUCCI, E CASTELLIUCCI, M CORENO, A GIARDINI-GUIDONI, A VAN DER AVOIRD {4-fluorostyrene}
Ne	C6H5NH2	E	CPL	260	87	1996	M BECUCCI, G PIETRAPERZIA, NM LAKIN, E CASTELLUCCI, P BRECHIGNAC {aniline}
Ne	C6H5NH2	mw	CP	228	301	1998	D CONSALVO, V STORM, ..., H DREIZLER
Ne	C6H5NH2	mw	CP	237	395	1998	V STORM, H DREIZLER, ..., D CONSALVO
Ne	C6H5NH2 v pred	E	JCP	110	9961	1999	M BECUCCI, NM LAKIN, G PIETRAPERZIA, E CASTELLUCCI, Ph BRECHIGNAC, B COUTANT, P HERMINE
Ne	C6H5F	mw	JPCA	102	10630	'98	RJ WILSON, SA PEEBLES, S ANTOLINEZ, ME SANZ, RL KUCZKOWSKI
Ne	C6H5Cl	mw	JMSt	599	15	2001	J-J OH, I PARK, SA PEEBLES, RL KUCZKOWSKI
Ne	H2S	T	JCP	110	289	1999	G de OLIVEIRA, CE DYKSTRA
Ne	H2S	mw	MP	100	611	2002	Y LIU, W JAEGER
Ne	c-C5H5N	mw	CC		2625	1998	A MARIS, W CAMINATI, PG FAVERO {pyridine}
Ne	c-C5H5N	mw	JMSp			2008	B VELINO, W CAMINATI {pyridine}
Ne	c-(CHCH2)2O	mm	JCP	110	8976	1999	A MARIS, PG FAVERO, A DELL'ERBA, W CAMINATI {2,5-dihydrofuran}
Ne	c-(CH)3NCHN		CEJ	5	811	1999	W CAMINATI, PG FAVERO {pyrimidine}
Ne	c-(CH)4NN	mw	PCC	3		2000	W CAMINATI, S MELANDRI, A DELL'ERBA, PG FAVERO {pyridazine}
Ne	c-C4H7CN	mw				2010	WC PRINGLE, DJ FROHMAN, W NDUGIRE, SE NOVICK {cyanocyclobutane}
Ne	CH3(CHCH2O)	mw	PCCP	5	1359	2003	S BLANCO, S MELANDRI, A MARIS, W CAMINATI, B VELINO, Z KISIEL {propylene oxide}
Ne	Mg	T	JCP	110	8443	1999	AWK LEUNG, RR JULIAN, WH BRECKENRIDGE
Ne	Mg+	D	JCP	110	9948	1999	JE REDDIC, MA DUNCAN
Ne	CH2CF2	mw	JCP	112	2204	2000	A DELL'ERBA, S MELANDRI, A MILLEMAGGI, W CAMINATI, PG FAVERO
Ne	NH3	mw	JCP	115	6504	2001	J van WIJNGAARDEN, W JAEGER
Ne	C10H8	T	JCPA	105	10379	'01	E CLEMENTI, G CORONGIN(?) {napthalene}
Ne2	NH3	mw	CP	283	29	2002	J van WIJNGAARDEN, W JAEGER
Ne3	NH3	mw	JACS	125	14631	'03	J van WIJNGAARDEN, W JAEGER
Ne	C28H18	RCS	JCP	113	11109	'00	T FUJIWARA, Y FUJIMURA, O KAJIMOTO {9-9'-bianthryl}
Ne	CH3OCH3		JCP	118	1649	2003	A MARIS, W CAMINATI
Ne	CH3OCH3	Tmw	JCP	124	094301	'06	Y MORITA, N OHASHI, Y KAWASHIMA, E HIROTA
Ne	(CH3)2O		JCP	118	1649	2003	A MARIS, W CAMINATI
Ne	(CH3)2CO	mw	JMSp	330	228	2016	J GAO, NA SEIFERT, J THOMAS, Y XU, W JAEGER {acetone}
Ne	(CH3)2S	mw	JPCA	110	7080	2006	SA PEEBLES, RA PEEBLES, Y TATAMITANI, Y KAWASHIMA
Ne	HCCCN	mw				2005	A HUCKAUF, W JAEGER (unpublished)
Ne	HCCCN	T	JCP	122	174312	'05	Y ZHOU, D XIE
Ne	ThO	T	CP	399	50	2012	ER SAYFUTYARORA, AA BUCHACHENKO, M HAPKA, MM AZCZESNIAK, G CHALASINSKI
Ar	Ar2	T	JCP	103	3386	1995	A ERNESTI, JM HUTSON
Ar	Ar2	T	JCP	110	902	1999	NJ WRIGHT, JM HUTSON
Ar	Kr	mw	JCP	103	2827	1995	Y XU, W JAEGER, J DJAUHARI, MCL GERRY
Ar2	Kr	T	JCP	103	3386	1995	A ERNESTI, JM HUTSON
Ar	Xe	mw	JCP	99	919	1993	W JAEGER, Y XU, MCL GERRY
Ar2	Xe	T	JCP	103	3386	1995	A ERNESTI, JM HUTSON
Ar	Mg	T	JCP	91	1114	1989	DJ FUNK, WH BRECKINRIDGE, J SIMONS, G CHALASINSKI

Ar	Mg		E	JCP	104	7784	1996	S MASSICK, WH BREKENRIDGE
Ar	Hg		E	JCP	103	9589	1995	L KRIM, B SOEP, JP VISTICOT
Ar	Hg		E	JCP	104	7860	1996	SJ LAWRENCE, DN STACEY, IM BELL, K BURNETT
Ar	Hg		E	JCP	108	8110	1998	K AMANO, K OHMORI, T KUROSAWA, H CHIBA, M OKUNISHI, K UEDA, Y SATO, AZ DEVDARIANI, EE NIKITIN
Ar	Ag		E	JCP	103	9200	1995	LR BROCK, MA DUNCAN
Ar	Ni		E	CPL	298	222	1998	Y KAWAMOTO, K HONMA
Ar	B		ET	JCP	98	8484	1993	E HWANG, YLHUANG, PJ DAGDIGIAN, MH ALEXANDER
Ar	B		E	CPL	223	483	1995	E HWANG, PJ DAGDIGIAN
Ar	B		ET	JCP	106	6320	1997	MM ALEXANDER, AR WALTON, M YANG, X YANG, E HWANG, PJ DAGDIGIAN
Ar2	B		ET	JCP	106	6320	1997	MM ALEXANDER, AR WALTON, M YANG, X YANG, E HWANG, PJ DAGDIGIAN
Ar	HF			JCP	60	3208	1974	SJ HARRIS, SE NOVICK, W KLEMPERER
Ar	DF			JCP	74	2133	1981	MR KEENAN, LW BUXTON, EJ CAMPBELL, AC LEGON, WH FLYGARE
Ar	HF			JCP	74	6539	1981	TA DIXON, CH JOYNER, FA BAIOCCHI, W KLEMPERER
Ar	HF	Zeeman		PRL	49	1146	1983	WG READ, EJ CAMPBELL
Ar	DF	Zeeman		JCP	78	6490	1983	EJ CAMPBELL, WG READ
Ar	HF			JCP	88	5142	1984	BL COUSINS, SC OBRIEN, JM LISY
Ar	HF		I	JCP	85	4890	1986	CM LOVEJOY, MD SCHUDER, DJ NESBITT
Ar	HF		I	JCP	85	2502	1986	GT FRASER, AS PINE
Ar	HF		I	JCP	85	6905	1986	ZS HUANG, KW JUCKS, RE MILLER
Ar	HF		T	MP	45	791	1982	JM HUTSON, BJ HOWARD
Ar	HF		I	JCP	91	2790	1989	CM LOVEJOY, DJ NESBITT
Ar	HF		T	JCP	96	6752	1992	JM HUTSON
Ar	HF		I	JCP	97	7967	1992	JT FARRELL Jr, O SNEH, A MCLLROY, AEW KNIGHT, DJ NESBITT
Ar	HF		T	JCP	97	8009	1992	CM LOVEJOY, JM HUTSON, DJ NESBITT
Ar	HF		nearI	JCP	98	2497	1993	HC CHANG, W KLEMPERER
Ar	HF	constants	JCP	98	4307		1993	PA STOCKMAN, GA BLAKE
Ar	HF	nearI&T	JCP	99	9337		1993	HC CHANG, FM TAO, W KLEMPERER, C HEALY, JM HUTSON
Ar	HF	vib freq shifts	MP	81	1225		1994	SAC MCDOWELL, MG TREFRY, AD BUCKINGHAM
Ar	HF		I	CPL	226	317	1994	PA BLOCK, RE MILLER
Ar	HF		T	JCP	101	1129	1994	FM TAO, W KLEMPERER
Ar	DF		I	JCP	103	2395	1995	JT FARRELL Jr, S DAVIS, DJ NESBITT
Ar	HF		T	JCP	103	6076	1995	VF LOTRICH, HL WILLIAMS, K SZALEWICZ, B JEZIORSKI, R MOSZYNSKI, PES WORMER, A VAN DER AVOIRD
Ar	DF	vib prediss	I	CPL	246	157	1996	S DAVIS, JT FARRELL Jr, DT ANDERSON, DJ NESBITT
Ar	DF	optothermal	I	JCP	105	104101	1996	L OUDEJANS, K NAUTA, RE MILLER
Ar	HF	lifetimes	I	JCP	109	8836	1998	C-C CHUANG, SN TSANG, W KLEMPERER, H-C CHANG
Ar	HF	v(HF)=3	I	JCP	112	7022	2000	C-C CHUANG, KJ HIGGENS, HC FU, W KLEMPERER
Ar	HF		T	JCP	113	2957	2000	M JEZIORSKA, P JANKOWSKI, K SZALEWICZ, B JEZIORSKI
Ar	HF	vib pre	T	JCP	111	2470	1999	AA BUCHACHENKO, NF STEPANOV, BL GRIGORENKO, AV NEMUKHIN
Ar	HF	in He	I	JCP	115	4508	2001	K NAUTA, RE MILLER
Ar2	HF			JCP	83	4817	1985	HS GUTOWSKY, TD KLOTS, C CHUANG, CA SCHMUTTENMAER, T EMILSSON
Ar2	HF			JCP	86	569	1987	HS GUTOWSKY, TD KLOTS, C CHUANG, CA SCHMUTTENMAER, T EMILSSON
Ar2	HF			JCP	91	63	1989	TD KLOTS, HS GUTOWSKY
Ar2	DF			JCP	91	63	1989	TD KLOTS, HS GUTOWSKY
Ar2	HF		T	JCP	101	107081	1995	SM CYBULSKI, MM SZCZESNIAK, G CHALASINSKI
Ar2	DF		I	JCP	103	2395	1995	JT FARRELL Jr, S DAVIS, DJ NESBITT
Ar2	HF		I	JCP	105	9421	1996	JT FARRELL, DJ NESBITT
Ar2	HF		T	JCP	106	6288	1997	A ERNESTI, JM HUTSON
Ar2	HF		E	JCP	107	7041	1997	C-C CHUANG, SN TSANG, JG HANSON, W KLEMPERER, H-C CHANG
Ar2	HF		T	JCP	108	4725	1998	VF LOTRICH, P JANKOWSKI, K SZALEWICZ
Ar2	HF	dipole	mw	CPL	333	381	2001	Z KISIEL, BA PIETREWICZ, L PSZCZOLKOWSKI
Ar3	HF			JACS	107	7174	1985	HS GUTOWSKY, TD KLOTS, C CHUANG, JD KEEN, CA SCHMUTTENMAER, T EMILSSON
Ar3	HF			JACS	109	5633	1987	HS GUTOWSKY, TD KLOTS, C CHUANG, JD KEEN, CA SCHMUTTENMAER, T EMILSSON
Ar3	DF		I	JCP	103	2395	1995	JT FARRELL Jr, S DAVIS, DJ NESBITT
Ar3	HF		ID	JCP	109	484	1998	C-C CHUANG, SN TSANG, W KLEMPERER, H-C CHANG
Ar3	HF	dipole	mw	CPL	333	381	2001	Z KISIEL, BA PIETREWICZ, L PSZCZOLKOWSKI
Ar4	HF			JCP	88	2919	1988	HS GUTOWSKY, C CHUANG, TD KLOTS, T EMILSSON, RS RUOFF, KR KRAUSE
Ar n	HF		I	Col			1990	A MCILROY, R LASCOLA, CM LOVEJOY, DJ NESBITT
Ar n	HF		T	JCP	100	7166	1994	S LIU, Z BACIC, JW MOSKOWITZ, KE SCHMIDT
Ar n	HF		T	JCP	103	1829	1995	S LIU, Z BACIC, JW MOSKOWITZ, KE SCHMIDT
Ar n	HF		D	JCP	103	9228	1995	T SCHRODER, R SCHINKE, S LIU, Z BACIC, JW MOSKOWITZ
Ar n	HF		T	JCP	104	5510	1996	BL GRIGORENKO, AV NEMUKHIN, VA APKARIAN
Ar n	HF		T	JCP	108	6619	1998	CE DYKSTRA
Ar n	HF		T	JCP	111	8378	1999	JM HUTSON, S LIU, JW MOSKOWITZ, Z BACIC
Ar n	HF	red shift	T	JCP	114	4533	2001	E CUROTTO
Ar	HCl			JCP	59	2273	1973	SE NOVICK, P DAVIES, SJ HARRIS, W KLEMPERER
Ar	HCl			JCP	65	1114	1976	SE NOVICK, KC JANDA, SL HOLMGREN, M WALDMAN, W KLEMPERER
Ar	HCl		I	JCP	66	1826	1977	EW BOOM, D FRENKEL, J VAN DER ELSKEN
Ar	HCl		T	JCP	74	6520	1981	JM HUTSON, BJ HOWARD
Ar	HCl	Zeeman		JCP	78	6490	1983	EJ CAMPBELL, WG READ
Ar	HCl		I	JCP	84	1171	1986	D RAY, RL ROBINSON, D GWO, RJ SAYKALLY

Ar	HCl	I	JCP	89	1268	1988	KL BUSAROW, GA BLAKE, KB LAUGHLIN, RC COHEN, YT LEE, RJ SAYKALLY
Ar	HCl	I	CPL		122 1	1985	BJ HOWARD, AS PINE
Ar	HCl	I	JCP	83	4924	1985	MD MARSHALL, A CHARO, HO LEUNG, W KLEMPERER
Ar	HCl	T	MP	41	1123	1980	JM HUTSON, BJ HOWARD
Ar	HCl	T	MP	43	493	1981	JM HUTSON, BJ HOWARD
Ar	HCl	T	MP	45	769	1982	JM HUTSON, BJ HOWARD
Ar	HCl	T	JCP	78	4025	1983	CJ ASHTON, MS CHILD, JM HUTSON
Ar	HCl	T	JCP	81	2357	1984	JM HUTSON
Ar	HCl	T	FT2	82	1163	1986	JM HUTSON
Ar	HCl	T	JCP	89	4550	1988	JM HUTSON
Ar	HCl	T	MP	100	151	2002	JM HUTSON, BJ HOWARD
Ar	HCl	T	JCP	80	4630	1984	LS BERNSTEIN, J WORMHOUDT
Ar	HCl	I	CPL	146	582	1988	CM LOVEJOY, DJ NESBITT
Ar	HCl	I	CPL	149	122	1988	CM LOVEJOY, DJ NESBITT
Ar	HCl	I	FDCS	86	13	1988	DJ NESBIT, CM LOVEJOY
Ar	HCl		JCP	94	86	1991	C CHUANG, HS GUTOWSKY
Ar	DCl	I	JCP	94	5796	1991	MD SCHUDER, DD NELSON Jr, DJ NESBITT
Ar	HCl	T	JCP	94	6677	1991	G CHALASINSKI, MM SZCZESNIAK, B KUKAWSKI-TARNAWSKA
Ar	DCl	I	JMSp	152	252	1992	SW REEVE, MA DVORAK, WA BURNS, A GRUSHOW, KR LEOPOLD
Ar	HCl vib excited		CPL	198	347	1992	JW BEVAN, AC LEGON, CA REGO, J ROACH
Ar	HCl vib excited		CPL	204	551	1993	JW BEVAN, AC LEGON, CA REGO
Ar	HCl dipole far I		JCP	99	3200	1993	AL COOKSY, MJ ELROD, RJ SAYKALLY, W KLEMPERER
Ar	HCl	T	JCP	100	4188	1994	HW JANG, SE CHOI, JC LIGHT
Ar	DCl		MP	79	245	1993	MJ ELROD, BC HOST, DW STEYERT, RJ SAYKALLY
Ar	HCl	T	JCP	103	1498	1995	R BURCL, G CHALASINSKI, R BUKOWSKI, MM SZCZESNIAK
Ar	HCl optothermal	I	JCP	105	10410	1996	L OUDEJANS, K NAUTA, RE MILLER
Ar	HCl	D	JCP	108	5755	1998	A GARCIA-VELA
Ar	HCl	mw	CPL	291	190	1998	Z KISIEL, L PSZCZOLKOWSKI {36Ar & improved const. for 40Ar}
Ar	HCl	T	JCP	109	2233	1998	DE WOON, KA PETERSON, TH DUNNING Jr
Ar	HCl photodiss	T	JCP	111	2606	1999	JC JUANES-MARCOS, A GARCIA-VELA
Ar	HCl	T	JCP	115	8899	2001	JM GEREMIA, H RABITZ
Ar	HCl	E	JPCA	106	236	2002	JC JUANES-MARCOS, A GARCIA-VELA
Ar2	HCl		JCP	86	5315	1987	TD KLOTS, C CHUANG, RS RUOFF, T EMILSSON, HS GUTOWSKY
Ar2	DCl		JCP	91	63	1989	TD KLOTS, HS GUTOWSKY
Ar2	HCl		JCP	91	63	1989	TD KLOTS, HS GUTOWSKY
Ar2	HCl	I	JCP	94	58	1991	MJ ELROD, DW STEYERT, RJ SAYKALLY
Ar2	HCl	I	JCP	95	3182	1991	MJ ELROD, DW STEYERT, RJ SAYKALLY
Ar2	HCl	T	JCP	98	5337	1993	AR COOPER, JM HUTSON
Ar2	HCl	I	JCP	98	5352	1993	MJ ELROD, JG LOESER, RJ SAYKALLY
Ar2	HCl	I	COL	93	TD06	1993	MJ ELROD, DW STEYERT, JG LOESER, RJ SAYKALLY, AR COOPER, JM HUTSON
Ar2	HCl	T	JCP	101	10708	1995	SM CYBULSKI, MM SZCZESNIAK, G CHALASINSKI
Ar2	HCl	T	JCP	106	6288	1997	A ERNESTI, JM HUTSON
Ar2	HCl dipole	mw	CPL	333	381	2001	Z KISIEL, BA PIETREWICZ, L PSZCZOLKOWSKI
Ar3	HCl		JCP	87	4383	1987	TD KLOTS, RS RUOFF, C CHUANG, T EMILSSON, HS GUTOWSKY
Ar3	DCl		JCP	91	63	1989	TD KLOTS, HS GUTOWSKY
Ar3	HCl dipole	mw	CPL	333	381	2001	Z KISIEL, BA PIETREWICZ, L PSZCZOLKOWSKI
Ar n	HCl n=1,2,3	I	JCP	107	1115	1997	DT ANDERSON, S DAVIS, DJ NESBITT
Ar	HBr		MP	39	817	1980	KC JACKSON, PRR LANGRIDGE-SMITH, BJ HOWARD
Ar	HBr		JCP	72	3070	1980	MR KEENAN,EJ CAMPBELL,TJ BALLE, LW BUXTON, TK MINTON, PD SOPER, WH FLYGARE
Ar	HBr		JCP	79	1669	1983	WG READ, EJ CAMPBELL
Ar	HBr	T	JCP	91	4455	1989	JM HUTSON
Ar	HBr	I	CPL	168	161	1990	DW FIRTH, MA DVORAK, SW REEVE, RS FORD, KR LEOPOLD
Ar	HBr		COL	TE2		1991	SW REEVE, MA DVORAK, KR LEOPOLD, DW FIRTH
Ar	HBr	I	CPL	265	209	1997	J HAN, AL MCINTOSH, Z WANG, RR LUCCHESE, JW BEVAN
Ar	HBr	T	JCP	115	899	2001	J CASTILLO-CARA, RR LUCCHESE, JW BEVAN
Ar	HBr	mm	JCP	119	10687	'03	BA McELMURRY, RR LUCCHESE, JW BEVAN, II LEONOV, SP BELOV, AC LEGON
Ar2	HBr dipole	mw	CPL	333	381	2001	Z KISIEL, BA PIETREWICZ, L PSZCZOLKOWSKI
Ar2	HBr	mw	JCP	117	8248	2002	Z KISIEL, BA PIETREWICZ, L PSZCZOLKOWSKI
Ar	HI	mwI	JCP	111	5764	1999	A MCINTOSH, Z WANG, J CASTILLO-CHARA, RR LUCCHESE, JW BEVAN, RD SUENRAM, AC LEGON
Ar	HI	T	JCP	120	6471	2004	R PROSMITI, S LOPEZ-LOPEZ, A GARCIA-VELA
Ar	HI	mm	PCCP	6	5318	2004	BA McELMURRY, RR LUCCHESE, JW BEVAN, SP BELOV
Ar	C2	T	JCP	107	1185	1997	FY NAUMKIN, FRW MCCOURT
Ar	BF3		JACS	100	8074	1978	KC JANDA, LS BERNSTEIN, JM STEED, SE NOVICK, W KLEMPERER
Ar	BF3	IM	JCP	90	7017	1989	Y MATSUMOTO, Y OHSHIMA, M TAKAMI, K KUCHITSU
Ar	HCCH rf Stark		JCP	72	6020	1980	RL DELEON, JS MUENTER
Ar	HCCH	mw	CPL	161	202	1989	Y OHSHIMA, M IIDA, Y ENDO
Ar	HCCH	I	JMSp	153	486	1992	TA HU, DG PRICHARD,LH SUN, JS MUENTER, BJ HOWARD
Ar	HCCH	T	JPC	95	3519	1991	CR LE SUEYR, AJ STONE, PW FOWLER
Ar	HCCH	I	JMSp	153	486	1992	TA HU, DG PRICHARD, LH SUN, JS MUENTER, BJ HOWARD
Ar	HCCH	pot T	CPL		1981	1992	AE THORNLEY, JM HUTSON
Ar	HCCH	I	JCP	99	8385	1993	Y OHSHIMA, Y MATSUMOTO, M TAKAMI, K KUCHITSU
Ar	HCCH	E	JCP	103	2850	1995	SS JU, PY CHENG, MY HAHN, HL DAI

Ar	HCCH	T	JPC	98	3126	1994	RGA BONE
Ar	HCCH	T	JCP	101	8784	1994	M YANG, RO WATTS
Ar	HCCH	T	JCP	102	7289	1995	FM TAO, S DRUCKER, W KLEMPERER
Ar	HCCH	IE	CPL	250	95	1996	AP MILCE, DE HEARD, RE MILLER, BJ ORR
Ar	HCCH	T	JCP	95	104621996		M YANG, MH ALEXANDER, H-J WERNER, RJ BEMISH
Ar	HCCH	T	JMSt	436	387	1998	RD HASSE, MW SEVERSON, MM SZCZESNIAK, G CHALASINSKI, P CIEPLAK, et al
Ar	DCCH	I	CPL	281	272	1997	RJ BEMISH, RE MILLER
Ar	HCCH	mw	JMSp	205	177	2001	Y LIU, W JAEGER
Ar	HCCCCH	I	JCP	105	101711996		RJ BEMISH, RE MILLER, X YANG, G SCOLES
Ar	HCCCCH	mw	JMSp	185	178	1997	K MATSUMURA, Y OHSHIMA, Y ENDO
Ar	C2H4	IT	JCP	98	3754	1993	PA BLOCK, LG PETERSEN, RE MILLER
Ar	C2H4	mw	JCP	119	8448	2003	Y LU, W JAEGER
Ar	HCN		JCP	81	4922	1984	KR LEOPOLD, GT FRASER, FJ LIN, DD NELSON JR, W KLEMPERER
Ar	HCN		JCP	90	30	1989	TD KLOTS, CE DYKSTRA, HS GUTOWSKY
Ar	HCN	I	JCP	91	3319	1989	GT FRASER, AS PINE
Ar	HCN		CPL	161	308	1989	RE BUMGARNER, GA BLAKE
Ar	HCN	T	JCP	93	7666	1990	DC CLARY, CE DATEO,T STOECKLIN
Ar	HCN		COL		RA5	1991	D YARRON, W KLEMPERER
Ar	HCN		COL		FA3	1991	TC GERMANN, T EMILSSON, HS GUTOWSKI
Ar	HCN		JCP	95	3017	1991	AL COOKSY, S DRUCKER, J FAEDER, CA GOTTLIEB, W KLEMPERER
Ar	HCN		JCP	98	5158	1993	S DRUCKER, AL COOKSY, W KLEMPERER
Ar	HCN ex vib	mw	JCP	493	103	1995	E ARUNAN, T EMILSSON, HS GUTOWSKY
Ar	HCN	T	JCP	102	7289	1994	FM TAO, S DRUCKER, W KLEMPERER
Ar	DCN	mm	JMSp	185	189	1997	M SHIRASAKA, K TANAKA
Ar	HCN	mm	JCP	104	9747	1996	K UEMURA, A HARA, K TANAKA
Ar	HCN	T	CPL	297	458	1998	AJC VARANDAS, SPJ RODRIGUES, ..., PAJ GOMES
Ar	HCN	T	JCP	110	1416	1999	SM CYBULSKI, J COUVILLION, J KLOS, G CHALASINSKI
Ar	DCN	mm	JCP	113	1524	2000	K TANAKA, S BAILLEUX, A MIZOGUCHI, K HARADA, T BABA, I OGAWA, M SHIRASAKA
Ar	HCN	mm	JMSp			2003	A MIZOGUCHI, K HARADA, M SHIRASAKA, K TANAKA
Ar	HCN	T	JCP	114	851	2001	RR TOCZYLOWSKI, F SLAWOMIR, M CYBULSKI
Ar	(HCN)2		JCP	88	1557	1988	RS RUOFF, TI EMILSSON, TD KLOTS, C CHAUNG, HS GUTOWSKY
Ar2	HCN	M	JCP	93	6216	1990	HS GUTOWSKY, TD KLOTS, CE DYKSTRA
Ar3	HCN	mwT	JCP	103	3917	1995	HS GUTOWSKY, E ARUNAN, T EMILSSON, SL TSCHOPP, CE DYKSTRA
Ar	NH3	#	JCP	82	2535	1985	GT FRASER, DD NELSON JR, A CHARO, W KLEMPERER
Ar	NH3		JCP	85	5512	1986	DD NELSON JR, GT FRASER, KI PETERSON, K ZHAO, W KLEMPERER, FJ LOVAS, RD SUENRAM
Ar	NH3	I	JCP	95	9	1991	CA SCHMUTTENMAER, RC COHEN, JG LOESER, RJ SAYKALLY
Ar	NH3		MP	71	453	1990	DH GWO, M HAVENITH, KL BUSAROW, CA SCHMUTTENMAER, YT LEE, RJ SAYKALLY
Ar	NH3	I	JCP	94	7061	1991	GT FRASER, AS PINE, WA KREINER
Ar	NH3	T	JCP	94	491	1991	M BULSKI,PES WORMER,A VAN DER AVOIRD
Ar	NH3	T	JCP	94	501	1991	JWI VAN BLADEL, A VAN DER AVOIRD, PES WORMER
Ar	NH3		CP	151	407	1991	E ZWART, WL MEERTS
Ar	NH3 mm & mw		JCP	95	793	1991	E ZWART, H LINNARTZ, WL MEERTS, GT FRASER, DD NELSON JR, W KLEMPERER
Ar	NH3 umb vib		CP	164	47	1992	JWI VANBLADEL, A VANDERAVOIRD, PES WORMER
Ar	NH3 far I		JCP	100	2413	1994	A GRUSHOW, WA BURNS, SW REEVE, MA DVORAK, KR LEOPOLD
Ar	NH3 far I		JCP	101	139	1994	CA SCHMUTTENMAER, JG LOESER, RJ SAYKALLY
Ar	NH3	T	JCP	101	146	1994	CA SCHMUTTENMAER, RC COHEN, RJ SAYKALLY
Ar	NH3	T	JCP	101	1129	1994	FM TAO, W KLEMPERER
Ar	NH3	I	COL	TL04		1995	S XU, SW SHARPE, GT FRASER
Ar	ND3	T	JCP	106	9141	1997	J MILLAN, N HALBERSTADT, G VAN DER SANDEN, A VAN DER AVOIRD
Ar	ND3	mw	JCP	114	3968	2001	J van WIJNGAARDEN, W JAEGER
Ar2	NH3	mw	PCCP	4	4883	2002	J van WIJNGAARDEN, W JAEGER
Ar3	NH3	mw	JCP	116	2379	2002	J van WIJNGAARDEN, W JAEGER
Ar	NH2+	I	JPCA	102	10017	'98	O DOPFER, SA NIZKORO, ..., K HARADA
Ar	HN2+	I	JCP	107	8706	1997	T SPECK, H LINNARTZ, JP MAIER
Ar	ClCN		JCP	75	631	1981	MR KEENAN, DB WOZNIAK, WH FLYGARE
Ar	ClF		JCP	61	193	1974	SJ HARRIS, SE NOVICK, W KLEMPERER, WE FALCONER
Ar	ClF	T	JCP	97	440	1992	FM TAO, W KLEMPERER
Ar	ClF	T	JCP	99	3700	1993	J SADLEJ, G CHALASINSKI, MM SZCZESNIAK
Ar	ClF	T	CP	213	33	1996	FY NAUMKIN
Ar	OCS		JCP	63	881	1975	SJ HARRIS, KC JANDA, SE NOVICK, W KLEMPERER
Ar	OCS		JCP	79	2559	1983	JA SHEA, WG READ, EJ CAMPBELL
Ar	OCS	I	CPL	118	12	1985	GD HAYMAN, J HODGE, BJ HOWARD, JS MUENTER, TR DYKE
Ar	OCS		JCP	87	2010	1987	FJ LOVAS, RD SUENRAM
Ar	OCS	I	JMSp	133	423	1989	GD HAYMAN, J HODGE, BJ HOWARD, JS MUENTER, TR DYKE
Ar	OCS		COL		FA7	1991	L NEMES, SL MARUCA, AM ANDREWS, KW HILLIG II, RL KUCZKOWSKI
Ar	OCS		JMSp	151	206	1992	Y XU, W JAEGER, MCL GERRY
Ar	OCS dipole		JMSp	160	422	1993	AM ANDREWS, L NEMES, SL MARUCA, KW HILLIG II, RL KUCZOWSKI, JS MUENTER
Ar2	OCS		JCP	98	2735	1993	Y XU, MCL GERRY, JP CONNELLY, BJ HOWARD
Ar2	OCS dipole		CP	249	41	1999	D CONSALVO, J GRIPP
Ar	F2CO		JCP	79	4724	1983	JA SHEA, EJ CAMPBELL
Ar	(CH)4O		JCP	77	5242	1982	SG KUKOLICH, JA SHEA

Ar	(CH)4O		JACS	105	2207	1983	SG KUKOLICH
Ar	(CH)4O dipole		JPC	94	4453	1990	JJ OH, KW HILLIG II, RL KUCZKOWSKI, RK BOHN {furan}
Ar	(CH)4O	m	JMST	351	7	1995	RM SPYCHER, L HAUSHERR-PRIMO, G GRASSI, A BAUDER
Ar2	(CH)4O		CPL	191	102	1992	RM SPYCHER, PM KING, A BAUDER
Ar2	(CH)4O	m	JMST	351	7	1995	RM SPYCHER, L HAUSHERR-PRIMO, G GRASSI, A BAUDER
Ar	c-(CH)4S	mw	ZNAT	48	1107	1993	U KRETSCHMER, W STAHL, H DREIZLER
Ar	c-(CH2)4S	mw	PCCP	1	239	1999	ME SANZ, JC LOPEZ, JL ALONSO, S MELANDRI, W CAMINATI, PG FAVERO {tetrahydrothiophene}
Ar	(CH2CHCHCH2)O	mw	CP	218	267	1997	JL ALONSO, FJ LORENZO, JC LOPEZ, A LESARRI, S MATA, H DREIZLER
Ar	c-(C6H10)O	mw	JPCA	117	13691	2013	DJ FROHMAN, SE NOVICK, WC PRINGLE {cyclohexene oxide}
Ar	c-(CHCH2)2O	mm	MP	91	663	1997	W CAMINATI, PG FAVERO, S MELANDRI, J MAKAREWICZ {2,5-dihydrofuran}
Ar	c-CHCHCH2CH2O	mm	JCP	107	5714	1997	A MARIS, S MELANDRI, W CAMINATI, PG FAVERO,J MAKAREWICZ {2,3-dihydrofuran}
Ar	c-C4H8O	mw	CP	239	229	1998	S MELANDRI, JC LOPEZ, PG FAVERO, W CAMINATI, JL ALONSO {tetrahydrofuran}
Ar	c-CH2OCH2OCH2	mw	JMSp	196	338	1999	G MACCAFERRI, H DREIZLER, W CAMINATI {1,3-dioxolane}
Ar	c-(CH)4NH		JPC	94	4453	1990	JJ OH, KW HILLIG II, RL KUCZKOWSKI, RK BOHN {pyrrole}
Ar	c-(CH)4NH dipole		JPC	93	3456	1989	RK BOHN, KW HILLIG II, RL KUCZKOWSKI {pyrrole}
Ar	c-C4H4N2	mm	JPC	101	9272	1997	W CAMINATI, A MILLEAGGI, PG FAVERO, J MAKAREWICZ {pyridazine}
Ar	c-C3H3NNH	mw	CP	239	223	1998	W CAMINATI, PG FAVERO, B VELINO {pyrazole}
Ar	c-(CH)4NCH3	mw	MP	95	1021	1998	S HUBER, J MAKAREWICZ, ..., A BAUDER {N-methylpyrrole}
Ar	c-(CH)5N	m				1994	D PETITPREZ, F BETTENS, A BAUDER {pyridine}
Ar2	c-(CH)5N	m				1994	D PETITPREZ, A BAUDER {pyridine}
Ar	c-(CH)3NCHN	mm	CPL	268	393	1997	W CAMINATI, PG FAVERO, S MELANDRI, R MEYER {pyrimidine}
Ar	c-(CH)4NCH3					1994	SR HUBER, A BAUDER {methylpyrrole}
Ar	c-C4H7CN	mw				2012	WC PRINGLE, DJ FROHMAN, W NDUGIRE, SE NOVICK {cyanocyclobutane}
Ar	CH3(CHCH2O)	mw	PCCP	5	1359	2003	S BLANCO, S MELANDRI, A MARIS, W CAMINATI, B VELINO, Z KISIEL {propylene oxide}
Ar	CH3Cl	#	JCP	71	4189	1979	JM STEED, LS BERNSTEIN, TA DIXON, KC JANDA, W KLEMPERER
Ar	CH3Cl		JCP	75	1113	1981	RL DELEON, JS MUENTER
Ar	CH3Cl		JCP	86	3107	1987	GT FRASER, RD SUENRAM, FJ LOVAS
Ar	NO	T	JPC	90	3331	1986	PDA MILLS, CM WESTERN, BJ HOWARD
Ar	NO	m	JPC	90	4961	1986	PDA MILLS, CM WESTERN, BJ HOWARD
Ar	NO	D	JCP	85	1418	1986	K SATO, Y ACHIBA, H NAKAMURA, K KIMURA
Ar	NO	PE	JCP	96	2594	1992	M TAKAHASHI
Ar	NO	T	JPC	98	1073	1994	T SCHMELZ, P ROSUMS, MH ALEXANDER
Ar	NO	E	JCP	108	9313	1998	N SHAFIZADEH, Ph BRECHIGNAC, M DYNDGAARD, JH FILLION, D GAUYACQ, B LEVY, JC MILLER, T PINO, M RAOULT
Ar	NO	RTPI	JCP	109	4361	1998	P MACK, JM DYKE, DM SMITH, TG WRIGHT, H MEYER
Ar	NO	T	JCP	111	7435	1999	MH ALEXANDER
Ar	NO	I	CPL	318	522	2000	Y KIM, K PATTON, J FLENIKEN, H MEYER
Ar	NO+	T	JCP	105	7579	1995	TG WRIGHT
Ar	N2O		JCP	75	5285	1981	CH JOYNER, TA DIXON, FA BAIOCCHI, W KLEMPERER
Ar	N2O	I	FT2	82	1137	1986	J HODGE, GD HAYMAN, TR DYKE, BJ HOWARD
Ar	N2O	I	JCP	98	6162	1993	TA HU, EL CHAPPELL, SW SHARPE
Ar	N2O	mw	JMSp	184	106	1997	HO LEUNG, D GANGWANI, J-U GRABOW
Ar	N2O	mw	JMSp	192	452	1998	MS NGARI, W JAEGER
Ar	N2O	I	JMSt	599	117	2001	G GIMMLER, M HAVENITH
Ar2	N2O	mw	JCP	111	3919	1999	MS NGARI, W JAEGER
Ar	Ne N2O	mw	MP	99	13	2001	MS NGARI, Y XU, W JAEGER
Ar	NO2	mw	CPL	222	443	1994	RJ LOW, CJ WHITHAM, TD VARBERG, BJ HOWARD
Ar	NO2	mw I	JCP	105	6756	1996	RJ LOW, MD BROOKS, CJ WHITHAM, BJ HOWARD
Ar	N2		CPL	196	274	1992	W JAEGER, MCL GERRY
Ar	N2 dip surf	T	JCP	113	98	2000	F WANG, FRW McCOURT, RJ LE ROY
Ar	N2	T	MP	90	875	1997	FY NAUMKIN
Ar	N2	T	JCP	110	8525	1999	B FERNANDEZ, H KOCH, J MAKAREWICZ
Ar	O2	T	JCP	79	1170	1983	A VAN DER AVOIRD
Ar	O2		CP	92	9	1985	J METTES, B HEYMEN, P VERHOEVE, J REUSS, DC LAINE, G BROCKS
Ar	O3		JCP	71	4487	1979	RL DELEON, KM MACK, JS MUENTER
Ar	O3		FDCS	73	63	1982	JS MUENTER, RL DELEON, A YOKOZEKI
Ar	SO3		JCP	73	137	1980	KH BOWEN, KR LEOPOLD, KV CHANCE, W KLEMPERER
Ar	SO3 (33^S)	mw	JMSp	191	398	1998	DL FIACCO, B KIRCHNER, WA BURNS, KR LEOPOLD
Ar	SO3 HCN	mw	MP			2006	CS BRAUER, MB CRADDOCK, KJ HIGGINS, KR LEOPOLD
Ar	SO2		JCP	73	2044	1980	RL DELEON, A YOKOZEKI, JS MUENTER
Ar	SO2		FDCS	73	63	1982	JS MUENTER, RL DELEON, A YOKOZEKI
Ar	SO2		JMSp	147	46	1991	LH COURDERT, K MATSUMURA, FJ LOVAS
Ar	SO2	I	JMSp	151	334	1992	AK LEWIN, MA WALSH, TR DYKE
Ar	SO2	Tmw	JMSt	599	57	2001	M SCHAFER
Ar	CO	I	JMSp	153	475	1992	ARW McKELLAR, YP ZENG, SW SHARPE, C WITTIG, RA BEAUDET
Ar	CO	mw	JCP	98	9399	1993	T OGATA, W JAEGER, I OZIER, MCL GERRY
Ar	CO	I	COL	93	TD05	1993	S CIVIS, ARW McKELLAR
Ar	CO	T	JCP	101	1006	1994	V CASTELLS, N HALBERSTADT, SK SHIN, RA BEAUDET, C WITTIG
Ar	CO	mw-mm	JCP	102	3587	1995	W JAEGER, MCL GERRY
Ar	CO	mm	JMSp	176	58	1996	M HEPP, W JAEGER, I PAK, G WINNEWISSER
Ar	CO	I	MP	86	1233	1995	S KOENIG, G HILPERT, M HAVENITH
Ar	CO	T	JCP	104	183	1996	S SHIN, SK SHIN, F-M TAO

Ar	CO		T	JCP	105	89	1996	G JANSEN
Ar	CO		I	MP	88	859	1996	Y XU, ARW McKELLAR
Ar	CO		mm	JMSp	183	295	1997	M HEPP, R GENDRIESCH, I PAK, F LEWEN, G WINNEWISSER
Ar	CO		mm	MP	92	229	1997	M HEPP, R GENDRIESCH, I PAK, YA KURITSYN
Ar	CO	mwmm		RSI	69	4061	1998	VN MARKOV, Y XU, W JAEGER
Ar	CO		mm	JMSp	196	139	1999	R GENDRIESCH, I PAK, F LEWEN, L SURIN, DA ROTH, G WINNEWISSER
Ar	CO		T	JCP	112	4604	2000	RR TOCZYLOWSKI, SM CYBULSKI
Ar	CO		I	MP	98	111	2000	ARW McKELLAR
Ar	CO		I	MP	20	1423	2003	I SCHEELE, M HAVENITH
Ar	CO2			JCP	70	4095	1979	JM STEED, TA DIXON, W KLEMPERER
Ar	CO2			JCP	75	5977	1981	JM STEED, TA DIXON, W KLEMPERER
Ar	CO2			JCP	88	6157	1988	GT FRASER, AS PINE, RD SUENRAM
Ar	CO2		I	JCP	89	100	1988	AS PINE, GT FRASER
Ar	CO2		I	JCP	94	233	1991	SW SHARP, D REIFSCHNEIDER, C WITTIG, RA BEAUDET
Ar	CO2		ID	JCP	97	4890	1992	EJ BOHAC, MD MARSHALL, RE MILLER
Ar	CO2		T	JCP	97	4901	1992	EJ BOHAC, MD MARSHALL, RE MILLER
Ar	CO2 (^{17}O, etc)		mw	JCSFT	92	901	1996	H MADER, N HEINEKING, W STAHL, W JAEGER, Y XU
Ar	CO2		T	JCP	104	2156	1996	CF ROCHE, A ERNESTI, JM HUTSON, AS DICKINSON
Ar	CO2		T	JCP	104	6569	1996	PJ MARSHALL,MM SZCZESNIAK,J SADLEJ,G CHALASINSKI, MA ter HORST, CJ JAMESON
Ar	CO2		T	JCP	105	6787	1996	MA ter HORST, CJ JAMESON
Ar	CO2		T	JCP	105	9130	1996	JM HUDSON, A ERNESTI, MM LAW, CF ROCHE, RJ WHEATLEY
Ar2	CO2		mw	JMSp	157	132	1993	YJ XU, W JAEGER, MCL GERRY
Ar2	CO2		I	JCP	104	2202	1996	JM SPERHAC, MJ WEIDA, DJ NESBITT
Ar2	CO2	dipole		CP	249	41	1999	D CONSALVO, J GRIPP
Ar n	CO2		T	JCP	109	1343	1998	MW SEVERSON
Ar	CO2		T	JCP	112	5308	2000	AJ MISQUITTA, R BUKOWSKI, K SZALEWICZ
Ar	H2S			JCP	82	1674	1985	R VISWANATHAN, TR DYKE
Ar	H2S			JMSt	190	163	1988	RE BUMGARNER, DJ PAULEY, SG KUKOLICH
Ar	H2S		mw	JCP	106	5309	1997	HS GUTOWSKY, T EMILSSON, E ARUNAN
Ar	H2S		T	JCP	106	5316	1997	G de OLIVEIRA, CE DYKSTRA
Ar	H2S		T	JCP	110	289	1999	G de OLIVEIRA, CE DYKSTRA
Ar2	H2S		mw	PCCP	7	2740	2005	PK MANDAL, DJ RAMDASS, E ARUNAN
Ar3	H2S		mw	JCP	114	1242	2001	E ARUNAN, T EMILSSON, HS GUTOWSKY, CE DYKSTRA
Ar	(H2S)2		mw	IISc	85	353	2005	PK MANDAL, M GOSWAMI, E ARUNAN
Ar	NCCN			JCP	80	1417	1984	WL EBENSTEIN, JS MUENTER
Ar	(CH2)2O			JMSt	135	435	1986	RA COLLINS, AC LEGON, DJ MILLEN
Ar	(CH2)2O invers		mw	JMSt	599	81	2001	P MORESCHINI, W CAMINATI, PG FAVERO, AC LEGON {oxirane}
Ar	(CH2O)3			CPL	204	139	1993	AC LEGON, DG LISTER {trioxane}
Ar	NH2CHO		M	JCP	89	6141	1988	RD SUENRAM, GT FRASER, FJ LOVAS, CW GILLIES, J ZOZOM
Ar	NH2CHO		T	JCP	105	8213	1996	B KUKAWSKA-TARNAWSKA, G CHALASINSKI, MM SZCZESNIAK
Ar	CH3OH			JMSp	137	127	1989	RD SUENRAM, FJ LOVAS, GT FRASER, JZ GILLIES, CW GILLIES, M ONDA
Ar	CH3OH		mw	JMSp	171	248	1995	XQ TANG, L SUN, RL KUCZKOWSKI
Ar	CH2CHCN			JCP	87	4447	1987	RD SUENRAM, FJ LOVAS
Ar	PF3			CPL	133	359	1987	KW HILLIG II, J MATOS, A SCIOLY, RL KUCZKOWSKI
Ar	PF3			JCP	90	6949	1989	A TALEB-BENDIAB, MS LABARGE, LL LOHR, RC TAYLOR, KW HILLIG II, RL KUCZKOWSKI, R BOHN
Ar	C5H5N		M	JCP	93	1255	1989	TD KLOTTS, T EMILSSON, RS RUOFF, HS GUTOWSKY
Ar	C5H5N		mw	JPC	98	11863	1994	RM SPYCHER, D PETITPREZ, FL BETTENS, A BAUDER {pyridine}
Ar	C5H5N		mm	CPL	261	267	1996	S MELANDRI, G MACCAFERRI, A MARIS, A MILLEMAGGI, W CAMINATI, PG FAVERO
Ar2	C5H5N		mw	JPC	98	11863	1994	RM SPYCHER, D PETITPREZ, FL BETTENS, A BAUDER {pyridine}
Ar	H2CO		mw	JCP	99	7506	1993	SE NOVICK
Ar	H2CO		T	JCP	99	5211	1993	J SADLEJ, MM SZCZESNIAK, G CHALASINSKI
Ar	H2CCO		mw	JMSp	207	201	2001	CW GILLES, JZ GILLES, SJ AMADON, RD SUENRAM, FJ LOVAS, H WARNER, R MALLOY
Ar	CH2CO		mw	COL	TC10		1994	R MOLLOY, CW GILLES, JZ GILLES, FJ LOVAS, RD SUENRAM
Ar	D3+		mw	CPL	256	635	1996	Y OHSHIMA, Y ENDO
Ar	D2H+		mw	CPL	256	635	1996	Y OHSHIMA, Y ENDO
Ar	H3+		mm	JMSp	190	130	1998	S BAILLEAX, M BOGEY, ..., LH COURDERT
Ar	D3+		mm	JMSp	190	130	1998	S BAILLEAX, M BOGEY, ..., LH COURDERT
Ar	HCO+		mw	JCP	106	2977	1997	Y OHSHIMA, Y SUMIYOSHI, Y ENDO
Ar	HCO+		I	CPL	288	504	1998	H LINNARTZ, T SPECK, JP MAIER
Ar	HCO		E	JCP	107	680	1997	SA WRIGHT, PJ DAGDIGIAN
Ar	H		E	JCP	104	8245	1996	I DABROWSKI, DW TOKARYK, M VERVLOET, JKG WATSON
Ar	H2		I	FDCS	73	89	1982	ARW McKELLAR
Ar	H2		I	JCP	105	2628	1996	ARW McKELLAR
Ar	H2		T	JCP	105	2639	1996	C BISSONNETTEE, CE CHUAQUI, KG CROWELL, RJ LEROY, RJ WHEATLEY, WJ MEATH
Ar	H2		T	JCP	109	2233	1998	DE WOON, KA PETERSON, TH DUNNING Jr
Ar	HD		T	JCP	109	10823	'98	F MRUGALA, R MOSZYNSKI
Ar	HD		T	JCP	115	3155	2001	F MRUGALA
Ar	Al		E	CPL	304	317	1999	J LEI, PJ DAGDIGIAN
Ar	AlH		E	JCP	102	2426	1995	E HWANG, PJ DAGDIGIAN
Ar	F2		T	JCP	110	860	1999	KW CHAN, TD POWER, J JAI-NHUKNAN, SM CYBULSKI
Ar	Cl2		T	JPC	92	587	1988	BP REID, KC JANDA, N HALBERSTADT

Ar	Cl2		E	JCP	88	5433	1988	DD EVARD, JI CLINE, KC JANDA
Ar	Cl2		T	JCP	97	341	1992	N HALBERSTADT, S SERNA, O RONCERO, KC JANDA
Ar	Cl2		T	JCP	97	440	1992	FM TAO, W KLEMPERER
Ar	Cl2	T Shaped	mw	JCP	98	3726	1993	Y XU, W JAEGER, I OZIER, MCL GERRY
Ar	Cl2		T	JCP	104	9304	1996	F WANG, FRW McCOURT
Ar	Cl2		T	JCP	105	5830	1996	KC JANDA, O RONCERO, N HALBERSTADT
Ar	Cl2		T	CPL	261	591	1996	AA BUCHACHENKO, NF STEPANOV
Ar	Cl2		T	CP	219	161	1997	BL GRIGORENKO, AV NEMUKHIN, VA APKARIAN
Ar	Cl2	IVR	T	JCP	107	1406	1997	O RONCERO, D CALOTO, KC JANDA, N HALBERSTADT
Ar etc	Cl2			MP	91	573	1997	J WILLIAMS, A ROHRBACHER, D DJAHANDIDEH, KC JANDA
Ar	Cl2		T	JCP	107	5702	1997	FY NAUMKIN, FRW McCOURT
Ar	Cl2		T	JCP	110	7745	1999	SM CYBULSKI, JS HOLT
Ar2	Cl2		ED	JPC	94	7452	1990	CR BIELER, DD EVARD, KC JANDA
Ar3	Cl2		ED	JPC	94	7452	1990	CR BIELER, DD EVARD, KC JANDA
Ar	ClO2		mw	JCP	119	8404	2003	M SCHAFER, T-K HA, A BAUDER
Ar	Br2		T	MP	96	1043	1999	FY NAUMKIN, FRW McCOURT
Ar	H2O		IM	JCP	89	4494	1988	RC COHEN, KL BUSAROW, KB LAUGHLIN, GA BLAKE, M HAVENITH, YT LEE, RJ SAYKALLY
Ar	H2O		T	JCP	92	157	1990	JM HUTSON
Ar	H2O		I	JCP	92	169	1990	RC COHEN, KL BUSARO, YT LEE, RJ SAYKALLY
Ar	H2O		I	Col			1990	R LASCOLA, CM LOVEJOY, DJ NESBIT
Ar	H2O		I	JPC	94	7991	1990	RC COHEN, RJ SAYKALLY
Ar	D2O		I	JCP	94	824	1991	S SUZUKI, RE BUMGARNER, PA STOCKMAN, PG GREEN, GA BLAKE
Ar	D2O			CP	151	407	1991	E ZWART, WL MEERTS
Ar	H2O			JMSp	144	97	1990	GT FRASER, FJ LOVAS, RD SUENRAM, K MATSUMURA
Ar	H2O		T	JCP	94	8096	1991	M BULSKI, PES WORMER, A VAN DER AVOIRD
Ar	H2O		IT	JCP	95	7891	1991	RC COHN, RJ SAYKALLY
Ar	H2O		I	JCP	97	8096	1992	DJ NESBITT, R LASCOLA
Ar	H2O		TD	JCP	97	8111	1992	C BISSONNETTE, DC CLARY
Ar	H2O		IT	JCP	98	6007	1993	RC COHEN, RJ SAYKALLY
Ar	H2O	hyperfine		JCP	98	5235	1993	TC GERMANN, HS GUTOWSKY
Ar	H2O		T	JCP	101	1129	1994	FM TAO, W KLEMPERER
Ar	H2O		T	JCP	103	1498	1995	R BURCL, G CHALASINSKI, R BUKOWSKI, MM SZCZESNIAK
Ar	H2O		I	JCP	106	3078	1997	MJ WEIDA, DJ NESBITT
Ar	H2O		D	MP	99	1981	2001	RN DIXON, X YANG, SA HENICH, D DAI, X YANG
Ar	H2O		mm	JMSp	324	12	2016	L ZOU, SI WIDICUS WEAVER
Ar	H2O	HCN	mw	JCP	102	3032	1995	HS GUTOWSKY, AC HOEY, SL TSCHOPP, JD KEEN, CE DYKSTRA
Ar	H2O	C6H5OH ZEKE		CP	207	437	1996	O DOPFER, M MELF, K MULLER-DETHLEFS
Ar	(H2O)2		mw	JACS	116	8418	1994	E ARUNAN, T EMILSSON, HS GUTOWSKY
Ar	(H2O)2		mw	JCP	116	4886	2002	E ARUNAN, T EMILSSON, HS GUTOWSKY
Ar	(H2O)3		mw	JACS	116	8418	1994	E ARUNAN, T EMILSSON, HS GUTOWSKY
Ar2	H2O		mw	JACS	116	8418	1994	E ARUNAN, T EMILSSON, HS GUTOWSKY
Ar2	H2O		far I	COL	TL05		1995	M BROWN, K LIU, M ELROD, L DORE, RJ SAYKALLY
Ar2	H2O		mw	JCP	105	8495	1996	E ARUNAN, CE DYKSTRA, T EMILSSON, HS GUTOWSKY
Ar3	H2O		mw	JACS	116	8418	1994	E ARUNAN, T EMILSSON, HS GUTOWSKY
Ar3	H2O		mw	JCP	114	1242	2001	E ARUNAN, T EMILSSON, HS GUTOWSKY, CE DYKSTRA
Ar1,2,3	(H2O)2		PE	CPL	321	333	2000	GH LEE, ST ARNOLD, ..., KH BOWEN
Ar	BH		T	JCP	101	2887	1994	MH ALEXANDER, S GREGURICK, PJ DAGDIGIAN
Ar	BH		E	JCP	101	2903	1994	E HWANG, PJ DAGDIGIAN
Ar	OH		E	JCP	89	7030	1988	WM FAWZY, MC HEAVEN
Ar	OH		EM	JCP	92	909	1989	WM FAWZY, MC HEAVEN
Ar	OH		E	CPL	163	203	1989	KM BECK, MT BERRY, MR BRUSTEIN, MI LESTER
Ar	OH		T	JPC	94	2226	1990	JM BOWMAN, B GAZDY, P SCHAFER, MC HEAVAN
Ar	OH		E	Col			1990	SK KULKARNI, Y LIN, MC HEAVEN
Ar	OD		E	JCP	91	6657	1989	JL LEMAIRE, WUL TCHANG-BRILLET, N SHAFIZADEH, J ROSTAS, F ROSTAS
Ar	OD		E	JCP	93	872	1990	JL LEMAIRE, WUL TCHANG-BRILLET, F ROSTAS, J ROSTAS, N SHAFIZADEH, MC HEAVEN
Ar	OH		E	CPL	175	561	1991	J SCHLEIPEN, L NEMES, J HEINZE, JJ TER MEULEN
Ar	OH		T	JCP	94	4149	1991	C CHAKRAVARTY, DC CLARY
Ar	OH		T	JCP	94	7602	1991	ML DUBERNET, D FLOWER, JM HUTSON
Ar	OH		E	JCP	95	7086	1991	BC CHANG, L YU, D CULLIN, B REHFUSS, J WILLIAMSON, TA MILLER, WM FAWZY X ZHENG, S FEI, M HEAVEN
Ar	OH		T	JCP	96	2573	1992	WH GREEN Jr, MI LESTER
Ar	OH		E	JCP	96	7890	1992	MT BERRY, RA LOOMIS, LC GIANCARLO, MI LESTER
Ar	OH		m	JCP	95	7001	1991	Y OHSHIMA, M IIDA, Y ENDO
Ar	OH			COL	92	RE05	1992	W BASINGER, U SCHNUPF, X ZHENG, MC HEAVEN
Ar	OH		E	JCP	97	7999	1992	BC CHANG, JM WILLIAMSON, DW CULLIN, JR DUNLOP, TA MILLER
Ar	OH		E	COL	93	RE07	1993	BC CHANG, JM WILLIAMSON, TA MILLER
Ar	OH		T	COL	92	RE09	1992	U SCHNUPF, JM BOWMAN, MC HEAVEN
Ar	OH		T	JCP	99	7477	1993	ML DUBERNET, JM HUTSON
Ar	OH		D	JCP	101	2914	1994	LC GIANCARIO, RW RANDALL, SE CHOI, MI LESTER
Ar	OH		T	JCP	102	1981	1995	SE CHOI, MI LESTER, H WEON, JC LIGHT
Ar	OH	PES from exp		JCP	102	2282	1995	T-K HO, H RABITZ, SE CHOI, MI LESTER
Ar	OH		mw	FDCS	97	341	1994	Y ENDO,

Ar	OH	T	JCP	104	1187	1996	TS HO, H RABITZ, SE CHOI, MI LESTER
Ar	OD quantum beats		JCP	104	5365	1996	RT CARTER, IM POVEY, H BITTO, JR HUBER
Ar	OH	I	JCP	112	4942	2000	RT BONN, MD WHEELER, MI LESTER
Ar	OH	T	JCP	112	4952	2000	J KLOS, G CHALASINSKI, MT BERRY, RA KENDALL, R BURCL, MM SZCZESNIAK, SM CYBILSKI
Ar	OH	mm	JCP	125	124307'06		Y SUMIYOSHI, I FUNAHARA, K SATO, Y OHSHIMA, Y ENDO
Ar	HO2	mw	JCP	122	184302'05		K SUMA, W FUNATO, Y SUMIYOSHI, Y ENDO
Ar	SH	E	JCP	93	4301	1993	MC YANG, AP SALZBERG, BC CHANG, CC CARTER, TA MILLER
Ar	SH	E	Col			1987	W FAWZY, MC HEAVEN
Ar	SH	E	JCP	107	3437	1997	MC YANG, CC CARTER, TA MILLLER
Ar	SH	E	JCP	107	3447	1997	CC CARTER, TA MILLER
Ar	SH	T	JCP	107	3460	1997	PP KORAMBATH, XT WU, EF HAYES, CC CARTER, TA MILLER
Ar	SH	E	JCP	110	5149	1999	SR MACKENZIE, O VOTAVA, JR FAIR, DJ NESBITT
Ar	SH	mw	JCP	113	10121	'00	Y SUMIYOSHI, Y ENDO, Y OHSHIMA
Ar	SH	mwT	JMSp			2003	Y SUMIYOSHI, Y ENDO, Y OHSHIMA
Ar	SH	mwmm	JCP	123	054324'05		Y SUMIYOSHI, H KATSUNUMA, K SUMA, Y ENDO
Ar	SH	mwT	JCP	123	054325'05		Y SUMIYOSHI, Y ENDO
Ar2	SH	E	JCP	110	5149	1999	SR MACKENZIE, O VOTAVA, JR FAIR, DJ NESBITT
Ar	CH	E	JCP	99	91	1993	GW LEMIRE, MJ MCQUAID, AJ KOTLAR, RC SAUSA
Ar	CH	T	JCP	101	4547	1994	MH ALEXANDER, S GREGURICK, PJ DAGDIGIAN, GW LEMIRE, MJ MCQUAID, RC SAUSA
Ar	CH	E	JCP	113	1775	2000	AV KOMISSAROV, MC HEAVEN
Ar	Al	E	JCP	92	2733	1990	MJ MCQUAID, JL GOLE, MC HEAVEN
Ar	C6H6	E	JCP	104	865	1996	E RIEDLE, D SUSSMAN, TH WEBER, HJ NEUSSER
Ar	C6H6	mw	CPL	173	435	1990	T BRUPBACHER, A BAUDER
Ar	C6H6	m	Austin			1992	A BAUDER
Ar	C6H6	T	JCP	95	391	1991	P HOBZA, HL SELZLE, EW SCHLAG
Ar	C6H6	vib	CPL	196	410	1992	O BLUDSKY, V SPIRKO, V HROUDA, P HOBZA
Ar	C6H6	T	JCP	98	5327	1993	A VAN DER AVOIRD
Ar	C6D3H3	m	JCP	101	9736	1994	TH BRUPBACHER, J MAKAREWICZ, A BAUDER
Ar	C6H6	T	JCP	101	9747	1994	W KLOPPER, HP LUTHI, TH BRUPBACHER, A BAUDER
Ar	C6H6	Ra	JCP	107	2193	1997	W KIM, PM FELKER
Ar	C6H6	E	JCP	108	8408	1998	R NEUHAUSER, J BRAUN, HJ NUESSER, A VAN DER AVOIRD
Ar	C6H6	T	JCP	108	2784	1998	H KOCH, B FERNANDEZ, O CHRISTIANSEN
Ar	C6H6	mw	ACS		31	2010	DMANI, P AISWARYALAKSHMI, E ARUNAN {13CC5H6, C6H5D}
Ar	C6H6 H2O	mw	JCP	101	861	1994	E ARUNAN, T EMILSSON, HS GUTOWSKY
Ar2	C6H6	EM	JCP	94	7689	1991	T WEBER, HJ NEUSSER
Ar	C6H5F	mw	ZNAT	47	681	1992	W STAHL, J-U GRABOW {fluorobenzene}
Ar	C6H4F2						
Ar	C6H5Cl	mwT	JCP	113	9051	2000	JJ OH, I PARK, RJ WILSON, SA PEEBLES, RL KUCZKOWSKI, E KRAKA, D CREMER
Ar	c-C6H5CN	mw	BBPC	98	970	1994	U DAHMEN, W STAHL, H DREIZLER {benzonitrile}
Ar	C6H5CCH	E	CPL	343	475	2001	K SIGLOW, HJ NEUSSER
Ar	CN	E	Col			1990	Y LIN, SK KULKARNI, MC HEAVEN
Ar	CH3CN		JCP	94	5306	1991	RS FORD, RD SUENRAM, GT FRASER, FJ LOVAS, KR LEOPOLD
Ar	CH3CN	mw	JMSp	307	59	2015	FJ LOVAS, J SOBHANADRI
Ar	CH3CCH	MI	JCP	98	6031	1993	TA BLAKE, DF EGGERS, SH TSENG, M LEWERENZ, RP SWIFT, RD BECK, RO WATTS, F LOVAS
Ar	HCOOH	m	JPC	98	2231	1994	II IOANNOU, RL KUCZKOWSKI
Ar	CdCH3	E	COL		FB11	1991	AM ELLIS, ESJ ROBLES, TA MILLER
Ar	CdCH3		COL	92	RE11	1992	ESJ ROBLES, AM ELLIS, TA MILLER
Ar2	Hg	I	COL		RC8	1991	M OKUNISHI, K YAMANOUCHI, S TSUCHIYA
Ar	CH2CHF	M	JCP	95	2283	1991	Z KISIEL, PW FOWLER, AC LEGON
Ar	CH2CF2	M	JCP	95	2283	1991	Z KISIEL, PW FOWLER, AC LEGON
Ar	CH2CF2	mw	JCP	112	2204	2000	A DELL'ERBA, S MELANDRI, A MILLEMAGGI, W CAMINATI, PG FAVERO
Ar	CHFCF2	M	JCP	95	2283	1991	Z KISIEL, PW FOWLER, AC LEGON
Ar	CH3CHF2	mw	CPL	316	75	2000	B VELINO, S MELANDRI, PG FAVERO, A DELL'ERBA, W CAMINATI
Ar	CH2FCH2F	mm	CPL	321	31	2000	S MELANDRI, B VELINO, PG FAVERO, A DELL'ERBA, W CAMINATI
Ar	S(CH2)2		CPL	189	149	1992	AC LEGON, DG LISTER
Ar	S(CH2)3	mw				1994	D MCCAMANT, WC PRINGLE {trimethylene sulfide}
Ar	C6H5CHCHC6H5		CP	156	251	1991	BB CHAMPAGNE, DF PLUSQUELLIC, JF PFANSTIEL, DW PRATT, WM VAN HERPIN, WL MEERTS
Ar	C6H4CH2C6H4	EM	CPL	147	7	1988	WM VAN HERPEN, WL MEERTS
Ar2	C6H4NHC6H4	E	CPL	221	46	1994	R SUBMANN, H NEUSSEN
Ar	C6D5F	mw	JMSt	446	55	1998	RA APPLEMAN, SA PEEBLES, RL KUCZKOWSKI
Ar	C6H4F2	E	CP	156	261	1991	MC SU, HK O, CS PARMENTER
Ar	C6H4F2	mw	JMSp	158	278	1993	E JOCHIMS, JU GRABOW, W STAHL
Ar	C6H4F2 {meta}	mw				1994	E JOCHIMS, JU GRABOW, W STAHL, MADER
Ar	C6H4F2 {para}	RTPI	JCP	102	3055	1995	R SUSSMANN, HJ NEUSSER
Ar	C6H4F2 {para}	MATI	JPCA	102	6068	1998	G LEMBAACH, B BRUTSCHY
Ar	C6H4F2 {para}	disso	CPL	130	103	2000	SM BELLM, JR GASCOOKE, WD LAWRANCE
Ar	C6H2F2 {para}	TOF	JCP	115	10709	'01	SM BELLM, RJ MOULDS, WD LAWRANCE
Ar	C6H3F3 {1,2,3}	m	JMSt	410	51	1997	M ONDA, Y BITOH, AR HIGHT WALKER
Ar	C6H3F3 {1,2,4}	mw	JMSp	180	116	1996	E JOCHIMS, H MADER, W STAHL
Ar	C6H4FCH3 {p}	RTPI	CP	218	325	1997	Y HU, W LU, S YANG

Ar	C6H4FCH3 {p}	mw	JMSp	195	1	1999	J ROTTSTEGGE, H HARTWIG, H DREIZLER {p-fluorotoluene}
Ar	C6H5CN	mw	BBPC	98	970	1994	H DREIZLER, A GUARNIERI, H MADER, W STAHL, DH SUTTER, DAHMAN
Ar	C6H5NH2	E	JCP	105	7942	1996	WE SINCLAIR, DW PRATT
Ar	C6H5NH2	mw	CP	228	301	1998	D CONSALVO, V STORM, ..., H DREIZLER
Ar	(C6H5)C4H4(C6H5)		COL	92	MG04	1992	S HUMPHREY, B CHAMPAGNE, J PFANSTIEL, D PRATT
Ar	HCCCH3		COL	92	RE01	1992	RD BECK, TA BLAKE, DF EGGERS, M LEWERENZ, FJ LOVAS, P SWIFT, SH TSENG, R WATTS
Ar	ICl	mw	CPL	306	133	1999	JB DAVEY, AC LEGON, ..., ER WACLAWIK
Ar	I2	E	JCP	97	6057	1992	S FEI, X ZHENG, MC HEAVEN
Ar	I2	E	JCP	98	6642	1993	ML BURKE, W KLEMPERER
Ar	I2	E	JCP	101	126	1994	MCR COCKETT, JG GOODE, RRJ MAIER, KP LAWLEY, RJ DONOVAN
Ar	I2	ZEKE	CPL	231	521	1994	JG GOODE, MC CROCKETT, KP LAWLEY, RJ DONOVAN
Ar	I2	T	JCP	104	4999	1996	O RONCERO, SK GRAY
Ar	I2	T	JCP	104	9913	1996	AA BUCHACHENKO, NF STEPANOV
Ar	I2	T	JCP	109	359	1998	CF KUNZ, I BURGHARDT, BA HESS
Ar	I2	T	CPL	294	71	1998	FY NAUMKIN, FRW McCOURT
Ar	I2	T	JCP	110	960	1999	S ZAMITH, C MEIER, N HALBERSTADT, JA BESWICK
Ar	I2	T	CP	240	79	1999	FY NAUMKIN
Ar	I2	E	JCP	111	7844	1999	AE STEVENS MILLER, C-C CHUANG, HC FU, KJ HIGGENS, W KLEMPERER
Ar	HNCO	mw	JMSp	171	402	1995	CW BOYCE, CW GILLES,H WARNER, JZ GILLES, FJ LOVAS, RD SUENRAM
Ar	HCNO	mw	COL	TC09		1994	C BOYCE, CW GILLES, JZ GILLES, FJ LOVAS, RD SUENRAM, HE WARNER
Ar	C6H7N	ZEKE	JCP	97	2843	1992	X ZHANG, JM SMITH, JL KNEE
Ar2	C6H7N	ZEKE	JCP	97	2843	1992	X ZHANG, JM SMITH, JL KNEE
Ar	C6H5NH2	E	CPL	260	87	1996	M BECUCCI, G PIETRAPERZIA, NM LAKIN, E CASTELLUCCI, P BRECHIGNAC {aniline}
Ar	C6H5NH2	mw	CP	237	395	1998	V STORM, H DREIZLER, ..., D CONSALVO
Ar	C6H5NH2	T	CP	249	113	1999	I LOPEZ-TOCON, JC OTERO, M BECUCCI, G PIETRAPERZIA, E CASTELLUCCI
Ar	C6H5NHCHO	ZEKE	CPL	351	121	2002	S ULLRICH, G TARCZAY, X TONG, MS FORD, CE DESSENT, K MULLER-DETHLEFS {trans formanilide}
Ar	In	E	JCP	99	4300	1993	PA HACKETT, WJ BALFOUR, AM JAMES, WM FAWZY, BJ SHETTY, B SIMARD
Ar	CS2	I				1993	TR DYKE, J CRUZAN, M WALSH
Ar	H2O HCN		COL	93	TC07	1993	HS GUTOWSKY, AC HOEY, SL TSCHOPP, T EMILSSON, JD KEEN, CE DYKSTRA
Ar	aromatics		COL	93	TC08	1993	U DAHMEN, JU GRABOW, E JOCHIMS, U KRETSCHMER, U SPOEREL, W STAHL
Ar	CH3CHO	mw	JMSp	166	354	1994	II IOANNOU, RL KUCZKOWSKI
Ar	CH3CHO	mw	JMSp	171	265	1995	II IOANNOU, RL KUCZKOWSKI, JT HOUGEN
Ar	CH3CHO	mm	JMSp	xxx	xxx	2003	S MELANDRI, A DELL'ERBA, PG FAVERO, W CAMINATI
Ar	(CH3)2CO	mw	JMSp	213	122	2002	L KANG, A KEIMOWITZ, MR MUNROW, SE NOVICK
Ar	SiH4	I	JCP	100	7051	1994	RW RANDALL, JB IBBOTSON, BJ HOWARD
Ar	SiH4	mw	JMSp	197	232	1999	Y KAWASHI, RD SUENRAM, GT FRASER, FJ LOVAS, E HIROTA
Ar	CH4	I	ZNAT	51	997	1996	I PAK, M HEPP, DA ROTH, G WINNEWISSER, KMT YAMADA
Ar	CH4	I	ZNAT	53	725	1998	I PAK, DA ROTH, ..., KMT YAMADA
Ar	CH4	T	JCP	110	5639	1999	TGA HEIJMEN, PES WORMER, A VAN DER AVOIRD, RE MILLER, R MOSZYNSKI
Ar	CH4	I	JCP	110	5651	1999	RE MILLER, TGA HEIJMEN, PES WORMER, A VAN DER AVOIRD, R MOSZYNSKI
Ar	CH4	I	JMSp	222	109	2003	M WANGLER, DA ROTH, I PAK, G WINEWISSER, PES WORMER, A van der AVOIRD
Ar n	CH3+	I D	JCP	108	10046	1998	RV OLKHOV, SA NIZKORODOV, O DOPFER
Ar	CHCHOCHN		JPC	99	12466	1995	E KRAKA, D CREMER, U SPOEREL, I MERKE, W STAHL, H DREIZLER {oxazole}
Ar	c-CHCHONCH		JPC	100	14298	1996	U SPOEREL, H DREIZLER, W STAHL, E KRAKU, D CREMER {isoxazole}
Ar	CHCHSCHN		JMSt	352	289	1995	U KRETSCHMER, W STAHL, H DREIZLER {thiazole}
Ar	c-CHCHSNCH	mw	BBPC	99	891	1995	U KRETSCHMER {isothiazole}
Ar	c-CHCHNCHNH	mw	CPL	294	377	1998	W CAMINATI, S MELANDRI, ..., PG FAVERO {imidazole}
Ar	c-CH2OCH2OCH2	mm	JMSp	184	145	1997	A MARIS, AC FANTONI, W CAMINATI, PG FAVERO
Ar	c-C5H8O	mw	JPCA	114	1427	2010	AJ MINEI, J van WIJNGAARDEN, SE NOVICK, WC PRINGLE {cyclopentene oxide}
Ar	(CH3)2C6H2C4H4	RTPI	JCP	102	4715	1995	T DROZ, S LEUTWYLER, M MANDZIUK, Z BACIC
Ar	C10H7F	E	JCP	102	6432	1995	BB CHAMPAGNE, JF PFANSTIEL, DW PRATT, RC ULSH {1- and 2-fluoronapthalene}
Ar	methylpyrrole	mw	COL	TB11		1995	SR HUBER, A BAUDER
Ar2	methylpyrrole	mw	COL	TB11		1995	SR HUBER, A BAUDER
Ar	(CH3)2S	mw	JMSp	257	11	2009	Y TATAMITANI, A SATO, Y KAWASHIMA, N OHASHI, JM LOBUE, E HIROTA
Ar	(CH2)3S	mw	COL	RI07		1995	WDR PREMASIRI, DW MCCAMANT, M MUNROW, WC PRINGLE {thietane}
Ar	(CH2)3O	mw	COL	RI07		1995	WDR PREMASIRI, DW MCCAMANT, M MUNROW, WC PRINGLE {oxetane}
Ar	c-(CH2)3O	mw	CPL	286	272	1998	F LORENZO, A LESARRI, JC LOPEZ, JL ALONSO {oxetane}
Ar	c-(CH2)3CO	mw	JPCA	103	2256	1999	MR MUNROW, WC PRINGLE, SE NOVICK {cyclobutanone}
Ar	c-C4H7Cl	mw	JMSt	742	165	2005	R SUBRAMANIAN, JM SZARKO, WC PRINGLE, SE NOVICK {chlorocyclobutane}
Ar	c-(C4H6)CH2	mw	JMSp	251	210	2008	W LIN, JA GAYLE, WC PRINGLE, SE NOVICK {methylenecyclobutane}
Ar	NaCl	mw	JCP	109	10539	'98	A MIZOGUCHI, Y ENDO, Y OHSHIMA
Ar	AgF	mw	JCP	112	1321	2000	CJ EVANS, MCL GERRY
Ar	AgCl	mw	JCP	112	1321	2000	CJ EVANS, MCL GERRY
Ar	AgBr	mw	JCP	112	1321	2000	CJ EVANS, MCL GERRY
Ar	AuCl	mw	JACS	122	6100	2000	CJ EVANS, A LESARRI, MCL GERRY
Ar	CuF	mw	JCP	112	9363	2000	CJ EVANS, MCL GERRY
Ar	CuCl	mw	JCP	112	9363	2000	CJ EVANS, MCL GERRY
Ar	CuBr	mw	JCP	112	9363	2000	CJ EVANS, MCL GERRY
Ar	NF3	mw				1996	KJ GRANT, DS McCRACKEN, MR MUNROW, SE NOVICK
Ar	C10H8	ZEKE	CPL	261	481	1996	T VONDRAK, S SATO, K KIMURA {napthalene}
Ar	C10H8	T	JCPA	105	10379	'01	E CLEMENTI, G CORONGIN(?) {napthalene}
Ar	(CH2)3	mw	JCP	106	7968	1997	Y XU, W JAEGER {cyclopropane}

Ar	(CH2)3	T	JCP	115	8431	2001	TB PEDERSEN, B FERNANDEZ, H KOCH, J MAKAREWICZ {cyclopropane}
Ar	CH3CH2CH3	mw	JCP	127	184306	'07	KI PETERSON, D PULLMAN, W LIN, AJ MINEI, SE NOVICK {propane}
Ar	C6H4(CHCH2)F	E	JCP	108	1836	1998	NM LAKIN, G PIETRAPERZIA, M BECUCCI, E CASTELLIUCCI, M CORENO, A GIARDINI-GUIDONI, A VAN DER AVOIRD {4-fluorostyrene}
Ar	CHF2CH3	mw	CPL	316	75	2000	B VELINO, S MELANDRI, ..., W CAMINATI
Ar	CH2F2	MW	CPL	316	81	2000	JC LOPEZ, PG FAVERO, ..., W CAMINATI
Ar	CH3CH2CHOHCH3	mw	JMSp	214	97	2002	AK KING, BJ HOWARD {butan-2-ol}
Ar1-3	C15H13 MATI		JCP	110	3389	1999	JD PITTS, JL KNEE {9-ethylfluorene}
Ar m	I- ROH	VPre	JCP	111	9593	1999	SB NIELSEN, P AYOTTE, JA KELLY, MA JOHNSON {R = methyl, ethyl, isopropyl)
Ar1-4	C4H2+	D	JMSp			2003	TW SCHMIDT, T PINO, J van WIJNGAARDEN, K TIKHOMIROV, F GUTHE, JP MAIER
Ar/Kr/Xe	Cr/Mo/W(CO)6	I	JCP	104	8292	1996	GM HANSFORD, PB DAVIES
Ar	C28H18	RCS	JCP	113	11109	'00	T FUJIWARA, Y FUJIMURA, O KAJIMOTO {9-9'-bianthryl}
Ar	HCCCN	mw	APPA	104	415	2003	O DESYANTNYK, J KOSARZEWSKI, Z KISIEL
Ar	HCCCN	mw	JCP	119	7749	2003	A HUCKAUF, W JAEGER, P BOTSCHWINA, R OSWALD
Ar	c-C7H5OOH	LIF	CPL	215	499	1993	H SEKIYA, T NAKAJIMA, H UJITA, T TSUJI, S ITO, Y NISHIMURA {tropolone}
Ar	c-C7H5OOH	mw	JPCA	113	13076	'09	W LIN, WC PRINGLE, SE NOVICK, TA BLAKE {tropolone}
Ar	CH3OCH3		CPL	361	341	2002	P OTTAVIANI, A MARIS, W CAMINATI, Y TATAMITANI, Y SUZUKI, T OGATA, JL ALONSO
Ar	CH3OCH3	Tmw	JCP	124	094301	'06	Y MORITA, N OHASHI, Y KAWASHIMA, E HIROTA
Ar	CF3CN	mw	JMSp	243	32	2007	W LIN, SE NOVICK {trifluoroacetonitrile}
Ar	C6H5OH	T	JCP	128	114319	'08	J CERNY, X TONG, P HOBZA, K MULLER-DETHLEFS
Ar	ThO	T	CP	399	50	2012	ER SAYFUTYARORA, AA BUCHACHENKO, M HAPKA, MM AZCZESNIAK, G CHALASINSKI
Ar m	CH3NO2	Pre	JCP	115	10718	‘01	JM WEBER, WH ROBERTSON, MA JOHNSON
Ar	HCCCH2OH	mw	CPC	14	754	2013	D MANI, E ARUNAN {propargyl alcohol}
Ar	CF3CHOCH2	mw	JPCA			2018	MD MARSHALL, HO LEUNG, K WANG, MD ACHA {3,3,3-trifluoro-1,2-epoxypropane}
Ar	CF2HCHOCH2	mw	JMSp			2018	MD MARSHALL, HO LEUNG {3,3-difluoro-1,2-epoxypropane}
Kr	Xe	mw	JCP	99	919	1993	W JAEGER, Y XU, MCL GERRY
Kr	Ag	E	JCP	103	9200	1995	LR BROCK, MA DUNCAN
Kr	HF		CPL	70	420	1980	EJ CAMPBELL,MR KEENAN,LW BUXTON, TJ BALLE, PD SOPER, AC LEGON, WH FLYGARE
Kr	HF		CP	54	173	1981	LW BUXTON, EJ CAMPBELL, MR KEENAN, TJ BALLE, WH FLYGARE
Kr	HF	I	JCP	85	2502	1986	GT FRASER, AS PINE
Kr	HF	I	Mar			1986	ZS HUANG, KW JUCKS, RE MILLER
Kr	HF in He	I	JCP	115	4508	2001	K NAUTA, RE MILLER
Kr	HCl		JCP	72	922	1980	TJ BALLE, EJ CAMPBELL, MR KEENAN, WH FLYGARE
Kr	HCl		CP	45	429	1980	AE BARTON, TJ HENDERSON, PRR LANGDRIDGE-SMITH, BJ HOWARD
Kr	HCl	eqQ	PR	A24	818	1981	EJ CAMPBELL, LW BUXTON, MR KEENAN, WH FLYGARE
Kr	HCl		MP	51	1489	1984	EJ CAMPBELL, WG READ
Kr	HCl vib ex state		JCP	98	2783	1993	JW BEVAN, AC LEGON, CA REGO
Kr	HCl vib excited		CPL	204	551	1993	JW BEVAN, AC LEGON, CA REGO
Kr	HCl	T	MP	100	151	2002	JM HUTSON, BJ HOWARD
Kr	HBr		JCP	72	3070	1980	MR KEENAN,EJ CAMPBELL,TJ BALLE, LW BUXTON, TK MINTON, PD SOPER, WH FLYGARE
Kr	HBr	T	JCP	91	4455	1989	JM HUTSON
Kr	HCN		JCP	78	3483	1983	EJ CAMPBELL, LW BUXTON, AC LEGON
Kr	HCN ex vib	mw	JCP	103	493	1995	E ARUNAN, T EMILSSON, HS GUTOWSKY
Kr	HCN	T	JCP	114	851	2001	RR TOCZYLOWSKI, F SLAWOMIR, M CYBULSKI
Kr	ClF		CJP	53	2007	1975	SE NOVICK, SJ HARRIS, KC JANDA, W KLEMPERER
Kr	ClF		CP	59	55	1981	LW BUXTON, EJ CAMPBELL, WH FLYGARE
Kr	F2	T	JCP	109	10701	'98	GJ HOFFMAN, LA SWAFFORD, RJ CAVE
Kr	SO3		JCP	74	4211	1981	KR LEOPOLD, KH BOWEN, W KLEMPERER
Kr	OCS	I	CPL	118	12	1985	GD HAYMAN, J HODGE, BJ HOWARD, JS MUENTER, TR DYKE
Kr	OCS		JCP	87	2010	1987	FJ LOVAS, RD SUENRAM
Kr	OCS	I	JMSp	139	423	1989	GD HAYMAN, J HODGE, BJ HOWARD, JS MUENTER, TR DYKE
Kr	OCS		COL	FA7		1991	L NEMES, SL MARUCA, AM ANDREWS, KW HILLIG II, RL KUCZKOWSKI
Kr	OCS dipole		JMSp	160	422	1993	AM ANDREWS, L NEMES, SL MARUCA, KW HILLIG II, RL KUCZOWSKI, JS MUENTER
Kr	CO2	I	JCP	88	6157	1988	GT FRASER, AS PINE, RD SUENRAM
Kr	CO2	mw	JPC	97	357	1993	M IIDA, Y OHSHIMA, Y ENDO
Kr	CO	I	JMSp	158	100	1993	ARW McKELLAR
Kr	CO	mw	JCP	106	7519	1997	KA WALKER, T OGATA, W JAEGER, MCL GERRY, I OZIER
Kr	CO	I	MP	97	127	1999	MD BROOKS, ARW McKELLAR
Kr	CO	mm	JMSp	205	331	2001	KA WALKER, ARW McKELLAR
Kr	CH3OH		Col			1987	RD SUENRAM, GT FRASER, FJ LOVAS, J ZOZOM, CW GILLES
Kr	C5H5N		Col			1987	TD KLOTS, T EMILSSON, RS RUOFF, C CHUANG, HS GUTOWSKY
Kr	PF3	M	JCP	90	6949	1989	A TALEB-BENDIAB, MS LABARGE, LL LOHR, RC TAYLOR, KW HILLIG II, RL KUCZKOWSKI, RK BOHN
Kr	BF3	IM	JCP	90	7017	1989	Y MATSUMOTO, Y OHSHIMA, M TAKAMI, K KUCHITSU
Kr	C6H6		JCP	97	5335	1992	TD KLOTS, T EMILSSON, HS GUTOWSKY
Kr	C6H6	E?	CPL	183	77	1991	T WEBER, E RIEDLE, HJ NEUSSER, EW SCHLAG
Kr ?	C6H6	E	JCP	104	865	1996	E RIEDLE, D SUSSMAN, TH WEBER, HJ NEUSSER
Kr ?	C6H6	E	JCP	104	882	1996	E RIEDLE, A VAN DER AVOIRD
Kr	CdCH3	E	COL		FB11	1991	AM ELLIS, ESJ ROBLES, TA MILLER
Kr	Cl2		JPC	95	5058	1991	CR BIELER, KE SPENCE, KC JANDA

Kr	OH	T	COL	92	RE09	1992	U SCHNUPF, JM BOWMAN, MC HEAVEN
Kr	OH	E	JCP	97	1655	1992	S FEI, X ZHENG, MC HEAVEN
Kr	OH	mw	COL	MJ04		1995	K SATO, Y OHSIMA, Y ENDO
Kr	OH	E	JCP	110	1508	1999	CC CARTER, TA MILLER, H-S LEE, PP KORAMBATH, AB McCOY, EF HAYES
Kr	SH	E	JCP	107	3437	1997	MC YANG, CC CARTER, TA MILLLER
Kr	SH	E	JCP	107	3447	1997	CC CARTER, TA MILLER
Kr	SH	T	JCP	107	3460	1997	PP KORAMBATH, XT WU, EF HAYES, CC CARTER, TA MILLER
Kr	SH	mw	JCP	120	6935	2004	K SUMA, Y SUMIYOSHI, Y ENDO
Kr	H2O	T	JCP	97	8181	1992	G CHALASINSKI, MM SZCZESNIAK, S SCHEINER
Kr	H2O	mw	MP	98	1575	2000	J van WIJNGAARDEN, W JAEGER
Kr	NH3	T	JCP	97	8181	1992	G CHALASINSKI, MM SZCZESNIAK, S SCHEINER
Kr	NH3	mw	MP	99	1215	2001	J van WIJNGAARDEN, W JAEGER
Kr	CS2	I				1993	TR DYKE, J CRUZAN, M WALSH
Kr	SO2	I				1993	TR DYKE, CA HWANG
Kr	C6H6 H2O	mw	JCP	101	861	1994	E ARUNAN, T EMILSSON, HS GUTOWSKY
Kr	N2	mw	JCP	99	7510	1993	W JAEGER, Y XU, N HEINEKING, MCL GERRY
Kr	AlH	E	JPC	99	3430	1995	E HWANG, PJ DAGDIGIAN
Kr	(CH2)3	mw	JCP	106	7968	1997	Y XU, W JAEGER
Kr	CH4	I	ZNAT	53	725	1998	I PAK, DA ROTH, ..., KMT YAMADA
Kr	CH4	mw	JCP	120	9047	2004	Y LIU, W JAEGER
Kr	N2O	I	JMSp	189	235	1998	AW HERREBOUT, HB QIAN, ..., BJ HOWARD
Kr	NO	RTPI	JCP	109	4361	1998	P MACK, JM DYKE, DM SMITH, TG WRIGHT, H MEYER
Kr	c-(CH2)2O	mw	JMSp	215	73	2002	B VELINO, A MILLEMAGGI, W CAMINATI {oxirane}
Kr	c-(CHCH2)2O	mm	MP	98	1919	2000	B VELINO, S MELANDRI, A MARIS, PG FAVERO, W CAMINATI {2,5-dihydrofuran}
Kr	CH3(CHCH2O)	mw	PCCP	5	1359	2003	S BLANCO, S MELANDRI, A MARIS, W CAMINATI, B VELINO, Z KISIEL {propylene oxide}
Kr	HCO+	mw	CPL	331	184	2000	K SEKI, Y SUMIYOSHI, Y ENDO
Kr	AuCl	mw	JACS	122	6100	2000	CJ EVANS, A LESARRI, MCL GERRY
Kr	AgCl	mw	JMSp	206	33	2001	LM REYNARD, CJ EVANS, MCL GERRY
Kr	AgF	mw	JMSt	612	109	2002	NR WALKER, LM REYNARD, MCL GERRY
Kr	CuF	mw	InC	43	3871	2004	JM MICHAUD, SA COOKE, MCL GERRY
Kr	CuCl	mw	InC	43	3871	2004	JM MICHAUD, SA COOKE, MCL GERRY
Kr	H2	I	JCP	122	084320	'05	ARW McKELLAR
Kr	c-C7H5OOH	LIF	CPL	215	499	1993	H SEKIYA, T NAKAJIMA, H UJITA, T TSUJI, S ITO, Y NISHIMURA {tropolone}
Kr	CH3OCH3		JCPA	108	4224	2004	B VELINO, S MELANDRI, W CAMINATI
Kr	C6H2F2 {para}	TOF	JCP	115	10709	'01	SM BELLM, RJ MOULDS, WD LAWRANCE
Xe	Ag	E	JCP	103	9200	1995	LR BROCK, MA DUNCAN
Xe	HF		JCP	75	2041	1981	FA BAIOCCHI, TA DIXON, CH JOYNER, W KLEMPERER
Xe	HF	I	JCP	85	2502	1986	GT FRASER, AS PINE
Xe	HCl		JCP	70	5157	1979	KV CHANCE, KH BOWEN, JS WINN, W KLEMPERER
Xe	HCl		JCP	73	3523	1980	MR KEENAN, LW BUXTON, EJ CAMPBELL, TJ BALLE, WH FLYGARE
Xe	HCl	PE	JCP	94	4680	1991	T PRADEEP, MS HEGDE, CNR RAO
Xe	DCl	eqQ	PR	A24	818	1981	EJ CAMPBELL, LW BUXTON, MR KEENAN, WH FLYGARE
Xe	HCl	T	MP	100	151	2002	JM HUTSON, BJ HOWARD
Xe	HBr		CPL	94	73	1983	SG KUKOLICH, EJ CAMPBELL
Xe	CdCH3	E	COL		FB11	1991	AM ELLIS, ESJ ROBLES, TA MILLER
Xe	C6H6	E?	CPL	183	77	1991	T WEBER, E RIEDLE, HJ NEUSSER, EW SCHLAG
Xe	C6H6	m	JCP	101	9736	1994	TH BRUPBACHER, J MAKAREWICZ, A BAUDER
Xe	Cl2		JPC	95	5058	1991	CR BIELER, KE SPENCE, KC JANDA
Xe	Na	E?	JMSp	155	277	1992	P BRAUMANN, D ZIMMERMANN, R BRUHL
Xe	CO2	mw	JPC	97	357	1993	M IIDA, Y OHSHIMA, Y ENDO
Xe	CO	I	JMSp	159	210	1993	JWC JOHNS, Z LU, ARW McKELLAR
Xe	CO	mw	JCP	106	7519	1997	KA WALKER, T OGATA, W JAEGER, MCL GERRY, I OZIER
Xe	CO	I	MP	97	127	1999	MD BROOKS, ARW McKELLAR
Xe	CO	mm	JMSp	205	331	2001	KA WALKER, ARW McKELLAR
Xe	CS2	I				1993	TR DYKE, J CRUZAN, M WALSH
Xe	Br	E	JCP	103	9611	1995	JO CLEVENGER, J TELLINGHUISEN
Xe	NO2	mw	CPL	286	408	1998	CJ WHITHAM, RJ LOW, ..., BJ HOWARD
Xe	N2O	I	JMSp	189	235	1998	AW HERREBOUT, HB QIAN, ..., BJ HOWARD
Xe	NO	RTPI	JCP	109	4361	1998	P MACK, JM DYKE, DM SMITH, TG WRIGHT, H MEYER
Xe	c-C7H5OOH	LIF	CPL	215	499	1993	H SEKIYA, T NAKAJIMA, H UJITA, T TSUJI, S ITO, Y NISHIMURA {tropolone}
Xe	N2	mw	JCP	125	214310	'05	Q WEN, W JAEGER
Xe	CH4	mw	JCP	124	014301	'06	Q WEN, W JAEGER
Xe	H2O	mw	JPCA	110	7560	2006	Q WEN, W JAEGER
Xe	(H2O)2	mw	JPCA			2006	Q WEN, W JAEGER
Xe	CH3OCH3		CPC	4	881	2003	LB FAVERO, B VELINO, A MILLEMAGGI, W CAMINATI
Xe	CH3OCH3		CPL	392	1	2004	W CAMINATI, A MILLEMAGGI, JL ALONSO, A LESARRI, JC LOPEZ, S MATA
Xe	NH3	mw	JCP	128	204309	'08	Q WEN, W JAEGER
H2	H2	I	JCP	95	3081	1991	ARW McKELLAR, J SCHAEFER
H2	H2	T	JCP	112	4465	2000	P DIEP, JK JOHNSON
H2	B	E	JCP	104	8165	1996	X YANG, E HWANG, PJ DAGDIGIAN
H2	B	T	JCP	112	5722	2000	J WILLIAMS, MH ALEXANDER
H2	CN	E	JCP	109	5171	1998	Y CHEN, MC HEAVEN

H2	CN	T	JCP	110	10380	'99	AL KALEDIN, MC HEAVEN, JM BOWMAN
H2	Al	E	JCP	109	8920	1998	X YANG, PJ DAGDIGIAN
H2	Al	T	JCP	112	5722	2000	J WILLIAMS, MH ALEXANDER
H2	H2O	I	JCP	110	156	1999	MJ WEIDA, DJ NESBITT
H2	CH4	I	JCP	110	9989	1999	ARW McKELLAR, DA ROTH, I PAK, G WINNEWISSER
H2	Cl-	I	JCP	113	10154	'00	DA WILD, RL WILSON, PS WEISER, EJ BIESKE
D2	Cl-	I&T	JCP	115	824	2001	DA WILD, PS WEISER, EJ BIESKE, A ZEHNACKER
D2	Br-	I	JCP	115	6394	2001	DA WILD, PS WEISER, EJ BIESKE
H2	OCS	I	JCP	116	646	2002	J TANG, ARW McKELLAR
H2	OCS	mw	JCP	123	221106	'05	Z YU, KJ HIGGINS, W KLEMPERER, MC McCARTHY. P THADDEUS
H2	OCS	mw	JCP	127	054305	'07	Z YU, KJ HIGGINS, W KLEMPERER, MC McCARTHY. P THADDEUS, K LIAO, W JAEGER
H2	OCS	mw	MP	106	23	2008	JM MICHAUD, K LIAO, W JAEGER
H2	CN	E	CPL	347	199	2001	AL KALENDIN, MC HEAVEN
H2	HCCCN	mw	JPCA	115	9456	2011	JM MICHAUD, WC TOPIC, W JAEGER
H2	CuF	mw	InC	52	816	2013	DJ FROHMAN, GS GRUBBS II, Z YU, SE NOVICK
H2	AgCl	mw	JCP	141	114306	'14	GS GRUBBS II, DA OBENCHAIN, HM PICKETT, SE NOVICK
D2	CN	E	CPL	347	199	2001	AL KALENDIN, MC HEAVEN
HF	N2		JCP	76	292	1982	PD SOPER, AC LEGON, WG READ, WH FLYGARE
HF	N2 g-values		JCP	78	6515	1983	WG READ, EJ CAMPBELL
DF	N2		CPL	109	502	1984	AC LEGON, LC WILLOUGHBY
HF	N2	I	JCP	86	1098	1987	KW JUCKS, ZS HUANG, RE MILLER
HF	N2	I	JCP	86	3151	1987	CM LOVEJOY, DJ NESBIT
HF	N2	I	COL		WG02	1993	C LUASH, JM LISY
HF	N2	I	JPC	98	6068	1994	JT FARRELL Jr, O SNEH, DJ NESBITT
HF	N2 vib prediss	I	JCP	105	4385	1996	SN TSANG, C-C CHUANG, R MOLLAAGHABABA, W KLEMPERER, H-C CHANG
HF	N2	T	JCP	104	5883	1996	DE WOON, TH DUNNING Jr, KA PETERSON
HF	CO		JCP	73	583	1980	AC LEGON, PD SOPER, MR KEENAN, TK MINTON, TJ BALLE, WH FLYGARE
HF	CO		JCP	74	4944	1981	AC LEGON, PD SOPER, WH FLYGARE
HF	CO		CPL	94	69	1983	EJ CAMPBELL, WG READ, and ?
HF	CO g-values		JCP	78	6515	1983	WG READ, EJ CAMPBELL
HF	CO	I	Mar			1986	JW BEVAN
HF	CO	I	JCP	88	4147	1988	GT FRASER, AS PINE
HF	CO	I	JCP	86	6637	1987	KW JUCKS, RE MILLER
HF	CO	I	JCP	91	3335	1989	Z WANG, JW BEVAN
HF	CO	I	COL	93	WG02	1993	C LUASH, JM LISY
HF	CO diss E	VPre	JCP	113	4581	2000	L OUDEJANS, RE MILLER
HF	CO2		JCP	74	6544	1981	FA BAIOCCHI, TA DIXON, CH JOYNER, W KLEMPERER
HF	CO2 Zeeman		JCP	79	614	1983	JA SHEA, WG READ, EJ CAMPBELL
HF	CO2	I	JCP	86	5337	1987	CM LOVEJOY, MD SCHUDER, DJ NESBITT
HF	CO2	I	JCP	90	1330	1989	GT FRASER, AS PINE, RD SUENRAM, DC DAYTON, RE MILLER
HF	CO2		JCP	92	943	1990	SW SHARPE, YP ZENG, C WITTIG, RA BEAUDET
HF	CO2	I	JCP	93	7716	1990	DJ NESBIT, CM LOVEJOY
HF	CO2	IT	JCP	96	5712	1992	DJ NESBIT, CM LOVEJOY
HF	CO2	T	JCP	103	1263	1995	JS MUENTER
HF	CO2 distr mag	T	MP	96	1225	1999	AD BUCKINGHAM, Y TANTIRUNGROTECHAI
HF	N2O		JCP	74	6550	1981	CH JOYNER, TA DIXON, FA BAIOCCHI, W KLEMPERER
HF	N2O	I	JCP	87	1450	1987	CM LOVEJOY, DJ NESBITT JR
HF	N2O		CPL	141	12	1987	SG KUKOLICH, RE BUMGARNER, DJ PAULEY
HF	N2O	I	CPL	143	590	1988	DC DAYTON, RE MILLER
HF	N2O		CP	131	403	1989	SG KUKOLICH, DJ PAULEY
HF	N2O		JCP	90	3458	1989	SG KUKOLICH, DJ PAULEY
HF	N2O	I	JCP	90	4671	1989	CM LOVEJOY, DJ NESBITT
HF	N2O		Col			1989	SG KUKOLICH, DJ PAULEY, RE BUMGARNER
HF	N2O	I	JCP	93	183	1990	YP ZENG, SW SHARPE, D REIFSCHNEIDER, C WITTIG, RA BEAUDET
HF	N2O	mw	JMSp			2003	HO LEUNG, OM IBIDAPO, PI ABRUNA, MB BIANCHI
HF	H2CO		JCP	78	3509	1982	FA BAIOCCHI, W KLEMPERER
HF	H2CO		JMSp	123	167	1987	FJ LOVAS, RD SUENRAM, S ROSS, M KLOBUKOWSKI
HF	C6H6		JPC	87	2079	1983	FA BAIOCCHI, JH WILLIAMS, W KLEMPERER
HF	C2H6		JCP	75	2681	1981	LW BUXTON, PD ALDRICH, JA SHEA, AC LEGON, WH FLYGARE
HF	NCCN		JCP	74	4936	1981	AC LEGON, PD SOPER, WH FLYGARE
HF	NCCN	I	Col			1987	ZS HUANG, KW JUCKS, RE MILLER
HF	(CH2)3		JCP	75	2681	1981	LW BUXTON, PD ALDRICH, JA SHEA, AC LEGON, WH FLYGARE
HF	(CH2)3	I	CPL	153	285	1988	DC DAYTON, RE MILLER
HF	C2H4		JCP	76	4857	1982	JA SHEA, WH FLYGARE
HF	C2H4	I	JPC	92	46	1988	ZS HUANG, RE MILLER
HF	CH3CCH		JCP	80	4605	1984	JA SHEA, RE BUMGARNER, G HENDERSON
HF	H2O		JCSCC	130	341	1975	JW BEVAN, AC LEGON, DJ MILLEN, SC ROGERS
HF	H2O		PRSL	372	441	1980	JW BEVAN, Z KISIEL, AC LEGON, DJ MILLEN, SC ROGERS
HF	H2O		PRSL	381	419	1982	Z KISIEL, AC LEGON, DJ MILLEN
HF	H2O		CPL	92	333	1982	AC LEGON, LC WILLOUGHBY
HF	H2O		JCP	78	2910	1983	Z KISIEL, AC LEGON, DJ MILLEN
HF	H2O		JMSt	112	1	1984	Z KISIEL, AC LEGON, DJ MILLEN
HF	H2O		CPL	117	543	1985	G CAZZOLI, PG FAVERO, DG LISTER, AC LEGON, DJ MILLEN, Z KISIEL
HF	H2O		CPL	135	303	1987	AC LEGON, DJ MILLEN, HM NORTH

HF	H2O		T	JPCA	105	1163	2001	L ZHI-RU, W DI, L ZE-SHENG, H XU-RI, F-M TAO, S CHIA-CHUNG
HF	H2O		mm	JMSp	241	124	2007	SP BELOV, VM DEMKIN, NF ZOBOV, EN KARYAKIN, AF KRUPNOV, IN KOZIN, OL POLYANSKY, MYu TRETYAKOV
DF	D2O			JMSt	131	201	1985	Z KISIEL, AC LEGON, DJ MILLEN
HF	H2S			JCP	77	1166	1982	R VISWANATHAN, TR DYKE
HF	H2S			JCP	81	20	1984	LC WILLOUGHBY, AJ FILLERY-TRAVIS, AC LEGON
HF	ClF			JCP	65	5115	1976	SE NOVICK, KC JANDA, W KLEMPERER
HF	Cl2		I	CPL	212	298	1993	PA STOCKMAN, GA BLAKE
HF	HCN			CPL	41	137	1976	AC LEGON, DJ MILLEN, SC ROGERS
HF	HCN			JMSt	70	209	1978	AC LEGON, DJ MILLEN, SC ROGERS
HF	HCN			PRSL	370	213	1980	AC LEGON, DJ MILLEN, SC ROGERS
HF	HCN		R	FDCS	73	71	1982	AC LEGON, DJ MILLEN
HF	HCN			PRSL	401	327	1985	AC LEGON, DJ MILLEN, LC WILLOUGHBY
HF	HCN		I	CPL	124	579	1986	BA WOFFORD, JW BEVAN, WB OLSON, WJ LAFFERTY
HF	HCN		I	JCP	85	1283	1986	EK KYRO, M ELIADES, AM GALLEGOS, P SHOJA-CHAGERVAND, JW BEVAN
HF	HCN			CPL	129	489	1986	Z KISIEL, AC LEGON, DJ MILLEN, HM NORTH
HF	HCN		I	JCP	86	1225	1987	D BENDER, M ELIADES, DA DANZEISER, MW JACKSON, JW BEVAN
DF	DCN		I	JCP	86	2518	1987	MW JACKSON, BA WOFORD, JW BEVAN
HF	HCN		I	JCP	87	4478	1987	BA WOFFORD, SG LIEB, JW BEVAN
HF	HCN			CPL	141	493	1987	AC LEGON, DJ MILLEN, LC WILLOUGHBY
HF	HCN		I	CPL	143	181	1988	DC DAYTON, RE MILLER
HF	HCN		I	CP	150	217	1988	DC DAYTON, RE MILLER
HF	HCN		I	CPL	152	299	1989	BA WOFFORD, RS RAM, A QUINONEZ, JW BEFAN, WB OLSON, WJ LAFFERTY
HF	HCN		I	JCP	95	3980	1991	A QUINONES, RS RAM, JW BEVAN
HF	HCN		I	COL		RC6	1991	ERT KERSTEL, TF MENTEL, BH PATE, G SCOLES
HF	HCN		I	JCP	97	8896	1992	ERTH KERSTEL, H MEYER, KK LEHMANN, G SCOLES
HF	HCN		I	JMSt	413	167	1997	AL McINTOSH, AM GALLEGOS, RR LUCCHESE, JW BEVAN
HF	HCN		I	JCP	107	8327	1997	A McINTOSH, AM GALLEGOS, RR LUCCHESE, JW BEVAN
HF	HCN		T	JCP	115	6941	2001	SAC McDOWELL
HF	HNC		T	JCP	115	6941	2001	SAC McDOWELL
HF	HF			JCP	56	2442	1972	TR DYKE, BJ HOWARD, W KLEMPERER
HF	HF			JCP	81	5417	1984	BJ HOWARD, TR DYKE, W KLEMPERER
HF	HF			JMSp	123	434	1987	WJ LAFFERTY, RD SUENRAM, FJ LOVAS
HF	HF		I	JCP	78	2154	1983	AS PINE, WJ LAFFERTY
HF	HF		I	JCP	81	2939	1984	AS PINE, WJ LAFFERTY, BJ HOWARD
HF	HF		I	JCP	84	590	1986	AS PINE, BJ HOWARD
HF	HF			JCP	83	2070	1985	HS GUTOWSKY, C CHUANG, JD KEEN, TD KLOTS, T EMILSSON
HF	HF		I	Mar			1986	ZS HUANG, KW JUCKS, RE MILLER
HF	HF		T	FDCS	73	45	1982	AE BARTON, BJ HOWARD
HF	HF		T	JCP	85	6587	1986	MA SPARKMAN
HF	HF		M	JPC	93	5022	1989	EL SIBERT III
HF	HF		T	JCP	88	1786	1988	GC HANCOCK, DG TRUHLAR, CE DYKSTRA
HF	DF		I	JCP	91	633	1989	GT FRASER, AS PINE
HF	DF		I	JCP	104	9313	1996	JT FARRELL Jr, MA SUHM, DJ NESBITT
HF	HF		T	JCP	91	5154	1989	PR BUNKER, T CARRINTON JR, PC GOMEZ, MD MARSHALL, M KOFRANEK, H LISCHKA, A KARPFEN
DF	DF		T	JCP	91	5154	1989	PR BUNKER, T CARRINTON JR, PC GOMEZ, MD MARSHALL, M KOFRANEK, H LISCHKA, A KARPFEN
HF	HF			JMSp	141	204	1990	SP BELOV, EN KARYAKIN, IN KOZIN, AF KRUPNOV, OL POLYANSKY, MYu TRETYAKOV, NF ZOBOV, RD SUENRAM, WJ LAFFERTY
HF	HF		T	JCP	93	6266	1990	P JENSEN, PR BUNKER, A KARPFEN, M KOFRANEK, H LISCHKA
HF	HF		T	CPL	182	551	1991	SAC MCDOWELL, AD BUCKINGHAM
HF	HF		T	JMSp	148	385	1991	P JENSEN, PR BUNKER, A KARPFEN
HF	HF			JMSp	149	512	1991	PR BUNKER, P JENSEN, A KARPFEN
HF	HF		T	JMSp	150	511	1991	VC EPA, PR BUNKER
HF	HF			COL	92	WG08	1992	PR BUNKER, S ALTHORPE, D CLARY
HF	HF		I	COL	92	WG09	1992	EJ BOHAC, RE MILLER
HF	HF		I	JCP	97	5341	1992	MA SUHM, JT FARRELL Jr, A MCLLROY, DJ NESBITT
HF	HF	trans mom		JCP	98	5982	1993	C LAUSH, JM LISY, F HUISKEN, A KULCKE
HF	HF	nearI		JCP	98	9266	1993	HC CHANG, W KLEMPERER
HF	HF	nearI		JCP	100	1	1994	HC CHANG, W KLEMPERER
HF	HF		I	COL		WG01	1993	C LAUSH, F HUISKEN, A KULCKE, JM LISY
HF	HF		T	JCP	101	9793	1994	Z LATAJKA, Y BOUTEILLER
HF	DF predissoc		T	JCP	102	124	1995	DH ZHANG, Q WU, JZH ZHANG
HF	HF predissoc		T	JCP	102	4382	1995	M VON DIRKE, Z BACIC, DH ZHANG, JZH ZHANG
HF	DF dissociation			COL		RE11	1994	RJ BEMISH, M WU, EJ BOHAC, RE MILLER
HF	HF phot dissoc			COL	RE14		1994	R MOLLAAGHABABA, H CHANG, DD NELSON, W KLEMPERER
HF	HF		T	JCP	102	2315	1995	DH ZHANG, Q WU, JZH ZHANG, M VON DIRKE, Z BACIC
HF	HF tunneling		T	CPL	234	71	1995	M QUACK, MA SUHM
HF	HF		T	JCP	103	1263	1995	JS MUENTER
HF	HF		T	JCP	103	1498	1995	R BURCL, G CHALASINSKI, R BUKOWSKI, MM SZCZESNIAK
HF	HF		T	JCP	103	6051	1995	CL COLLINS, K MORIHASHI, Y YAMAGUCHI, HF SCHAEFER III
HF	HF		T	CPL	248	182	1996	WC NECOEHEA, DG TRULAR
HF	HF		T	JCP	103	8043	1995	J LANGLET, J CAILLET, M CAFFAREL

HF	HF		I	JCP	104	6225	1996	DT ANDERSON, S DAVIS, DJ NESBITT
HF	HF tunneling		T	JCP	104	7830	1996	H-C CHANG, W KLEMPERER
DF	DF		I	JCP	104	8197	1996	S DAVIS, DT ANDERSON, JT FARRELL Jr, DJ NESBITT
HF	HF		I	JCP	105	4488	1996	DT ANDERSON, S DAVIS, DJ NESBITT
DF	DF		I	JCP	105	6645	1996	S DAVIS, DT ANDERSON, DJ NESBITT
HF	HF		T	JMSt	422	143	1998	E KAPUY, C KOZMUTZA
HF	HF		T	JCP	108	4413	1998	BL GRIGORENKO, AV NEMUKHIN, VA APKARIAN
HF	HF pe surface		T	JCP	108	100961	1998	W KLOPPER, M QUACK, MA SUHM
HF	HF		T	JCP	110	2354	1999	XT WU, AB McCOY, EF HAYES {rot-vib}
HF	HF		T	JCP	110	2365	1999	XT WU, EF HAYES, AB McCOY {rot-vib}
HF	HF diss		T	CPL	321	135	2000	M MLADENOVIC, M LEWERENZ
HF	HF		T	JCP	119	286	2003	GWM VISSERS, GC GROENENBOOM, A van der AVOIRD
HF	HF		T	JPCA	105	1163	2001	L ZHI-RU, W DI, L ZE-SHENG, H XU-RI, F-M TAO, S CHIA-CHUNG
HF	HF		T	JCP	115	2926	2001	C-Y PARK, Y KIM, Y KIM
HF	HF-		PE	JCP	107	2962	1997	JH HENDRICKS, HL DE CLERCQ, SA LYAPUSTINA, KH BOWEN Jr
HF	HF-		T	JCP	107	2968	1997	M GUTOWSKI, P SKURSKI
HF	HF-		T	JPCA	106	400	2002	A RAUK, DA ARMSTRONG {XH HX-, X = F, Cl, Br}
HF	(HF)2		I	JCP	88	5995	1987	KD KOLENBRANDER, CE DYKSTRA, JM LISY
HF	(HF)2		T	JCP	106	9627	1997	GS TSCHUMPER, Y YAMAGUCHI, HF SCHAEFER III
HF	(HF)2 vib		T	JCP	115	9781	2001	X-G WANG, T CARRINGTON Jr
DF	(DF)2		I	JCP	98	5985	1993	MA SUHM, JT FARRELL Jr, SH ASHWORTH, DJ NESBITT
DF	(DF)2 vib		T	JCP	115	9781	2001	X-G WANG, T CARRINGTON Jr
HF	(HF)2 -		T	JCP	107	9475	1997	R RAMAEKERS, DMA SMITH, J SMETS, L ADAMOWICZ
HF	(HF)3 -		T	JCP	107	9475	1997	R RAMAEKERS, DMA SMITH, J SMETS, L ADAMOWICZ
HF	(HF)3		I	JCP	113	707	2000	TA BLAKE, SW SHARPE, SS XANTHEAS
HF	(HF)n		T	JPC	94	180	1990	CE DYKSTRA
HF	(HF)n		I	JCP	103	5366	1995	F HUISKEN, M KALOUDIS, A KULCKE, C LAUSH, JM LISY
HF	(HF)4,5,6		D	JCP	113	971	2000	L OUDEJANS, RE MILLER
HF	F		T	JCP	112	592	2000	M MEUWLY, JM HUDSON
HF	Cl2			JCP	77	1632	1982	FA BAIOCCHI, TA DIXON, W KLEMPERER
HF	HCl			JCP	67	5162	1977	KC JANDA, JM STEED, SE NOVICK, W KLEMPERER
HF	HCl		I	JCP	91	637	1989	GT FRASER, AS PINE
HF	HCl phot dissoc			COL		RE14	1994	R MOLLAAGHABABA, H CHANG, DD NELSON, W KLEMPERER
HF	C2H2			JCP	76	2238	1982	WG READ, WH FLYGARE
HF	C2H2		I	JCP	86	6059	1986	ZS HUANG, RE MILLER
HF	C2H2		I	JCP	90	1478	1989	ZS HUANG, RE MILLER
HF	C2H2		IT	JCP	110	197	1999	DT MOORE, L OUDEJANS, RE MILLER
HF	C2H2		D	JCP	110	209	1999	L OUDEJANS, DT MOORE, RE MILLER
HF	CH3CN			PRSL	370	239	1980	JW BEVAN, AC LEGON, DJ MILLEN, SC ROGERS
HF	CH3CN			JMSt	67	29	1980	AC LEGON, DJ MILLEN, SC ROGERS
HF	CH3CN			JPC	85	3440	1981	PD SOPER, AC LEGON, WG READ, WH FLYGARE
HF	CH3CN		T	FT2	82	1189	1986	P COPE, DJ MILLEN, AC LEGON
HF	CH3CN			FT2	82	1197	1986	P COPE, DJ MILLEN, LC WILLOUGHBY, AC LEGON
HF	CH3CN			JCP	86	2530	1987	AC LEGON, DJ MILLEN, HM NORTH
HF	(CH3)3CCN			PRSL	370	257	1980	AS GEORGIOU, AC LEGON, DJ MILLEN
HF	Kr			CP	54	173	1981	LW BUXTON, EJ CAMPBELL, MR KEENAN, TJ BALLE, WH FLYGARE
HF	PH3			CP	74	127	1983	AC LEGON, LC WILLOUGHBY
HF	PH3		R	JPC	87	2064	1983	AC LEGON
HF	PH3		T	CP	276	263	2002	SX TIAN, XX CHI, KZ XU
HF	OCS	Zeeman		JCP	79	614	1983	JA SHEA, WG READ, EJ CAMPBELL
HF	OCS			JMSt	131	159	1985	AC LEGON, LC WILLOUGHBY
HF	OCS		I	JCP	90	1330	1989	GT FRASER, AS PINE, RD SUENRAM, DC DAYTON, RE MILLER
HF	OCS		I	COL	93	WG03	1993	TA HU, SW SHARPE
HF	NH3		mw	JACS	125	13850	'03	SW HUNT, KJ HIGGINS, MB CRADDOCK, CS BRAUER, KR LEOPOLD
(HF)2	NH3		mw	JACS	125	13850	'03	SW HUNT, KJ HIGGINS, MB CRADDOCK, CS BRAUER, KR LEOPOLD
HF	(CH2)2O			JMSt	69	69	1980	AS GEORGIOU, AC LEGON, DJ MILLEN
HF	(CH2)2O			PRSL	373	511	1981	AS GEORGIOU, AC LEGON, DJ MILLEN
HF	c-(CH2)4O		mw	JCP	113	2760	2000	JL ALONZO, JC LOPEZ, S BLANCO, A LESARRI, FJ LORENZO {tetrahydrofuran}
HF	SO2			CPL	123	4	1986	AJ FILLERY-TRAVIS, AC LEGON
HF	SO2			JCP	85	3180	1986	AJ FILLERY-TRAVIS, AC LEGON
HF	HI			JCP	86	1083	1987	RE BUMGARNER, SG KUKOLICH
HF	B2H6			JCP	85	683	1986	HS GUTOWSKY, T EMILSSON, JD KEEN, TD KLOTS, C CHUANG
HF	H2		I	JCP	87	5629	1987	KW JUCKS, RE MILLER
HF	H2		I	JCP	87	5621	1987	CM LOVEJOY, DD NELSON Jr, DJ NESBITT
HF	D2		I	JCP	89	7180	1988	CM LOVEJOY, DD NELSON Jr, DJ NESBITT
HF	H2		T	JCP	93	6334	1990	DC CLARY, PJ KNOWLES
HF	H2		D	JCP	98	2604	1993	EJ BOHAC, RE MILLER
HF	D2		D	JCP	98	2604	1993	EJ BOHAC, RE MILLER
HF	HCCCN			PRSL	394	387	1984	K GEORGIOU, AC LEGON, DJ MILLEN, HM NORTH, LC WILLOUGHBY
HF	HCCCN			JCP	86	2530	1987	AC LEGON, DJ MILLEN, HM NORTH
HF	HCCCN		I	JCP	99	760	1993	X YANG, ERTH KERSTEL, G SCOLES
HF	(CH2CH)2O			JMSt			1988	RA COLLINS, DJ MILLEN, AC LEGON
HF	CH2CCH2		I	JPC	92	46	1988	ZS HUANG, RE MILLER
HF	CH2CCH2			CPL	143	214	1988	AC LEGON, LC WILLOUGHBY

HF	CH2CCH	M	CPL	176	446	1991	Z KISIEL, PW FOWLER, AC LEGON
HF	NO	I	JCP	93	2992	1990	WM FAWZY, GT FRASER, JT HOUGEN, AS PINE
HF	NO	mw	CPL	282	421	1998	CR DENNIS, CJ WHITHAM, R LOW, BJ HOWARD
HF	NO	T	JCP	115	1355	2001	CR DENNIS, CJ WHITHAM, BJ HOWARD
HF	NO	mw	JCP	115	1367	2001	CR DENNIS, CJ WHITHAM, BJ HOWARD
HF	(CH3)3N	M	CPL	154	468	1989	AC LEGON, CA REGO
HF	HCH thermo		JCSFT	87	443	1991	SLA ADEBAYO, AC LEGON, DJ MILLEN
HF	CH3CN thermo		JCSFT	87	443	1991	SLA ADEBAYO, AC LEGON, DJ MILLEN
HF	HC2CN thermo		JCSFT	87	443	1991	SLA ADEBAYO, AC LEGON, DJ MILLEN
HF	(CH3)3CCN thermo		JCSFT	87	443	1991	SLA ADEBAYO, AC LEGON, DJ MILLEN
HF	H2O thermo		JCSFT	87	443	1991	SLA ADEBAYO, AC LEGON, DJ MILLEN
HF	BF3	mw	JACS	117	125491995		JA PHILLIPS, M CANAGARATNA, H GOODFRIEND, A GRUSHOW, J ALMLOF, KR LEOPOLD
HF	CH4	mw	CPL	173	107	1990	AC LEGON, BP ROBERTS, AL WALLWORK
HF	CH2C3H4	mw	CPL	232	187	1995	Z KISIEL, PW FOWLER, AC LEGON {methylenecyclopropane}
HF	SO3	mw	JMSp	192	338	1998	M CANAGARATNA, JA PHILLIPS, H GOODFRIEND, KR LEOPOLD
HF	c-(CH2)4S	mw	CPL	288	760	1998	ME SANZ, JC LOPEZ, ..., JL ALONSO {tetrahydrothiophene}
HF	c-(CH)4S	mw	CPL	291	269	1998	SA COOKE, GK CORLETTE, ..., AC LEGON {thiophene}
HF	(CH3)2O	I	CP	256	195	2000	P AUSSELIN, P SOULARD, ..., JP PERCHARD {dimethylether}
HF	c-(CH2)3O	mw	CPL	342	31	2001	MESANZ, VM SANZ, JC LOPEZ, JL ALONSO {oxetane}
HF	CH3OCH3	mw	CPC	5	336	2004	P OTTAVIANI, A MARIS, W CAMINATI, J ALONSO {dimethylether}
HF	ClFCCH2	mw	JMSp			2011	HO LEUNG, MD MARSHALL, AT BOZZI, PM COHEN, M LAM {1chloro1fluoroethylene}
HF	PH3	T	CP	276	263	2002	SX TIAN, XX CHI, KZ XU
HF	CH2CHCl	mw	JPCA			2014	HO LEUNG, MD MARSHALL {vinyl chloride}
HF	O2	mw	JCP	127	204315	2007	S WU, G SEDO, EM GRUMSTRUP, KR LEOPOLD
HCl	N2		JCP	79	57	1983	RS ALTMAN, MD MARSHALL, W KLEMPERER
DCl	N2		CPL	149	57	1988	NW HOWARD, AC LEGON
HCl	N2	I	JMSp	161	542	1993	ARW MCCKELLAR, Z LU
DCl	N2	I				1994	YP ZENG, RA BEAUDET
HCl	N2	I	MP	91	123	1997	M BROQUIER, M CHEVALIER, A PICARD-BERSELLINI
HCl	N2	mw	CPL	276	202	1997	Z KISIEL, L PSZCZOLKOWSKI, PW FOWLER, AC LEGON
HCl	CO		JCP	73	583	1980	AC LEGON, PD SOPER, MR KEENAN, TK MINTON, TJ BALLE, WH FLYGARE
HCl	CO		JCP	74	2138	1981	PD SOPER, AC LEGON, WH FLYGARE
HCl	CO g-values		JCP	78	6515	1983	WG READ, EJ CAMPBELL
HCl	CO		JCP	79	52	1983	RS ALTMAN, MD MARSHALL, W KLEMPERER
HCl	CO		CPL	161	6	1989	Z WANG, M ELIADER, JW BEVAN
HCl	CO	I	JMSp	161	542	1993	ARW MCCKELLAR, Z LU
DCl	CO	I				1994	YP ZENG, RA BEAUDET
HCl	CO2		JCP	77	4344	1982	RS ALTMAN, MD MARSHALL, W KLEMPERER
HCl	CO2 Zeeman		JCP	79	614	1983	JA SHEA, WG READ, EJ CAMPBELL
HCl	CO2		JCP	92	943	1990	SW SHARPE, YP ZENG, C WITTIG, RA BEAUDET
HCl	CO2	T	JCP	103	1263	1995	JS MUENTER
HCl	CO2	I	JCP	105	8515	1996	L OUDEJANS, D OLSON, RE MILLER
HCl	OCS		FT2	81	1709	1985	EJ GOODWIN, AC LEGON
HCl	OCS	I	COL	93	WG03	1993	TA HU, SW SHARPE
HCl	OCS	I	JCP	105	8515	1996	L OUDEJANS, D OLSON, RE MILLER
HCl	C2H2		JCP	75	625	1981	AC LEGON, PD ALDRICH, WH FLYGARE
HCl	C2H2	ID	JCP	96	8616	1992	Y RUDICH, R NAAMAN
HCl	C2H2	IT	JCP	113	4876	2000	P CARACABAL, M BROQUIER, P MILLIE
HCl	C2H4		JCP	75	2126	1981	PD ALDRICH, AC LEGON, WH FLYGARE
HCl	C2H4		JCP	79	1105	1983	SG KUKOLICH, PD ALDRICH, WG READ, EJ CAMPBELL
HCl	C6H6		JCP	78	3501	1983	WG READ, EJ CAMPBELL, G HENDERSON
HCl	C6H6		JACS	103	7670	1981	WG READ, EJ CAMPBELL, G HENDERSON, WH FLYGARE
HCl	C6H6	ED	JCP	93	6977	1990	AJ GOTCH, TS ZWIER
HCl	C6H5F	mw	JCP	118	9278	2003	ME SANZ, S ANTOLINEZ, JL ALONSO, JC LOPEZ, RL KUCZKOWSKI, SA PEEBLES, RA PEEBLES, FC BOMAN, E KRAKA, D CREMER
HCl	C6H5CH3	ED	JCP	93	6977	1990	AJ GOTCH, TS ZWIER
HCl	(CH)4O		JACS	104	4999	1982	JA SHEA, SG KUKOLICH
HCl	(CH)4O		JCP	78	3545	1983	JA SHEA, SG KUKOLICH
HCl	(CH2)2O		JCP	97	3050	1992	AC LEGON, CA REGO, AL WALLWORK {oxirane}
HCl	(CH2)2S		CP	198	119	1995	CM EVANS, AC LEGON {thiirane}
HCl	(CHCH2)2O	mw	CPL	227	472	1994	AC LEGON, JC THORN {2,5-dihydrofuran}
HCl	c-(CH2)3O	mw	CPL	323	130	2000	S ANTOLINEZ, JC LOPEZ, JL ALONSO {cyclobutanone}
HCl	c-(C5H8)O	mw	CEJ	6	3345	2000	S ANTOLINEZ, A LESARRI, JC LOPEZ, JL ALONSO {cyclopentene oxide}
HCl	c-(C6H10)O	mw	JMSt	780	57	2006	R SANCHEZ, S BLANCO, JC LOPEZ, JL ALONSO {cyclohexene oxide}
HCl	Hg		JCP	79	4082	1983	EJ CAMPBELL, JA SHEA
HCl	Hg		JCP	81	5326	1984	JA SHEA, EJ CAMPBELL
HCl	(CH2)3		JACS	102	7584	1980	AC LEGON, PD ALDRICH, WH FLYGARE
HCl	(CH2)3		JACS	104	1486	1982	AC LEGON, PD ALDRICH, WH FLYGARE
HCl	(CH2)3		JACS	105	5569	1983	PD ALDRICH, SG KUKOLICH, EJ CAMPBELL, WG READ
HCl	(CH2CH2CH)CH3		JPC	98	2050	1994	SE FOREST, AM ANDREWS, RL KUCZKOWSKI {methylcyclopropane}
HCl	(CH2CH2CH)CH3 I		JPCA	105	9058	2001	GP EVERAERT, WA HERREBOUT, BJ van der VEKEN {methylcyclopropane}
HCl	PH3		JCSCC		997	1982	AC LEGON, LC WILLOUGHBY
HCl	H2O		CPL	95	449	1983	AC LEGON, LC WILLOUGHBY

HCl	H2O	T	JPCA	105	8323	2001	GM CHABAN, RB GERBER, KC JANDA
(HCl)2	(H2O)2	T	JPCA	105	8323	2001	GM CHABAN, RB GERBER, KC JANDA
HCl	(H2O)n n=1-5	T	JCP	109	973	1998	S RE, Y OSAMURA, Y SUZUKI, HF SCHAEFER III
HCl	(H2O)2 dipole	mw	CPL	325	523	2000	Z KISIEL, J KOSAREWSKI, BA PIETREWICZ, L PSZCZOLKOWSKI
HCl	(H2O)2	mw	JCP	112	5767	2000	Z KISIEL, E BIALKOWSKA-JAWORSKA, L PSZCZOLKOWSKI, A MILET, C STRUNIEWICZ, R MOSZYNSKI, J SADLEJ {noted twice}
HCl	(H2O)2 tunn	T	CPL	343	588	2001	C STRUNIEWICZ, T KORONA, R MOSZYNSKI, A MILET
HCl	(H2O)2 vib-rot	T	JCP	115	3604	2001	PES WORMER, GC GROENENBOOM, A VANDERAVOIRD
HCl	(H2O)2	T	CP	271	267	2001	A MILET, C STRUNIEWICZ, R MOSYNSKI, J SADLEJ, Z KISIEL, E BAILKOWSKA-JAWORSKA, L PSZCZOLKOWSKI
HCl	CH3OH		CPL	112	59	1984	P COPE, AC LEGON, DJ MILLEN
HCl	CH3OH	mw	JMSt	356	105	1995	XQ TAN, II IOANNOU, RL KUCZKOWSKI
HCl	CH3OCH3	I	CPL	268	265	1997	P ASSELIN, B DUPUIS, JP PERCHARD, P SOULARD
HCl	CH3OCH3	I	CP	249	73	1999	P ASSELIN, P SOULARD, ..., JP PERCHARD
HCl	CH3OCH3	mm	CPL	394	262	2004	P OTTAVIANI, W CAMINATI, B VELINO, JC LOPEZ
HCl	HCl	I	JCP	81	73	1984	N OHASHI, AS PINE
HCl	HCl	I	JCP	84	590	1986	AS PINE, BJ HOWARD
HCl	HCl	I	JCP	89	6577	1988	GA BLAKE, KL BUSAROW, RC COHEN, KB LAUGHLIN, YT LEE, RJ SAYKALLY
HCl	HCl	I?	CPL	153	291	1988	A FURLAN, S WOLFERT, S LEUTWYLER
HCl	HCl	I	JCP	91	4418	1989	MD SCHUDER, CM LOVEJOY, DD NELSON JR., DJ NESBITT
DCl	DCl	I	JCP	91	4418	1989	MD SCHUDER, CM LOVEJOY, DD NELSON JR., DJ NESBITT
HCl	HCl	I	JCP	91	7300	1989	GA BLAKE, RE BUMGARNER
HCl	DCl	I	JCP	100	7250	1994	MD SCHUDER, DJ NESBITT
HCl	HCl	T	CP	149	299	1991	A KARPFEN, PR BUNKER, P JENSEN
HCl	HCl	T	CPL	180	594	1991	P JENSEN, MD MARSHALL, PR BUNKER, A KARPFEN
HCl	HCl	T	JMSp	146	200	1991	PR BUNKER, VC EPA, P JENSEN, A KARPFEN
HCl	HCl	T	JMSp	166	354	1994	PC GOMEZ, PR BUNKER, A KARPFEN, H LISCHKA
HCl	HCl	I	JCP	99	4346	1993	MD SCHUDER, CM LOVEJOY, R LASCOLA, DJ NESBITT
DCl	DCl near	I	JCP	99	5045	1993	MJ SCHUDER, DD NELSON Jr, DJ NESBITT
HCl	HCl	I	JCP	101	4593	1994	RF MEADS, AL MCINTOSH, JI ARNO, CL HARTZ, RR LUCCHESE, JW BEVAN
HCl	DCl	mw	MP			1995	BJ HOWARD
HCl	HCl dynamics	T	JCP	103	921	1995	MJ ELROD, RJ SAYKALLY
HCl	HCl PES fit	T	JCP	103	933	1995	MJ ELROD, RJ SAYKALLY
HCl	HCl	T	JCP	103	950	1995	FM TAO, W KLEMPERER
HCl	HCl	T	JCP	103	1263	1995	JS MUENTER
HCl	HCl	T	JCP	106	2158	1997	Y QIU, Z BACIC
HCl	HCl	T	CP	220	63	1997	AW MEREDITH, LMING, S NORDHOLM
HCl	HCl	I	JCP	108	9614	1998	K LIU, M DULLIGAN, I BEZEL, A KOLESSOV, C WITTIG
HCl	HCl	T	JCP	108	4808	1998	Y QIU, JZH ZHANG, Z BACIC
HCl	HCl	T	JCP	108	8870	1998	X SUN, WH MILLER
HCl	HCl focusing		JCP	110	355	1999	K IMURA, T KASAI, H OHOYAMA, R NAAMAN
HCl	HCl dipole	T	JCP	110	359	1999	R NAAMAN, Z VAGER
HCl	HCl	VPre	JCP	113	3055	2000	H NI, JM SERAFIN, JJ VALENTINI
HCl	HCl	I	JCP	116	6132	2002	M FARNIK, S DAVIS, MD SCHUDER, DJ NESBITT
HCl	(HCl)2	I	JCP	100	7101	1994	J HAN, Z WANG, AL MCINTOSH, RR LUCCHESE, JW BEVAN
HCl	H2S		FT2	80	51	1984	EJ GOODWIN, AC LEGON
HCl	SO2		CPL	123	4	1986	AJ FILLERY-TRAVIS, AC LEGON
HCl	BF3		JCP	85	4261	1986	JM LOBUE, JK RICE, TA BLAKE, SE NOVICK
HCl	H2CO		JMSp	126	200	1987	GT FRASER, CW GILLES, J ZOZOM, FJ LOVAS, RD SUENRAM
HCl	H2CO	mw	JCSFT	92	2677	1996	AC LEGON
HCl	HCN		JCP	76	2267	1982	AC LEGON, EJ CAMPBELL, WH FLYGARE
HCl	HCN		CP	76	225	1983	EJ CAMPBELL, SG KUKOLICH
HCl	HCN	I	Mar			1986	JW BEVAN
HCl	HCN	I	JMSp	147	359	1991	PA BLOCK, RE MILLER
HCl	NH3		CPL	131	319	1986	EJ GOODWIN, NW HOWARD, AC LEGON
HCl	NH3		JCP	88	4694	1988	NW HOWARD, AC LEGON
HCl	NH3	T	JPCA	105	8323	2001	GM CHABAN, RB GERBER, KC JANDA
(HCl)2	(NH3)2	T	JPCA	105	8323	2001	GM CHABAN, RB GERBER, KC JANDA
HCl	B2H6		JCP	95	1552	1991	C CHUANG, TD KLOTS, RS RUOFF, T EMILSSON, HS GUTOWSKY
HCl	CH3CN		JPC	91	5210	1987	AC LEGON, DJ MILLEN, HM NORTH
HCl	CH3CN	I	JPC	95	660	1991	L BALLARD, G HENDERSON
HCl	CH3CN	T?	JPC	95	5387	1991	JE DELBENE, HD METTEE, I SHAVITT
HCl	CH3NC		JACS	114	8177	1992	AC LEGON, DG LISTER, HE WARNER
HCl	CH3NH2		JCSFT	89	1173	1993	AC LEGON, CA REGO
HCl	N(CH3)3	M	JCP	90	6867	1989	AC LEGON, CA REGO
HCl	P(CH3)3	M	JCSFT	86	1915	1990	AC LEGON, CA REGO
HCl	N2O	IM	JCP	93	183	1990	YP ZENG, SW SHARPE, D REIFSCHNEIDER, C WITTIG, RA BEAUDET
HCl	N2O	M	JCP	94	899	1991	DJ PAULEY, MA ROEHRIG, L ADAMOWICZ, JC SHEA, ST HAUBRICH, SG KUKOLICH
HCl	N2O	mw	JCP	121	237	2004	HO LEUNG, WT CASHION, KK DUCAN, CL HAGAN, S JOO
HCl	CH4	mw	CPL	173	107	1990	AC LEGON, BP ROBERTS, AL WALLWORK
HCl	CH4	M	JCP	93	6256	1990	Y OHSHIMA, Y ENDO
HCl	CH2CHCCH	M	JCP	93	6249	1990	Z KISIEL, PW FOWLER, AC LEGON, D DEVANNE, P DIXNEUF
HCl	(CH2)2CCH2	mw	JCP	101	4635	1994	Z KISIEL, PW FOWLER, AC LEGON
HCl	CH2CHF	M	JCP	93	3054	1990	Z KISIEL, PW FOWLER, AC LEGON

HCl	CH2CF2		JCSFT	88	3385	1992	AC LEGON, JC THORN
HCl	CH2CHCH2F	IT	JPCA	104	5222	2000	Z ARP, WAHERREBOUT, ..., BJ van der VERKEN {3-fluoropropene}
HCl	SO3	mw	JMSp	192	338	1998	M CANAGARATNA, JA PHILLIPS, H GOODFRIEND, KR LEOPOLD
DCl	O2	I	?	?	?	1994?	YS LIN, RA BEAUDET
HCl	H2	IT	COL	TL03		1995	DT ANDERSON, M SCHUDER, DJ NESBITT
HCl	ClO	T	CP	219	201	1997	S ALOISIO, JS FRANCISCO
HCl	NO	IT	CP	237	265	1998	L KRIM, ME ALIKHANI
HCl	c-C6H10O	mw	JMSt	780	57	2006	R SANCHEZ, S BLANCO, JC LOPEZ, JL ALONSO {cyclohexene oxide}
(HCl)2	H2O	mw	PCCP	13	13912	2011	Z KISIEL, A LESARRI, JL NEILL, MT MUCKLE, BH PATE
HBr	CO		JCP	73	583	1980	AC LEGON, PD SOPER, MR KEENAN, TK MINTON, TJ BALLE, WH FLYGARE
HBr	CO		PNAS	77	5583	1980	MR KEENAN, TK MINTON, AC LEGON, TJ BALLE, WH FLYGARE
HBr	CO	I	CPL	167	49	1990	Z WANG, JW BEVAN
HBr	HBr	T	JCP	103	1263	1995	JS MUENTER
HBr	DBr	mw	JCP	106	6240	1997	W CHEN, AR HIGHT WALKER, SE NOVICK, F-M TAO
HBr	HBr	IT	JCP	120	10426	'04	J CASTILLO-CHARA, AL McINTOSH, Z WANG, RR LUCCHESE, JW BEVAN
HBr	PH3		JCSCC		997	1982	AC LEGON, LC WILLOUGHBY
HBr	PH3		JPC	87	2085	1983	LC WILLOUGHBY, AC LEGON
HBr	HCN		JCP	78	3494	1982	EJ CAMPBELL, AC LEGON, WH FLYGARE
DBr	HCN		CPL	140	315	1987	AC LEGON
HBr	HCN	I	JMSp	147	359	1991	PA BLOCK, RE MILLER
HBr	H2S		JMSt	145	261	1986	AI JAMAN, AC LEGON
HBr	NH3		JCP	86	6722	1987	NW HOWARD, AC LEGON
HBr	H2O	M	CPL	150	153	1988	AC LEGON, AP SUCKLEY
HBr	(H2O)2 dipole	mw	CPL	325	523	2000	Z KISIEL, J KOSAREWSKI, BA PIETREWICZ, L PSZCZOLKOWSKI
HBr	N2	M	JCP	90	672	1989	NW HOWARD, AC LEGON
HBr	N2	mw	APPA	101	231	2002	Z KISIEL, BA PIETREWICZ, L PSZCOLKOWSKI
HBr	N(CH3)3	M	JCP	92	6397	1990	AC LEGON, AL WALLWORK, CA REGO
HBr	CO2	M	JCP	92	943	1990	SW SHARPE, YP ZENG, C WITTIG, RA BEAUDET
HBr	CO2	I	JCP	97	5392	1992	YP ZENG, SW SHARPE, SK SHIN, C WITTIG, RA BEAUDET
HBr	CO2		Col			1990	JK RICE, RD SUENRAM, FJ LOVAS, GT FRASER, WJ LAFFERTY
HBr	CO2	T	JCP	103	1263	1995	JS MUENTER
HBr	CO2	mw	JCP	103	3877	1995	JK RICE, FJ LOVAS, GT FRASER, RD SUENRAM
HBr	OCS	I	COL	93	WG03	1993	TA HU, SW SHARPE
HBr	OCS	mw	JCP	102	7298	1995	AR HIGHT WALKER, W CHEN, SE NOVICK, BD BEAN, MD MARSHALL
HBr	N2O	IM	JCP	93	183	1990	YP ZENG, SW SHARPE, D REIFSCHNEIDER, C WITTIG, RA BEAUDET
HBr	N2O	T	CPL	349	329	2001	A OKANO, H OHOYAMA, T KASAI
HBr	N2O	focusing	JCP	116	1325	2002	A OKANO, H OHOYAMA, T KASAI
HBr	(CH2)2O		JCSFT	86	3975	1990	AC LEGON, AL WALLWORK
HBr	C6H6	mw	CPL	272	61	1997	SA COOKE, GK CORLETT, CM EVANS, AC LEGON
HBr	SO3	mw	JMSp	192	338	1998	M CANAGARATNA, JA PHILLIPS, H GOODFRIEND, KR LEOPOLD
HI	(CH3)3N		JCP	99	1463	1993	AC LEGON, CA REGO
HI	H2O	mw	CPL	314	57	1999	A MCINTOSH, T WALTHER,..., AC LEGON
N2	O3	mw	JMSp	199	205	2000	JP CONNELLY, M MEUWLY, AR AUTY, BJ HOWARD
N2	SO2	mw	JMSp	199	205	2000	JP CONNELLY, M MEUWLY, AR AUTY, BJ HOWARD
N2	SO3		JCP	73	137	1980	KH BOWEN, KR LEOPOLD, KV CHANCE, W KLEMPERER
N2	SO3	mw	JMSp			2003	MB CRADDOCK, CS BRAUER, KJ HIGGINS, KR LEOPOLD
N2	HCN		JCP	82	4434	1985	EJ GOODWIN, AC LEGON
N2	NH3		JCP	84	2472	1986	GT FRASER, DD NELSON, KI PETERSON, W KLEMPERER
N2	NH3	mm	MP	99	1391	2001	KA WALKER, ARW McKELLAR
N2	NH3	mw	JCP	149	224035	'18	L SURIN, I TARABUKIN, C PEREZ, MSCHNELL
N2	BF3		JACS	100	8074	1978	KC JANDA, LS BERNSTEIN, JM STEED, SE NOVICK, W KLEMPERER
N2	HCCH	I	????			????	JS MUENTER
N2	HCCH		CPL	184	175	1991	AC LEGON, AL WALLWORK, PW FOWLER
N2	HCCH	I	JMSp	158	306	1993	RD BECK, AG MAKI, SH TSENG, RO WATTS
N2	DCCH	I	JMSp	204	148	2000	I HUNIG, L OUDEJANS, RE MILLER
N2	N2O	M	FDCS	86	21	1988	RW RANDALL, TR DYKE, BJ HOWARD
N2	N2O	mw	JCP	110	4394	1999	HO LEUNG {15^N2}
N2	CO2	I	JMSt	189	111	1988	MA WALSH, TR DYKE, BJ HOWARD
N2	CO2	mw	JCP	133	244303	'10	DJ FROHMAN, ES CONTRERAS, RS FIRESTONE, SE NOVICK, W KLEMPERER
N2	C6H6	E	Col			1990	AM SMITH, TH WEBER, E RIEDLE, HJ NEUSSER, EW SCHLAG
N2	C6H6		CPL	184	21	1991	Y OHSHIMA, H KOHGUCHI, Y ENDO
N2	CH3CCH	mI	JCP	100	3407	1994	FJ LOVAS, PW FOWLER, Z KISIEL, SH TSENG, RD BECK, DF EGGERS, TA BLAKE RO WATTS
N2	CH3CCH	mI	JMSp	182	132	1997	S-H TSENG, DF EGGERS, TA BLAKE, R BECK, RO WATTS, FJ LOVAS, N ZOBOV
N2	In	E	JCP	102	9498	1995	LR BROCK, MA DUCAN
N2	C5H5 {cpd rad}	E	JCP	103	4447	1995	S SUN, ER BERNSTEIN
N2	OCS hypf & tun	mw	JMSp	175	85	1996	JP CONNELLY, SP DUXON, SK KENNEDY, BJ HOWARD, JS MUENTER
N2	C6H4F2	E	COL	TH06		1995	Q JU, CS PARMENTER, BD GILBERT
N2	SiF4	I	JMSt	413	511	1997	R-D URBAN, G ROUILLE, M TAKAMI
N2	N2	T	CPL	281	212	1998	JR STALLCOP, H PARTRIDGE
N2	N2	T	JCP	109	9434	1998	A WADA, H KANAMORI, S IWATA
N2	N2	T	CPL	306	71	1999	O COURONNE, Y ELLINGER
N2	N2+	I	JCP	105	2591	1996	T RUCHTI, T SPECK, JP CONNELLY, EJ BIESKE, H LINNARTZ, JP MAIER
N2	N2+	I	JMSp	185	425	1997	T SPECK, T RUCHTI, H LINNARTZ, JP MAIER

N2	HN2+		IT	JCP	111	8400	1999	D VERDES, H LINNARTZ, JP MAIER, P BOTSCHWINA, R OSWALD, P ROSMUS, JP KNOWLES
N2	HI		mw	JCP	113	249	2000	W JABS, AL McINTOSH, RR LUCCHESE, JW BEVAN, DJ BRUGH, RD SUENRAM
N2	C6H5OH		T	JCP	111	1955	1999	DM CHAPMAN, K MULLER-DETHLEFS, JB PEEL
N2	BrCl		mw	PCCP	4	441	2002	AC LEGON, P OTTAVIANI
N2	OH		I	JCP	114	7001	2001	MD MARSHALL, BV POND, M HOPKIN, MI LESTER
N2	OD		I	JCP	116	913	2002	M TSIOURIS, IB POLLACK, HO LEUNG, MD MARSHALL, MI LESTER
N2	HCCCN		I	JMSp	180	1	1996	X YANG, RZ PEARSON, G SCOLES
NO	NO		m	MP	44	145	1981	CM WESTERN, PRR LANGRIDGE-SMITH, BJ HOWARD, SE NOVICK
NO	NO		mw	JMSp	98	80	1983	SG KUKOLICH
NO	NO		I	JCP	83	2064	1985	P BRECHIGNAC, SD BENEDICITIS, N HALBERSTADT, BJ WHITAKER, S AVRILLIER
NO	NO		m	JACS	104	4715	1982	SG KUKOLICH
NO	NO		D	JCP	85	2333	1986	MP CASASSA, JC STEPHENSON, DS KING
NO	NO		D	JCP	85	6235	1986	MP CASASSA, AM WOODWARD, JC STEPHENSON, DS KING
NO	NO		D	JCP	92	937	1990	Y MATSUMOTO, Y OSHIMA, M TAKAMI
NO	NO		I	MP	78	55	1993	BJ HOWARD, ARW McKELLAR
NO	NO	matrix IR	JCP	102	7798		1995	F LEGAY, N LEGAY-SOMMAIRE
NO	NO		I	MP	86	273	1995	ARW McKELLAR, JKG WATSON, BJ HOWARD
NO	NO		mw	MP	89	1659	1996	SG KUKOLICH, SM SICKAFOOSE
NO	NO		I	CJP	75	181	1997	JKG WATSON, ARW McKELLAR
NO	NO		I	JMSp	183	12	1997	A DKHISSI, P SOULARD, A PERRIN, N LACOME
NO	NO		mm	JMSp	185	153	1997	MD BROOKES, ARW McKELLAR, T AMANO
NO	NO		T	JCP	109	26	1998	HA DUARTE, E PROYNOV, DR SALAHUB
NO	NO		T	JCP	109	2185	1998	ALL EAST
NO	NO		I	JCP	109	4378	1998	ALL EAST, ARWMCKELLAR, JKG WATSON
NO	NO		I	JMSp	194	156	1999	A DKHISSI, N LACOME, A PERRIN
NO	NO		I	JMSp	194	229	1999	ARW McKELLAR, JKG WATSON
NO	NO		Ra	JMSp	194	278	1999	JM FERNANDEZ, G TEJEDA, A RAMOS, BJ HOWARD, S MONTERO
NO	NO		PE	JCP	111	8939	1999	B URBAN, A STROBEL, VE BONDYBEY
NO	NO		T	CP	263	61	2001	JK PARK, H SUN
NO	NO	diss energy	D	JCP	116	4755	2002	EA WADE, JI CLINE, KT LORENZ, C HAYDEN, DW CHANDER
NO	(NO)3		I	CPL	275	307	1997	RE MILLER, L PEDERSEN
NO	NO2			TFS	65	1963	1969	AH BRITTAIN, AP COX, RL KUCZKOWSKI
NO	NO2			JACS	104	6927	1982	SG KUKOLICH
CO	CO	not solved #		ApJ	234	503	1979	JM STEED, LS BERNSTEIN, W KLEMPERER
CO	CO		I	JMSp	167	248	1994	M HAVENITH, M PETRI, C LUBINA, G HILPERT
CO	CO		I	CPL	287	365	1998	MD BROOKES, ARW McKELLAR
CO	CO		mm	CPL	298	381	1998	DA ROTH, M HEPP, G WINEWISSER
CO	CO		mw	JCP	111	5754	1999	Y XU, W JAEGER
CO	CO		I	JCP	111	7321	1999	MD BROOKES, ARW McKELLAR
CO	CO		mm	JCP	113	3034	2000	DA ROTH, LA SURIN, BS DUMESH, G WINNEWISSER, I PAK
CO	CO		T	CPL	314	326	1999	M RODE, J SADLEJ, ..., A VAN DER AVOIRD
CO	CO		I,mm	JCP	113	6618	2000	KA WALKER, C XIA, ARW McKELLER
CO	CO		mm	JMSp	214	87	2002	J TANG, ARW McKELLAR, LA SURIN, DN FOURZIKOV, BS DUMESH, G WINNEWISSER
CO	CO		R	JMSp			2003	LA SURIN, DN FOURZIKOV, F LEWEN, BS DUMESH, G WINNEWISSER, ARW McKELLAR
CO	CO		mm	JMSp	208	209	2001	KA WALKER, ARW McKELLAR
CO	H2		I	COL	TE3		1991	C CHUAQUI, RJ LE ROY
CO	H2		I	CPL	186	583	1991	ARW McKELLAR
CO	H2		T&IR	COL		RE03	1994	RJ LEROY, CE CHUAQUI, ARW McKELLAR
CO	H2 para		I	JCP	108	1811	1998	ARW McKELLAR
CO	H2		T	JCP	108	3554	1998	P JANKOWSKI, K SZALEWICZ
CO	H2		mmw	CPL	304	145	1999	I PAK, LA SURIN, BS DUMESH, DA ROTH, F LEWEN, G WINNEWISSER
CO	D2 ortho		I	JCP	112	9282	2000	ARW McKELLAR
CO	D2 ortho		mm	JCP	113	9351	2000	LA SURIN, BS DUMESH, G WINNEWISSER, I PARK
CO	H2		T	MP	98	1995	2000	R KOBAYASHI, RD AMOS, ..., CJSM SIMPSON
CO	H2 para		mw	ApJ	703	2108	2009	AV POTAPOV, LA SURIN, VA PANFILOV, BS DUMESH, TF GIESEN, S SCHLEMMER, PL RASTON, W JAEGER
CO	N2		I	COL		TE3	1991	C CHUAQUI, RJ LE ROY
CO	N2		I	JCP	104	2488	1996	Y XU, ARW McKELLAR
CO	N2	mwmm		RSI	69	4061	1998	VN MARKOV, Y XU, W JAEGER
CO	N2	mwmm		JCP	111	10476	1999	Y XU, W JAEGER, LA SURIN, I PAK, LA PANFILOV, G WINNEWISSER
CO	N2 para		mw	JCP	113	514	2000	Y XU, W JAEGER
CO	N2 para		I	JCP	113	525	2000	C XIA, ARW McKELLAR, Y XU
CO	N2 para/ortho		mw	CPL	315	201	1999	Y KAWASHA, Y OHSHIMA, ..., Y ENDO
CO	N2 para		mw	JCP	113	514	2000	Y XU, W JAEGER
CO	N2		I	JCP	113	525	2000	C XIA, ARW McKELLAR, Y XU
CO	N2 ortho		mm	JMSt	612	207	2002	LA SURIN, HSP MULLER, EV ALIEVA, BS DUMESH, G WINNEWISSER, I PAK
CO	SO2			COL		TE9	1991	FJ LOVAS, RD SUENRAM
CO	SO2		I				1993	TR DYKE, CA HWANG
CO	HI			JCP	98	1761	1993	Z WANG, RR LUCCHESE, JW BEVAN, AP SUCKLEY, CA REGO, AC LEGON
CO	HI		IR	CPL	305	57	1999	AL McINTOSH, Z WANG, AC LEGON
CO	Cl2		I	COL	92	WG07	1992	SW BUNTE, ZS HUANG, JB MILLER, JE VERDASCO, C WITTIG, RA BEAUDET
CO	Cl2		mw	JPC	97	3685	1993	W JAEGER, YJ XU, MCL GERRY

CO	Br2	I	JPC	98	8310	1994	Y LIN, RA BEAUDET
CO	ClF	mw	CPL	242	404	1995	K HINDS, JH HOLLOWAY, AC LEGON
CO	H2	T	COL	92	TG04	1992	C CHAUQUI, T SLEE, RJ LEROY
CO	CH3CCH	mI	JCP	100	3407	1994	FJ LOVAS, PW FOWLER, Z KISIEL, SH TSENG, RD BECK, DF EGGERS, TA BLAKE RO WATTS
CO	C6H6	mw	JCP	99	9394	1993	TH BRUPBACHER, A BAUDER
CO	C6H6	T	JCP	102	6812	1995	PI NAGY, CW ULMER II, DA SMITH
CO	CH3		COL	93	TC04	1993	FJ LOVAS, RD SUENRAM, SP BELOV, MY TRETYAKOV, J ORTIGOSO
CO	(CH)4NH	m	JPC	98	4551	1994	RPA BETTENS, SR HUBER, A BAUDER {pyrrole}
CO	(CH)5N	m	JCP	102	1501	1995	RPA BETTENS, A BAUDER {pyridine}
CO	CH3OH	mw	JMSp	167	191	1994	FJ LOVAS, SP BELOV, MY TRETYAKOV, J ONITIGOSA, RD SUENRAM
CO	CH3OH	I	CJP	79	461	2001	C XIA, ARW McKELLAR
CO	C5H5N	mw	COL	WF03		1994	RPA BETTENS, A BAUDER
CO	(CH)4O	mw	JCP	108	3932	1998	TH BRUPBACHER, J MAKAREWICZ, A BAUDER {furan}
CO	OCS		MP	88	899	1996	MD BROOKES, DJM CLIFT, RJ LOW, JM BROWN, BJ HOWARD
CO	OCS	I	MP	98	1669	2000	C XIA, ARW McKELLAR
CO	N2O	I	JMSp	184	156	1997	H-B QIAN, BJ HOWARD
CO	N2O	mw	JMSp	197	244	1999	S MWANIKI, Y XU, W JAEGER
CO	SiF4	I	JMSt	413	511	1997	R-D URBAN, G ROUILLE, M TAKAMI
CO	c-(CH)3NO	mw	JCP	109	5383	1998	S McGLONE, A BAUDER {isoxazole}
CO	C6H5OH	T	JCP	111	1955	1999	DM CHAPMAN, K MULLER-DETHLEFS, JB PEEL
CO	CH4	Imm	JCP	114	4824	2001	C XIA, KA WALKER, ARW McKELLAR
CO	CH4	mw	JCP	121	6240	2004	Y LIU, W JAEGER
CO	SO3	mw	JMSp			2003	MB CRADDOCK, CS BRAUER, KJ HIGGINS, KR LEOPOLD
CO	SO3 Ar	mw	JMSp			2003	MB CRADDOCK, CS BRAUER, KJ HIGGINS, KR LEOPOLD
CO	OH	E	CPL	354	203	2002	ME GREENSLADE, M TIOURIS, RT BONN, MI LESTER
CO	OD	I	JCP	119	118	2003	IB POLLACK, M TSIOURIS, HO LEUNG, MI LESTER
CO	AgF	mw	InC	41	1236	2002	NR WALKER, MCL GERRY
CO	AgCl	mw	InC	41	1236	2002	NR WALKER, MCL GERRY
CO	AgBr	mw	InC	41	1236	2002	NR WALKER, MCL GERRY
CO	H2S	mw	JMSp	229	47	2005	Y XU, P ARBOLEDA, W JAEGER
CO	HCCCN	I	CPL	204	145	1993	X YANG, RZ PEARSON, G SCOLES
CO	HCCCN	mw	JMSp	276-7	10	2012	L KANG, SE NOVICK
CO	(CH3)2S	mw	JMSp			2010	A SATO, Y KAWASHIMA, E HIROTA
CO	CH2(O)CH2	mw	JPCA	116	1224	2011	Y KAWASHIMA, A SATO, Y ORITA {ethylene oxide}
CO	CH2(S)CH2	mw	JPCA	116	1224	2011	Y KAWASHIMA, A SATO, Y ORITA {ethylene sulfide}
Cl2	PH3		JCP	98	3827	1993	AC LEGON, HE WARNER
Cl2	ClO	T	CP	219	201	1997	S ALOISIO, JS FRANCISCO
ClF	ClF	mw	COL	RD03		1995	K HIGGENS, FM TAO, W KLEMPERER
ClF	(CH2)2O	mw	CPL	251	275	1996	HI BLOEMINK, CM EVANS, JH HOLLOWAY, AC LEGON {oxirane}
ClF	(CH2)2S	mw	CPL	255	119	1996	CM EVANS, JH HOLLOWAY, AC LEGON {thiirane}
ClF	(CHCH2)2O	mw	CPL	275	269	1997	SA COOKE, GK CORLETT, CM EVANS, JH HOLLOWAY, AC LEGON {2,5-dihydrofuran}
ClF	CO2	mw	JMSt	406	15	1997	SA COOKE, AC LEGON, JH HOLLOWAY
ClF	N2	mw	JCSFT	92	2671	1996	SA COOKE, G COTTI, K HINDS, JH HOLLOWAY, AC LEGON, DG LISTER
ClF	H2CO	mw	JCP	108	39	1998	SA COOKE, GK CORLETT, CM EVANS, AC LEGON, JH HOLLOWAY
ClF	c-(CH)4S	mw	CPL	298	151	1998	SA COOKE, JH HOLLOWAY, AC LEGON {thiophene}
ClF	c-(CH)4O	mw	JCSFT	94	2675	1998	SA COOKE, GK CORLETT, JH HOLLOWAY, AC LEGON {furan}
LiF	NaF	mw	COL	RD06		1995	FJ LOVAS, RD SUENRAM, Y KAWASHIMA, E HIROTA, S BIERMANN, J HOEFT, R MAWHORTER, T TORRING
F2	H2S	mw	CPL	264	513	1997	G COTTI, CM EVANS, JH HOLLOWAY, AC LEGON
F2	(CH2)2O		CPL	267	281	1997	CM EVANS, JH HOLLOWAY, AC LEGON {oxirane}
HCN	H2	I	JCP	115	5137	2001	DT MOORE, M ISHIGURO, L OUDEJANS, RE MILLER
HCN	H2 He nanodrop	I	JCP	115	5144	2001	DT MOORE, M ISHIGURO, RE MILLER
HCN	H2	mmw	JCP	115	5155	2001	M ISHIGURO, T TANAKA, K HARADA, CJ WHITHAM, K TANAKA
HCN	NH3		JCP	80	3073	1984	GT FRASER, KR LEOPOLD, DD NELSON JR, A TUNG, W KLEMPERER
HCN	C2H2		JCP	78	3521	1983	PD ALDRICH, SG KUKOLICH, EJ CAMPBELL
HCN	C2H2	I	CP	139	15	1989	PA BLOCK, KW JUCKS, LG PEDERSON, RE MILLER
HCN	HCCH		CP	154	281	1991	AI JAMAN, TC GERMANN, HS GUTOWSKI, JD AUGSPURGER, CE DYKSTRA
HCN	HCCH He nanodrpI		CPL	346	129	2001	K NAUTA, RE MILLER
HCN	C2H4		JCP	78	3552	1983	SG KUKOLICH, WG READ, PD ALDRICH
HCN	C2H6		CPL	191	97	1992	AC LEGON, AL WALLWORK, HE WARNER
HCN	CO2		JCP	80	1039	1984	KR LEOPOLD, GT FRASER, W KLEMPERER
HCN	CO2	IT	JCP	93	4560	1990	DC DAYTON, LG PEDERSEN, RE MILLER
HCN	CO2	mw	JCP	90	4216	1989	TD KLOTTS, RS RUOFF, HS GUTOWSKY
HCN	(CO2)2		JPC	94	7774	1990	HS GUTOWSKY, J CHEN, PJ HAJDUK, RS RUOFF
HCN	(CO2)3	M	JCP	92	862	1990	HS GUTOWSKY, PJ HAJDUK, C CHUANG, RS RUOFF
HCN	(CH2)3		JCP	78	4832	1983	SG KUKOLICH
HCN	(CH2)3		JACS	105	5569	1983	PD ALDRICH, SG KUKOLICH, EJ CAMPBELL, WG READ
HCN	(CH2)3	I	CPL	153	285	1988	DC DAYTON, RE MILLER
HCN	C6H6		?????			????	WA KLEMPERER, KR LEOPOLD, GT FRASER
HCN	C6H6	mwT	JCP	103	3917	1995	HS GUTOWSKY, E ARUNAN, T EMILSSON, SL TSCHOPP, CE DYKSTRA
HCN	CH3OH	mw	COL	TC12		1994	FJ LOVAS, J SOBHANADRI
HCN	PH3		CP	85	443	1984	AC LEGON, LC WILLOUGHBY
HCN	PH3		CPL	111	566	1984	AC LEGON, LC WILLOUGHBY

HCN	HCN		CPL	47	589	1977	AC LEGON, DJ MILLEN, PJ MJOBERG
HCN	HCN		JMSp	89	352	1981	RD BROWN, PD GODFREY, DA WINKLER
HCN	HCN		CP	56	399	1981	LW BUXTON, EJ CAMPBELL
HCN	HCN		CPL	102	126	1983	AC LEGON, LC WILLOUGHBY, AD BUCKINGHAM
HCN	HCN		CP	76	225	1983	EJ CAMPBELL, SG KUKOLICH
HCN	HCN		PRSL	399	377	1985	K GEORGIOU, AC LEGON, DJ MILLEN, PJ MJOBERG
HCN	HCN	Ra	JCP	83	2129	1985	M MARONCELLI, GA HOPKINS, JW NIBLER, TR DYKE
HCN	HCN intrstellar srh		ApJ	296	218	1985	MS SCHENEWERK, PR JEWELL, LE SNYDER, LW BUXTON, EJ CAMBELL
HCN	HCN	I	JCP	85	105	1986	BA WOFFORD, JW BEVAN, WB OLSON, WJ LAFFERTY
HCN	HCN		CPL	138	553	1987	RS RUOFF, T EMILSSON, C CHAUNG, TD KLOTS, HS GUTOWSKY
HCN	HCN	I	JCP	88	6157	1988	KW JUCKS, RE MILLER
HCN	HCN	I	????		????	1989	H MEYER, ER THKERSTEL, D ZHUANG, G SCOLES
HCN	HCN		CPL	161	308	1989	RE BUMGARNER, GA BLAKE
HCN	HCN	I	COL		RC6	1991	ERT KERSTEL, TF MENTEL, BH PATE, G SCOLES
HCN	HCN		COL	92	TG05	1992	PA BLOCK, RJ BEMISH, RE MILLER
HCN	HCN		COL	92	WG10	1992	ER KERSTEL, KK LEHMANN, G SCOLES, X YANG
HCN	HCN	I	JMSp	170	335	1994	A GRUSHOW, WA BURNS, KR LEOPOLD
HCN	HCN	I	COL	TL11		1995	A CALLEGARI, JW DOLCE, KK LEHMANN, G SCOLES
HCN	HCN in He drop	I	JCP	111	3426	1999	K NAUTA, RE MILLER
HCN	BF3		JPC	97	106301	1993	SW REEVE, WA BURNS, FJ LOVAS, RD SUENRAM, KR LEOPOLD
HCN	BF3	I	JCP	101	2762	1994	ERTh KERSTEL, BH PATE, TF MENTEL, X YANG, G SCOLES
HCN	BF3	T?	CPL	248	179	1996	E IGLESIAS, TL SORDO, JA SORDO
HCN	BF3	T?	CPL	294	272	1998	EM CABALEIRO-LAGO, MA RIOS
HCN	Hg		JCP	97	7873	1992	JA SHEA, EJ CAMPBELL
HCN	HCCCN	D	JCP	98	2727	1993	X YANG, ERTH KERSTEL, G SCOLES
HCN	HCCCN	I	JCP	99	760	1993	X YANG, ERTH KERSTEL, G SCOLES
HCN	(HCN)2		COL	92	TG05	1992	PA BLOCK, RJ BEMISH, RE MILLER
HCN	(HCN)2	I	Col			1987	KW JUCKS, RE MILLER
HCN	(HCN)2	M	JCP	89	138	1988	RS RUOFF, T EMILSSON, TD KLOTS, C CHAUNG, HS GUTOWSKI
HCN	(HCN)	T	JPC	94	180	1990	CE DYKSTRA
HCN	(HCN)n	T	JCP	103	348	1995	BF KING, TC FARRAR, F WEINHOLD
HCN	F2	mw	CPL	262	308	1996	SA COOKE, G COTTI, CM EVANS, JH HOLLOWAY, AC LEGON
HCN	HCCCCH	I	JCP	105	107251	1996	X YANG, RZ PEARSON, KK LEHMANN, G SCOLES
(HCN)2	HF	M	JCP	90	4069	1989	RS RUOFF, T EMILSSON, C CHUANG, TD KLOTS, HS GUTOWSKY
(HCN)2	HCl	M	JCP	90	4069	1989	RS RUOFF, T EMILSSON, C CHUANG, TD KLOTS, HS GUTOWSKY
(HCN)2	HCF3	M	JCP	90	4069	1989	RS RUOFF, T EMILSSON, C CHUANG, TD KLOTS, HS GUTOWSKY
(HCN)2	CO2	M	JCP	90	4069	1989	RS RUOFF, T EMILSSON, C CHUANG, TD KLOTS, HS GUTOWSKY
(HCN)2	NH3	M	JCP	93	6363	1990	RS RUOFF, T EMILSSON, C CHUANG, TD KLOTS, HS GUTOWSKY
(HCN)2	N2	M	JCP	93	6363	1990	RS RUOFF, T EMILSSON, C CHUANG, TD KLOTS, HS GUTOWSKY
(HCN)2	CO	M	JCP	93	6363	1990	RS RUOFF, T EMILSSON, C CHUANG, TD KLOTS, HS GUTOWSKY
(HCN)2	H2O	M	JCP	93	6363	1990	RS RUOFF, T EMILSSON, C CHUANG, TD KLOTS, HS GUTOWSKY
(HCN)2	C2H4		Col			1987	RS RUOFF, T EMILSSON, C CHUANG, TD KLOTS, HS GUTOWSKY
(HCN)2	C3H6		Col			1987	RS RUOFF, T EMILSSON, C CHUANG, TD KLOTS, HS GUTOWSKY
(HCN)2	(CH2)3		Col			1987	RS RUOFF, T EMILSSON, C CHUANG, TD KLOTS, HS GUTOWSKY
(HCN)2	Ar		JCP	88	1557	1988	RS RUOFF, TI EMILSSON, TD KLOTS, C CHAUNG, HS GUTOWSKY
(HCN)2	HF CO		Col			1987	RS RUOFF, T EMILSSON, C CHUANG, TD KLOTS, HS GUTOWSKY
HCN HF	CO	M	JCP	93	6971	1990	T EMILSSON, TD KLOTS, RS RUOFF, HS GUTOWSKY
HCN HF	NH3	M	JCP	93	6971	1990	T EMILSSON, TD KLOTS, RS RUOFF, HS GUTOWSKY
HCN	(HCN)2	I	JCP	88	2196	1988	KW JUCKS, RE MILLER
HCN	N2	I	JCP	89	1262	1988	KW JUCKS, RE MILLER
HCN	CO		CP	87	81	1984	EJ GOODWIN, AC LEGON
HCN	CO	I	JCP	89	1262	1987	KW JUCKS, RE MILLER
HCN	HCF3		JCP	84	1988	1986	EJ GOODWIN, AC LEGON
HCN	(CH2)2O		JCP	85	676	1986	EJ GOODWIN, AC LEGON, DJ MILLEN
HCN	(CH2)2S		CPL	231	151	1994	J COSLEOU, DG LISTER, AC LEGON {thiirane}
HCN	(HF)2	I	CPL	156	578	1989	DC DAYTON, RE MILLER
HCN	H2S		FT2	80	1669	1984	EJ GOODWIN, AC LEGON
HCN	SO2	I	Mar			1986	JW BEVAN
HCN	SO2		JCP	85	6828	1986	EJ GOODWIN, AC LEGON
HCN	OCS		JMSt	158	205	1987	AI JAMAN, AC LEGON
HCN	OCS	I	JCP	95	785	1991	DC DAYTON, MD MARSHALL, RE MILLER
HCN	H2CO		JCP	87	2426	1987	EJ GOODWIN, AC LEGON
HCN	H2O		CPL	98	369	1983	AJ FILLERY-TRAVIS, AC LEGON, LC WILLOUGHBY
HCN	H2O		PRSL	396	405	1984	AJ FILLERY-TRAVIS, AC LEGON, LC WILLOUGHBY
HCN	H2O		JCP	96	5808	1992	HS GUTOWSKY, TC GERMANN, JD AUGSPURGER, CE DYKSTRA
HCN	(H2O)2	T	JPCA	105	11260	2001	R RIVELINO, S CANUTO
(HCN)2	(H2O)2	T	JPCA	105	11260	2001	R RIVELINO, S CANUTO
HCN	P(CH3)3		JMSt	125	171	1984	HL HIRANI, AC LEGON, DJ MILLEN, LC WILLOUGHBY
HCN	CHF3		JCP	84	1988	1986	EJ GOODWIN, AC LEGON
HCN	CH3CN		FT2	83	911	1987	NW HOWARD, AC LEGON
HCN	CH3NC		JMSt	270	449	1992	AC LEGON, JC THORN
HCN	(CH3)3N	M	JCP	89	696	1988	CA REGO, RC BATTEN, AC LEGON
HCN	HI	I	JMSp	147	359	1991	PA BLOCK, RE MILLER
HCN	HI	mw	CPL	226	501	1994	PW FOWLER, AC LEGON, SA PEEBLES

HCN	NO2	IM	Col			1989	DC DAYTON, RE MILLER
HCN	N2O	M	CPL	167	57	1990	DJ PAULEY, MA ROEHRIG, SG KUKOLICH
HCN	N2O		JCP	93	3881	1990	DJ PAULEY, SG KUKOLICH
HCN	N2O		JPC	96	1087	1992	DC DAYTON, LG PEDERSEN, RE MILLER
HCN	CH4	mw	JCSCC		558	1989	AC LEGON, AL WALLWORK
HCN	SO3	mw	JPCA	103	7445	1999	WA BURNS, JA PHILLIPS, M CANAGARATNA, H GOODFRIEND, KR LEOPOLD
HCN	SO3 CO	mw	MP			2006	CS BRAUER, MB CRADDOCK, KJ HIGGINS, KR LEOPOLD
(HCN)2	SO3	mw	JPCA	104	8323	2000	DL FIACCO, SW HUNT, KR LEOPOLD
H2O	H2O		JCP	60	2929	1974	TR DYKE, JS MUENTER
H2O	H2O		JCP	66	492	1977	TR DYKE
H2O	H2O		JCP	66	498	1977	TR DYKE, KM MACK, JS MUENTER
H2O	H2O		JCP	72	5062	1980	JA ODUTOLA, TR DYKE
H2O	H2O		JCP	87	6290	1987	LH COUDERT, FJ LOVAS, RD SUENRAM, JT HOUGEN
H2O	D2O		Col			1987	S JANS-BURLI, A BAUDER
H2O	H2O		JCP	88	5352	1988	JA ODUTOLA, TA HU, D PRINSLOW, SE O'DELL, TR DYKE
H2O	H2O	I	JCP	88	8008	1988	ZS HUANG, RE MILLER
H2O	H2O		JCP	90	6077	1989	GT FRASER, RD SUENRAM, LH COUDERT
H2O	H2O	I	JCP	90	3937	1989	KL BUSAROW, RC COHEN, GA BLAKE, KB LAUGHLIN, YT LEE, RJ SAYKALLY
H2O	H2O	T?	JCP	91	6613	1989	ZS HUANG, RE MILLER
H2O	H2O		JCP	91	7348	1989	TA HU, TR DYKE
D2O	D2O		JMSp	138	440	1989	RD SUENRAM, GT FRASER, FJ LOVAS
D2O	D2O far	I	COL	TL07		1995	JD CRUZAN, JG LOESER, ER BITTEN, LB BRALY, RJ SAYKALLY
H2O	H2O	M	CPL	166	580	1990	E ZWART, JJ TER MEULEN, WL MEERTS
H2O	H2O		Col			1990	E ZWART, JJ TER EULEN, WL MEERTS
H2O	H2O	Rev	IRPC	10	123	1991	GT FRASER
H2O	H2O	I	CPL	217	436	1994	ON VENTURA, K IRVING, Z LUTAJKA
H2O	H2O	T	JCP	101	3603	1994	SC ALTHORPE, DC CLEARY
D2O	D2O		COL	92	RB03	1992	EN KARYAKIN, RD SUENRAM, GT FRASER
D2O	D2O	I	JCP	98	6600	1993	N PUGLIANO, JD CRUZAN, JG LOESER, RJ SAYKALLY
HOD	D2O		COL	92	RB03	1992	EN KARYAKIN, RD SUENRAM, GT FRASER
D2O	D2O		JCP	96	1832	1992	N PUGLIANO, RJ SAYKALLY
H2O	H2O	T	JCP	100	2865	1994	KA FRANKEN, CE DYKSTRA
H2O	H2O tunneling T	JCP	102	7817		1995	JK GREGORY, DC CLARY
H2O	H2O	T	JCP	103	8043	1995	J LANGLET, J CAILLET, M CAFFAREL
HOD	HOD two isotop	mw	JCP	102	1114	1995	EN KARYAKIN, GT FRASER, FJ LOVAS, RD SUENRAM, M FUJITAKE
H2O	H2O D isotopom	mw	JMSp	181	229	1997	GT FRASER, FJ LOVAS, RD SUENRAM, EN KARYAKIN, A GRUSHOW, WA BURNS, KR LEOPOLD
H2O	H2O	T	MP	92	667	1997	DKW MOK, NC HANDY, RD AMOS
H2O	H2O	T	JCP	106	8527	1997	C LEFORESTIER, LB BRALY, K LIU, MJ ELROD, RJ SAYKALLY
H2O	H2O dipole	T(?)	CPL	282	147	1998	JK GREGORY
H2O	H2O	T	JMSt	422	143	1998	E KAPUY, C KOZMUTZA
H2O	H2O	T	JCP	108	7967	1998	Y BOUTEILLER, C DESFRANCOIS, JP SCHERMANN, Z LATAJKA, B SILVI
H2O	H2O	T	CP	232	275	1998	A FAMULARI, M RAIMUNDI, ..., E GIANINETTI
H2O	H2O	T	CP	232	289	1998	A FAMULARI, M RAIMUNDI, ..., E GIANINETTI
D2O	D2O	I	JPCA	102	3279	1998	JB PAUL, RA PROVENCAL, RJ SAYKALLY
H2O	H2O	T	JCP	110	168	1999	H CHEN, S LIU, JC LIGHT
H2O	H2O	T	JCP	110	6306	1999	RS FELLERS, LB BRALY, RJ SAYKALLY, C LEFORESTIER
D2O	D2O	THz	JCP	112	102932000		LB BRALY, JD CRUZAN, K LIU, RS FELLERS, RJ SAYKALLY
H2O	H2O	THz	JCP	112	103142000		LB BRALY, K LIU, MG BROWN, FN KEUTSCH, RS FELLERS, RJ SAYKALLY
H2O	H2O	T	JCP	111	6204	1999	R SPECCHIO, A FAMULARI, M SIRONI, M RAIMONDI
H2O	H2O	PE	CPL	321	333	2000	GH LEE, ST ARNOLD, ..., KH BOWEN
H2O	H2O	T	JPCA	105	1163	2001	L ZHI-RU, W DI, L ZE-SHENG, H XU-RI, F-M TAO, S CHIA-CHUNG
H2O	H2O	T	JCP	115	2926	2001	C-Y PARK, Y KIM, Y KIM
H2O	H2O	T	JCP	116	690	2002	GS TSCHUMPER, ML LEININGER, BC HOFFMAN, EF VALEEV, HF SCHAEFER, M QUACK
H2O	H2O	T	JCP	116	1479	2002	CJ BURNHAM, SS XANTHEAS
H2O	H2O	VPre	JCP	134	211101	'11	BE ROCHER-CASTERLINE, LC CH'NG, AK MOLLNER, H REISLER {D_0 measured}
H2O	H2O-	T	JCP	110	9032	1999	H-Y CHEN, W-S SHEU
H2O	H2O-	T	JCP	115	10678	'01	HY CHEN, WS SHEU
H2O	H3O+	T	JPCA	106	4158	2002	AL SOBOLOWSKI, W DOMCKE
H2O	(H2O)1,2	T	JCP	110	9104	1999	GR LOW, HG KJAEGAARD {OH-stretching intensities}
H2O	(H2O)1-3	T	JMSp	196	146	1999	G VAN DER REST, M MASELLA {bending vib}
D2O	(D2O)2	I	SCI	257	1937	1992	N PUGLIANO, RJ SAYKALLY
D2O	(D2O)2	I	JCP	110	4369	1999	MR VIANT, MG BROWN, JD CRUZAN, RJ SAYKALLY, M GELEIJNS, A VAN DER AVOIRD
D2O	(D2O)2	mm	JCP	114	3988	2001	FN KEUTSCH, EN KARYAKIN, RJ SAYKALLY
D2O	(D2O)2	THz	JCP	114	3994	2001	FN KEUTSCH, MG BROWN, PB PETERSEN, RJ SAYKALLY, M GELEIJNS, A van der AVOIRD
H2O	(H2O)2 tunneling	T	JCP	102	7817	1995	JK GREGORY, DC CLARY
H2O	(H2O)2	I	JACS	116	3507	1994	K LIU, JG LOESER, MJ ELROD, BC HOST, JA RZEPIELA, N PUGLIANO, RJ SAYKALLY
H2O	(H2O)2	T	JCP	103	1077	1995	T BURGI, S GRAF, S LEUTWYLER, W KLOPPER
H2O	(H2O)2	T	JCP	103	1085	1995	W KLOPPER, M SCHUTZ, HP LUTHI, S LEUTWYLER
H2O	(H2O)2	T	JACS	117	446	1995	JE FOWLER, HF SCHAEFER III
H2O	(H2O)2	T	JCP	103	8924	1995	JK GREGORY, DC CLARY

H2O	(H2O)2	T	JCP	105	6626	1996	JK GREGORY, DC CLARY
H2O	(H2O)2 dynamics	T	JCP	106	8034	1996	A VAN DER AVOIRD, EHT OLTHOF, PES WORMER
H2O	(H2O)2	I	JCP	106	8051	1996	A VAN DER AVOIRD, EHT OLTHOF, PES WORMER, K LIU, RJ SAYKALLY
H2O	(H2O)2	I	JPCA	101	9032	1997	MR VIANT, JD CRUZAN, DD LUCAS, MG BROWN, K LIU, RJ SAYKALLY
H2O	(H2O)2 pseudoro	T	JCP	110	823	1999	M GELEIJNS, A VAN DER AVOIRD
H2O	(H2O)2 ext fld	T	CPL	299	132	1999	CE DYKSTRA
H2O	(H2O)2	T	JCP	110	9435	1999	IMB NIELSEN, ET SEIDL, CL JANSSEN
H2O	(H2O)2	THz	JCP	111	7789	1999	MG BROWN, MR VIANT, RP MCLAUGHLIN, CJ KEOSHIAN, E MICHAEL, JD CRUZAN RJ SAYKALLY, A VAN DER AVOIRD
H2O	(H2O)2	THz	JCP	114	4005	2001	FN KEUTSCH, RS FELLERS, MR VIANT, RJ SAYKALLY
H2O	(H2O)2	rev	CR	103	2533	2003	FN KEUTSCH, JD CRUZAN, RJ SAYKALLY
H2O	(H2O)2-	T	JCP	107	5788	1997	DMA SMITH, J SMETS, Y ELKADI, L ADAMOWICZ
H2O	(H2O)2-	T	JCP	116	3612	2002	DR ALFONSO, KD JORDAN
H2O	(H2O)2H+	T	JCP	111	8429	1999	DJ WALES
H2O	(H2O)3	T	JCP	103	6114	1995	M SCHUTZ, W KLOPPER, H-P LUTHI, S LEUTWYLER
H2O	(H2O)3	T	MP	87	931	1996	T VAN VOORHIS, CE DYKSTRA
H2O	(H2O)3	I	JPCA	101	9022	1997	JD CRUZAN, MR VIANT, RJ SAYKALLY
D2O	(D2O)3	I	JCP	105	6634	1996	JD CRUZAN, MG BROWN, K LIU, B BRALY, RJ SAYKALLY
D2O	(D2O)3	THz	JCP	111	7801	1999	MG BROWN, FN KEUTSCH, LB BRALY, RJ SAYKALLY
H2O	(H2O)3	T	JCP	109	5393	1998	S GRAF, S LEUTWYLER
H2O	(H2O)3	T	JCP	109	5404	1998	D SABO, Z BACIC, S GRAF, S LEUTWYLER
H2O	(H2O)3-	T	JCP	116	3612	2002	DR ALFONSO, KD JORDAN
H2O	(H2O)4	T	JCP	105	6626	1996	JK GREGORY, DC CLARY
H2O	(H2O)4	T	JCP	105	6957	1996	DJ WALES, TR WALSH
H2O	(H2O)4	I	JPCA	101	9011	1997	K LIU, MG BROWN, JD CRUZAN, RJ SAYKALLY
H2O	(H2O)4	I	JCP	109	9645	1998	MG BROWN, FN KEUTSCH, RJ SAYKALLY
H2O	(H2O)4	T	JCP	110	7893	1999	S GRAF, W MOHR, S LEUTWYLER
D2O	(D2O)4	I	CPL	292	667	1998	JD CRUZAN, MR VIANT, MG BROWN, DD LUCAS, K LIU, RJ SAYKALLY
H2O	(H2O)4-	T	JCP	110	3804	1999	DMA SMITH, J SMETS, L ADAMOWICZ
H2O	(H2O)5	I	JPCA	101	8995	1997	K LIU, MG BROWN, RJ SAYKALLY
H2O	(H2O)5	T	CPL	314	353	1999	ES KRYACHKO
H2O	(H2O)5	I	JCP	115	6807	2002	ME FAJARDO, S TAM
H2O	(H2O)5	mw	SCI	336	897	2012	C PEREZ, MT MUCKLE, D ZALESKI, NA SEIFERT, B TEMELSO, GC SHIELDS, Z KISIEL, BH PATE
H2O	(H2O)1-7	ICRD	JCP	109	10201	'98	JB PAUL, RA PROVENCAL, C CHAPO, A PETTERSON, RJ SAYKALLY
H2O	(H2O)5,7	T	JCP	110	9039	1999	J RODRIGUEZ, D LARIA, EJ MARCECA, DA ESTRIN
H2O	(H2O)6	T	JCP	110	9128	1999	J KIM, D MAJUMDAR, HM LEE, KS KIM
H2O	(H2O)6-	PE	JCP	116	1201	2002	JA KELLY, GH WEDDLE, WH ROBERTSON, MA JOHNSON
H2O	(H2O)7-9	T	JCP	110	1526	1999	LX DANG
H2O	(H2O)1-9	T	JCP	112	9759	2000	HM LEE, SB SUH, JY LEE, P TARAKESHWAR, KS KIM
H2O	(H2O)9-99	I	JPCA	103	8620	1999	LM GOSS, SW SHARPE, TA BLAKE, V VAIDA, JW BRAULT
H2O	(H2O)7-19	T	JCPA	105	10520	'01	S MAHESHWARY, N PATEL, N SATHYAMURTHY, AD KULKARNI, SR GADRE
H2O	H2O H+	T	JCP	110	10403	'99	DJ WALES
H2O n	H2O H+	MasS	JCPA	106	933	2002	GE WALRAFEN, YC CHU, HR CARLON
H2O n	H2O+	I	COL	93	WG13	1993	CP COLLIER, RS FELLERS, ER KEIM, JA RZEPIELA, JC OWRUTSKY, ML POLKA,JV COE
H2O	H2O+	T	JPCA	106	4200	2002	TK GHANTY, SK GOSH
H2O	(H2O)n	I	JCP	104	17	1996	F HUISKEN, M KALOUDIS, A KULCKE
H2O	(H2O)6	mw	CPL	571	1	2013	C PEREZ, S LOBSIGER, NA SEIFERT, DP ZALESKI, B TEMELSO, GC SHIELDS, Z KISIEL, BH PATE
H2O	HO2	T	MP	100	247	2002	SD BELAIR, S KAIS, JS FRANSCISCO
H2O	HO2	mw	SCI	311	1278	2006	K SUMA, Y SUMIYOSHI, Y ENDO
(H2O)2	H2	T	JPC	100	10875	1996	J SADLEJ, SM CYBULSKI, MM SZCZESNIAK
(H2O)2	HCl	mw	JCP	112	5767	2000	Z KISIEL, E BIALKOWSKA-JAWORSKA, L PSZCZOLKOWSKI, A MILET, C STRUNIEWICZ, R MOSZYNSKI, J SADLEJ
(H2O)4	substbenzene	T	JCP	114	4016	2001	P TARAKESHWAR, KS KIM, ... B BRUTSCHY {fluorobenzene, benzene, toluene}
(H2O)2	HCl dipole	mw	CPL	325	523	2000	Z KISIEL, J KOSARZEWSKI, BA PIETREWICZ, L PSZCZOLKOWSKI
(H2O)2	HBr dipole	mw	CPL	325	523	2000	Z KISIEL, J KOSARZEWSKI, BA PIETREWICZ, L PSZCZOLKOWSKI
(H2O)2	HBr	mw	JCP	119	5907	2003	Z KISIEL, BA PIETREWICZ, O DESYATNYK, L PSZCZOLKOWSKI
H2O	CO	M	JCP	92	7095	1990	D YARON, KI PETERSON, D ZOLANDZ, W KLEMPERER, FJ LOVAS, RD SUENRAM
H2O	CO	I	CPL	176	123	1991	RE BUMGARNER, S SUZUKI, PA STOCKMAN, PG GREEN, GA BLAKE
H2O	CO	T	JCP	100	4272	1994	J SADLEJ, V BUCH
H2O	CO	I	COL	TL12		1995	PA STOCKMAN, S SUZUKI, GA BLAKE
H2O	CO	I	JCP	109	5823	1998	MD BROOKES, ARW McKELLAR
H2O	CO	I	CPL	306	214	1999	L OUDEJANS, RE MILLER
H2O	(CO)2	mw	JCP	102	7807	1995	KI PETERSON, RD SUENRAM, FJ LOVAS
H2O	CO2		JCP	80	2439	1984	KI PETERSON, W KLEMPERER
H2O	CO2		Col			1989	D YARON, W KLEMPERER, KI PETERSON
H2O	CO2	T	JPC	93	7640	1989	JR DAMEWOOD JR, RA KUMPF, WCF MUHLBAUER
H2O	CO2	I	JCP	96	7321	1992	PA BLOCK, MD MARSHALL, LG PEDERSON, RE MILLER
H2O	CO2	m				1994	G COLUMBERG, J MAKAREWICZ, A BAUDER
H2O	CO2	mw	MP	93	215	1998	G COLUMBERG, A BAUDER, N HEINKING, W STAHL
H2O	CO2	T	JCP	109	3919	1998	J SADLEJ, J MAKAREWICZ, G CHALASINSKI
(H2O)2	CO2		JCP	94	106	1991	KI PETERSON, RD SUENRAM, FJ LOVAS
H2O	(CO2)2		JCP	90	5964	1989	KI PETERSON, RD SUENRAM, FJ LOVAS

H2O	(CO2)2		JCP	93	894	1990	HS GUTOWSKY, C CHUANG
H2O	HOCO	T	JPCA	104	404	2000	S ALOISIO, JS FANCISCO
H2O	OCS	T	CPL	348	126	2001	MJ WOJCIK, M BOCZAR, TA FORD
H2O	OCS	mw	JCP			2004	Y TATAMITANI, T OGATA
H2O	CS2	mw	JMSp	162	505	1993	T OGATA, FJ LOVAS
H2O	CH2F2	mw	JACS	121	10098	'99	W CAMINATI, S MELANDRI, I ROSSI, PG FAVERO
H2O	C2H2		JCP	81	3842	1984	KI PETERSON, W KLEMPERER
H2O	C2H2	I	JCP	96	7321	1992	PA BLOCK, MD MARSHALL, LG PEDERSON, RE MILLER
H2O	C2H4		JCP	85	725	1986	KI PETERSON, W KLEMPERER
H2O	C2H4		JCP	98	791	1993	AM ANDREWS, RL KUCZKOWSKI
H2O	C2H4	T	JCP	111	5838	1999	P TARAKESHWAR, HS CHOI, SJ LEE, JY LEE, KS KIM, T-K HA, JH JANG, JG&H LEE
H2O	C3H6		JACS	114	6765	1992	AM ANDREWS, KW HILLIG II, RL KUCZKOWSKI
H2O	C3H8	m	JCP	99	7424	1993	DW STEYERT, MJ ELROD, RJ SAYKALLY, FJ LOVAS, RD SUENRAM
H2O	C3H8	I	JCP	99	7431	1993	DW STEYERT, MJ ELROD, RJ SAYKALLY
H2O	N2O	mw	JCP	97	2861	1992	D ZOLANDANDZ, D YARRON, KI PETERSON, W KLEMPERER
H2O	N2O	I	JMSp	216	315	2002	G GIMMLER, M HAVENITH
HOD	N2O	I	MP	113	473	2015	T FOLDES, C LAUZIN, T VANFLETEREN, M HERMAN, J LIEVINK, K DIDRICHE
HOD	N2O	mw	JCP	143	084301	'15	DA OBENCHAIN, DS FRANK, SE NOVICK, W KLEMPERER
H2O	NH3		JCP	83	3768	1985	P HERBINE, TR DYKE
H2O	NH3	T	JPC	94	217	1990	Z LATAJKA, S SCHEINER
H2O	NH3	I&	JCP	96	2496	1992	PA STOCKMAN, RE BUMGARNER, S SUZUKI, PG GREEN, GA BLAKE
H2O	NH3		JCP	93	5485	1990	P HERBINE, TA HU, G JOHNSON, TR DYKE
H2O	NH3 umbr	I	JCP	96	7287	1992	GT FRASER, RD SUENRAM
H2O	NH3	T	JPCA	103	8528	1999	J SADLEJ, R MOSZYNSKI, JC DOBROWOLSKI, AP MAZUREK
H2O	NH3 (H2O)H+	T	JCP	105	6844	1996	H-P CHENG
H2O	NH2CHO		JCP	88	722	1988	FJ LOVAS, RD SUENRAM, GT FRASER, CW GILLIES, J ZOZOM
H2O	NH2CHO matrix	I	JCP	99	4894	1993	A ENGDAHL, B NELANDER, PO ASTRAND
H2O	H2CO	mw	JMSp	179	320	1996	FJ LOVAS, CL LUGEZ
H2O	H2CO	T	JPC	97	11415	'93	TK HA, J MAKAREWICZ, A BAUDER
H2O	H2CO	T	JCP	100	4374	1994	TA RAMELOT, CH HU, JE FOWLER, BJ DELEEUW, HF SCHAEFER III
H2O	H2CO	m				1994	F BETTENS, J MAKARAEWICZ, A BAUDER
H2O	H2S		Col			1988	FJ LOVAS, RD SUENRAM, LH COUDERT
H2O	H2S	T	CPL	230	480	1994	YB WANG, FM TAO, YK PAN
H2O	O3		JMSp	146	493	1991	JZ GILLIES, CW GILLIES, RD SUENRAM, FJ LOVAS, T SCHMIDT, D CREMER
H2O	O3 dynamics		JCP	100	4200	1994	DS KING, DG SAUDER, MP CASASSA
H2O	OH	mw	CPL	401	420	2005	CS BRAUER, G SEDO, EM GRUMSTRUP, KR LEOPOLD, MD MARSHALL, HO LEUNG
(H2O)2	OH-	T	JMSt	577	239	2002	N TURKI, A MILET, O ORAMERALI, R MOSZYNSKI, E KOCHANSKI
H2O	N2	M	JCP	90	700	1989	HO LEUNG, MD MARSHALL, RD SUENRAM, FJ LOVAS
H2O	N2	I	Col			1990	RE BUMGARNER, J BOWEN, PG GREEN, GA BLAKE
H2O	N2	I	JPCA	102	7294	1998	IM SVISHCHEV, RJ BOYD
H2O	O2	I	JPCA	102	7294	1998	IM SVISHCHEV, RJ BOYD
H2O	F2	mw	ACI	36	129	1997	SA COOKE, G COTTI, JH HOLLOWAY, AC LEGON
H2O	F2	mw	CEJ	7	2295	2001	SA COOKE, G COTTI, CM EVANS, JH HOLLOWAY, Z KISIEL, AC LEGON, JMA THUMWOOD
H2O	SO2		JCP	91	5887	1989	K MATSUMURA, FJ LOVAS, RD SUENRAM
H2O	SO3	mw	JPC	99	501	1995	JA PHILLIPS, M CANAGARATNA, H GOODFRIEND, KR LEOPOLD
H2O	SO3 NH3	T	JPCA	105	4344	2001	LJ LARSON, F-M TAO
H2O	SO3 NH3	mw	CP			2004	SW HUNT, CS BRAUER, MB CRADDOCK, KJ HIGGINS, AM NIENOW, KR LEOPOLD
H2O	H2SO4	mw	JACS	124	4504	2002	DL FIACCO, SW HUNT, KR LEOPOLD
H2O	N2O	M	Col			1989	D YARON, W KLEMPERER, KI PETERSON
H2O	NO2	T	CPL	312	306	1999	DW BALL
H2O	PF3	M	JPC	95	3523	1991	MS LABARGE, AM ANDREWS, A TALEBBENDIAB, KW HILLIG II, RL KUCZKOWSKI, RK BOHN
H2O	CH4	I	JCP	100	863	1994	L DORE, RC COHEN, CA SCHMUTTENMAER, KL BUSAROW, MJ ELROD, JG LOESER, RJ SAYKALLY
H2O	CH4	mw	JCP	101	7230	1994	RD SUENRAM, GT FRASER, FJ LOVAS, Y KAWASHIMA
H2O	HCCCCH		JMSp	144	123	1990	K MATSUMURA, FJ LOVAS, RD SUENRAM
H2O	NCCN		JCP	96	5577	1992	S LEE, II SUNI, W KLEMPERER
H2O	CH3OH	tunn	JMSp	159	363	1993	JT HOUGEN, N OHASHI
H2O	CH3OH	mw	JCP	107	3782	1997	PA STOCKMAN, GA BLAKE, FJ LOVAS, RD SUENRAM
H2O	CH3OH	T	JCP	109	139	1998	L GONZALEZ, O MO, M YANEZ
(H2O)2	CH3OH	T	JCP	109	139	1998	L GONZALEZ, O MO, M YANEZ
H2O	CH3F	T	JPCA	105	9004	2001	JE MONAT, RR TOCZYLOWSKI, SMCYBULSKI
H2O	C6H6		SCI	257	942	1992	S SUZUKI, PG GREEN, RE BUMGARNER, S DASGUPTA, WA GODDARD III, GA BLAKE
H2O	C6H6	mw	JCP	99	4883	1993	HS GUTOWSKY, T EMILSSON, E ARUNAN
H2O	C6H6		COL	93	TC10	1993	S SUZUKI, PG GREEN, RE BUMGARNER, RD SUENRAM, FJ LOVAS, S DASGUPTA, WA GODDARD III, GA BLAKE
H2O	C6H6	I	JCP	103	531	1995	RN PRIBBLE, AW GARRETT, K HABER, TS ZWIER
H2O	C6H6	T	COL	FC12		1995	S SUZUKI, GA BLAKE
H2O	C6H6	T	JCP	110	8461	1999	W KIM, D NEUHAUSER, MR WALL, PM FELKER
H2O	C6H6	T	JCP	111	5838	1999	P TARAKESHWAR, HS CHOI, SJ LEE, JY LEE, KS KIM, T-K HA, JH JANG, JG&H LEE
H2O	C6H6	mw	JCP	112	1204	2000	T EMILSSON, HS GUTOWSKY, G de OLIVEIRA, CE DYKSTRA
H2O+	C6H6	I	CPL	349	431	2001	M MIYAZAKI, A FUJII, T EBATA, N MIKAMI
(H2O)2	C6H6	T	JCP	106	849	1997	JM SORENSON, JK GREGORY, DC CLARY

(H2O)2	C2H4	T	JCP	111	5838	1999	P TARAKESHWAR, HS CHOI, SJ LEE, JY LEE, KS KIM, T-K HA, JH JANG, JG&H LEE
H2O	C6H5OH	mw	JCP	104	967	1996	M GERHARDS, M SCHMITT, K KLEINERMANNS, W STAHL
H2O	C6H5OH	E	JCP	104	972	1996	G BERDEN, WL MEERTS, M SCHMITT, K KLEINERMANNS
H2O	C6H5OH	T	JCP	105	420	1996	H WATANABE, S IWATA
H2O	C6H5OH	RTPI	JCP	108	4496	1998	RM HELM, H-P VOGEL, HJ NEUSSER
H2O	C6H5OH	T	CPL	350	565	2001	HH TSUI, T VANMOURIK
(H2O)7,8	C6H5OH	E	JCP	110	9898	1999	C JANZEN, D SPANGENBERG, W ROTH, K KLEINERSMANNS
H2O	C6H4(OH)2	RTPI	JCP	104	9362	1996	M GERHARDS, W PERL, S SCHUMM, U HENRICHS, C JACOBY, K KLEINERMANNS
H2O	C6H5F	T	JCP	110	8501	1999	P TARAKESHWAR, KS KIM, B BRUTSCHY
H2O	C6H4F2	T	JCP	110	8501	1999	P TARAKESHWAR, KS KIM, B BRUTSCHY {p-difluorobenzene}
H2O	C6H5NH2	mw	JMSp	190	278	1998	U SPOEREL, W STAHL {aniline}
H2O	C6H5CH2OH	IE	JCP	111	8438	1999	N GUCHHAIT, T EBATA, N MIKAMI {benzyl alcohol}
H2O	C6F6	mw	ACI			2017	L EVANGELISTI, K BRENDEL, H MADER, W CAMINATI, S MELANDRI {perfluorobenzene}
H2O	c-C4H8ONH	mw	JMSp	190	372	1998	O INDRIS, W STAHL, U KRETSCHMER {morpholine}
H2O	(CH)4NH	mw	JPC	97	7451	1993	MJ TUBERGEN, AM ANDREWS, RL KUCZKOWSKI {pyrrole}
H2O	(CH3)3N	mw	JACS	115	9263	1993	MJ TUBERGEN, RL KUCZKOWSKI
H2O	(CH3)2NH	mw	JMSt	352	335	1995	MJ TUBERGEN, RL KUCZKOWSKI
H2O	HCOOH	m				1994	R SPYCHER, A BAUDER
H2O	HCOOH	mw	JCP	113	169	2000	D PRIEM, T-K HA, A BAUDER
(H2O)2	HCOOH	mw	JCP	113	169	2000	D PRIEM, T-K HA, A BAUDER
H2O	CH3COOH	mw	PCCP	11	366	2009	B OUYANG, BJ HOWARD {acetic acid}
(H2O)2	CH3COOH	mw	PCCP	11	366	2009	B OUYANG, BJ HOWARD {acetic acid}
H2O	(HCOOH)2	mw	JCP	113	169	2000	D PRIEM, T-K HA, A BAUDER
H2O	(CH2)4O	mw	COL	TC05		1994	FL BETTENS, RPA BETTENS, A BAUDER
H2O	(CH)4O ?	m				1994	F BETTENS, RPA BETTENS, A BAUDER
H2O	CH3CN	mw	COL	TC12		1994	FJ LOVAS, J SOBHANADRI
H2O	CH3CN	mw	JMSp	307	59	2015	FJ LOVAS, J SOBHANADRI
H2O	CF3CN	mw	PCCP			2015	W LIN, A WU, X LU, DA OBENCHAIN, SE NOVICK
H2O	CF3Cl	mw	ACI	50	7807	2011	L EVANGELISTI, G FENG, P ECIJA, EJ COCINERO, F CASTANO, W CAMINATI
H2O	CF3CF2COOH	mw	JPCA	119	10475	‘15	GS GRUBBS II, DA OBENCHAIN, DS FRANK, SE NOVICK, SA COOKE, A SERRATO III, W LIN {perfluoropropionic acid}
(H2O)2	CF3CF2COOH	mw	JPCA	119	10475	‘15	GS GRUBBS II, DA OBENCHAIN, DS FRANK, SE NOVICK, SA COOKE, A SERRATO III, W LIN {perfluoropropionic acid}
H2O	CH3NO2	mw	JMSp	171	189	1995	FJ LOVAS, N ZOBOV, GT FRASER, RD SUENRAM
H2O	N(CH2CH2)3CH	mw	JMSp	174	520	1995	D CONSALVO, W STAHL {1-azabicyclo[2.2.2]octane}
H2O	HNO3	mw	COL	RD04		1995	FM TAO, K HIGGENS, W KLEMPERER, DD NELSON
H2O	NaCl	mw	COL	RD05		1995	A MIZOGUCHI, Y OHSHIMA, Y ENDO
H2O	HCCCN	mw	JMSp	179	85	1996	RM OMRON, AR HIGHT WALKER, G HILPERT, GT FRASER, RD SUENRAM
H2O	c-C7H5OOH	I	JCP	105	2605	1996	RK FROST, FC HAGEMEISTER, CA ARRINGTON, D SCHLEPPENBACH, KD JORDAN {tropolone}
H2O	C6H5CN	mw	ZNAT	52	293	1997	V STORM, D CONSALVO, H DREIZLER
H2O	C6H5CN	mwUV	ZNAT	52	655	1997	RM HELM, H-P VOGEL, HJ NUESSER, V STORM, D CONSALVO, H DREIZLER
H2O	C6H5CN	mw	JCP	111	3874	1999	S MELANDRI, D CONSALVO, W CAMINATI, PG FAVERO {benzonitrile}
H2O	C6H5CCH	mw	PCCP	13	14153	2011	M GOSWAMI, E ARUNAN {phenylacetelene}
H2O	c-(OCH2CH2)2	mm	JACS	120	5555	1998	W CAMINATI, A DELL'ERBA, S MELANDRI, PG FAVERO {1,4-dioxane}
H2O	c-C2H4O	mm	JACS	120	11144	'98	W CAMINATI, P MORESCHINI, I ROSSI, PG FAVERO {ethylene oxide}
H2O	c-C2H2NC2H2N	mw	ACI	37	792	1998	W CAMINATI, LB FAVERO, PG FAVERO {pyrazine}
H2O	c-C4H4NH	mw	JACS	120	2616	1998	W CAMINATI, A DELL'ERBA, G MACCAFERRI, PG FAVERO {pyrrolidine}
H2O	c-C5H10O	mw	CEJ	4	1974	1998	U SPOEREL, W STAHL, W CAMINATI, PG FAVERO {tetrahydropyran}
H2O	c-C4H4N2	mw	JPCA	102	8097	1998	W CAMINATI, P MORESCHINI, PG FAVERO {pyridazine}
H2O	c-C3H3NCHN	mw	JACS	120	11504	'98	S MELANDRI, ME SANZ, W CAMINATI, PG FAVERO, Z KISIEL {pyrimidine}
H2O	c-(CH2)4S	mw	JPCA	103	5285	1999	ME SANZ, JC LOPEZ, JL ALONSO, A MARIS, PG FAVERO, W CAMINATI {tetrahydrothiophene}
H2O	H2NCH(CH3)CONH2		JACS	122	2938	2000	RJ LAVRICH, MJ TUBERGEN {alaninamide, mw}
H2O	NH2C6H4CN	T	CPL	353	195	2002	E ALEJANDRO, JA FERNANDEZ, F CASTRO {4-aminobenzonitrile}
H2O	CH2CHOHCH2CH2O		JPCA	105	8317	2001	RJ LAVRICH, CR TOROK, MJ TUBERGEN {3-hydroxytetrahydrofuran, mw}
H2O	c-(CH2)3NO	mw	MP	99	1353	2001	S McGLONE, P MORESCHINI, T-K HA, A BAUDER {isoxazole}
H2O	ClF	T	CPL	268	321	1997	AK CHANDRA, MT NGUYEN
H2O	ClF	mw	CEJ	7	2295	2001	SA COOKE, G COTTI, CM EVANS, JH HOLLOWAY, Z KISIEL, AC LEGON, JMA THUMWOOD
H2O	ICl	mw	PCCP	2	1659	2000	JP DAVEY, AC LEGON, ER WACLAWIK
H2O	Cl-	I	JACS	120	12361	'98	P AYOTTE, GH WEDDLE, ..., MA JOHNSON
H2O	Br-	I	JACS	120	12361	'98	P AYOTTE, GH WEDDLE, ..., MA JOHNSON
H2O	I-	I	JACS	120	12361	'98	P AYOTTE, GH WEDDLE, ..., MA JOHNSON
(H2O)1-6	F-	T	JCP	110	9116	1999	J BAIK, J KIM, D MAJUMDAR, KS KIM
(H2O)n	c-C6H5CN n=1-3	IRa	JCP	110	9504	1999	S ISHIKAWA, T EBATA, N MIKAMI {benzonitrile}
H2O	c-(CH)3NO	mw	MP	99	1353	2001	S McGLONE, P MORECHINI, T-K HA, A BAUDER {isoxazole}
H2O	C28H18	RCS	JCP	113	11109	'00	T FUJIWARA, Y FUJIMURA, O KAJIMOTO {9-9'-bianthryl}
H2O	c-C6H4C2H2NH	Edip	JCP			2005	C KANG, TM KORTER, DW PRATT {indole}
H2O	c-(CH2)3O	mw	JCP	123	164304	'05	S MELANDRI, A MAIS, BM GIULIANO, W CAMINATI {cyclobutanone}
H2O	C5H5N	TRa	JPCA	105	9983	2001	S SCHLUCKLER, RK SINGH, BP ASTHANE(?), J POPP, W KIEFER {pyridine}
(H2O)1-3	CF2HCOOH	mw	JPCA			2010	B OUYANG, BJ HOWARD {trans and gauche difluoroacetic acid}
H2O	AgCl	mw	ACI	49	181	2010	SJ HARRIS, AC LEGON, NR WALKER, DE WHEATLY
H2O	NH2C3H6OH	mw	JPCA	121	6646	2017	AS KHALIL, A-M KELTERER, RJ LAVRICH {3-aminopropanol}

NH3	HCN		JCP	82	2535	1985	GT FRASER, DD NELSON, A CHARO, W KLEMPERER
NH3	HCN	T	CP	182	39	1994	S CHATTOPADHYAY, PLM PLUMMER
NH3	HCCH		JCP	80	1423	1984	GT FRASER, KR LEOPOLD, W KLEMPERER
NH3	HCCH		JCP	82	2535	1985	GT FRASER, DD NELSON, A CHARO, W KLEMPERER
NH3	HCCH vib coupl	I	JCP	105	6183	1996	G HILPERT, GT FRASER, AS PINE
NH3	HCN vib coupl	I	JCP	105	6183	1996	G HILPERT, GT FRASER, AS PINE
NH3	HCCCCH vib cou	I	JCP	105	6183	1996	G HILPERT, GT FRASER, AS PINE
NH3	CO2		JCP	81	2577	1984	GT FRASER, KR LEOPOLD, W KLEMPERER
NH3	CO2		JCP	82	2535	1985	GT FRASER, DD NELSON, A CHARO, W KLEMPERER
NH3	NH3	#	JCP	82	2535	1985	GT FRASER, DD NELSON, A CHARO, W KLEMPERER
NH3	NH3		JCP	83	6201	1985	DD NELSON, GT FRASER, W KLEMPERER
NH3	NH3	T	JCP	85	2077	1986	SY LIU, CE DYKSTRA, K KOLENBRANDER, JM LISY
NH3	NH3	T	JCP	87	139	1987	DD NELSON, W KLEMPERER
NH3	NH3	P	JCP	85	6261	1986	F CARNOVALE, JB PEEL, RG ROTHWELL
NH3	NH3		JCP	87	6364	1987	DD NELSON, W KLEMPERER, GT FRASER, FJ LOVAS, RD SUENRAM
NH3	NH3	Z	JCP	88	3028	1988	U BUCK, H MEYER, D NELSON, GT FRASER, W KLEMPERER
NH3	NH3	I	JCP	94	4776	1991	M HAVENITH, RC COHEN, KL BUSAROW, DH GWO, YT LEE, RJ SAYKALLY
NH3	NH3	T	JMSp	149	73	1991	JT HOUGEN, LH COUDERT
NH3	NH3	I	COL	92	ME14	1992	M HAVENITH, H LINNARTZ, E ZWART, A KIPS, JJ TER MEULEN, WL MEERTS
NH3	NH3	I	JCP	97	4727	1992	JG LOESER, CA SCHMUTTENMAER, RC COHEN, MJ ELROD, DW STEYERT, RJ SAYKALLY, RE BUMGARNER, GA BLAKE
NH3	NH3	T	JCP	97	4750	1992	JWI VAN BLADEL, A VAN DER AVOIRD, RES WORMER, RJ SAYKALLY
NH3	NH3	I	JCP	99	2449	1993	H LINNARTZ, A KIPS, WL MEERTS, M HAVENITH
NH3	NH3	T	COL	93	RC04	1993	FM TAO, W KLEMPERER
NH3	NH3	T	CPL	228	451	1994	SM CYBULSKI
NH3	NH3	T	JCP	101	8430	1994	EHT OLTHOF, A VAN DER AVOIRD, PES WORMER
NH3	NH3 inversion	T	JCP	101	8843	1994	EHT OLTHOF, A VAN DER AVOIRD, PES WORMER, JG LOESER, RJ SAYKALLY
NH3	NH3	T	JCP	102	3648	1995	FF MUGUET, GW ROBINSON
NH3	NH3	T	JCP	102	3655	1995	FF MUGUET, GW ROBINSON, MP BASSEZ-MUGUET
NH3	NH3	I	CP	193	327	1995	H LINNARTZ, WL MEERTS, M HAVENITH
NH3	NH3 quadrupole	mw	JCP	102	8693	1995	N HEINEKING, W STAHL, ETH OLTHOF, PES WORMER, A VAN DER AVOIRD, M HAVENITH
NH3	NH3	mw	COL	RD01		1995	JG LOESER, RJ SAYKALLY, N KARAYAKIN, GT FRASER, RD SUENRAM
NH3	NH3	T	JCP	103	8043	1995	J LANGLET, J CAILLET, M CAFFAREL
NH3	NH3 Stark	FIR	JCP	104	3898	1996	G COTTI, H LINNARTZ, WL MEERTS, A van der AVOIRD, HT OLTHOF
ND3	ND3	mm	JCP	110	9555	1999	EN KARYAKIN, GT FRASER, JG LOESER, RJ SAYKALLY
NH3	NH3	T	JCP	112	230	2000	JS LEE, SY PARK
NH3	NH3	D	JCP	116	1443	2002	P FARMANARA, HH RITZE, V STEVT, W RADLOFF, IV HERTEL
NH3	(NH3)2	D	JCP	116	1443	2002	P FARMANARA, HH RITZE, V STEVT, W RADLOFF, IV HERTEL
(NH3)2	He_2700	I	JCP	107	7179	1997	M BEHRENS, U BECK, R FROCHTENICHT, M HARTMANN, M HAVENITH
NH3	OCS		JCP	82	2535	1985	GT FRASER, DD NELSON JR, A CHARO, W KLEMPERER
NH3	N2O		JCP	82	2535	1985	GT FRASER, DD NELSON JR, A CHARO, W KLEMPERER
NH3	N2O		JCP	83	5442	1985	GT FRASER, DD NELSON JR, GJ GERFEN, W KLEMPERER
NH3	CO		JCP	84	2472	1986	GT FRASER, DD NELSON JR, KI PETERSON, W KLEMPERER
NH3	CO	Imm	MP	99	63	2001	C XIA, KA WALKER, ARW McKELLAR
NH3	CF3H		JCP	84	5983	1986	GT FRASER, FJ LOVAS, RD SUENRAM, DD NELSON JR, W KLEMPERER
NH3	CH3OH	M	CP	125	35	1988	GT FRASER, RD SUENRAM, FJ LOVAS, WJ STEVENS
NH3	H2S		JCP	93	5485	1990	P HERBINE, TA HU, G JOHNSON, TR DYKE
NH3	H2S tunnl,int	mm	JCP	102	4321	1995	G HILPERT, GT FRASER, RD SUENRAM, EN KARYKIN
NH3	HCCCCH		JMSp	144	123	1990	K MATSUMURA, FJ LOVAS, RD SUENRAM
NH3	HCCCCH vib couplg		COL	RE10		1994	G HILPERT, GT FRASER, AS PINE
NH3	NCCN	M	JPC	95	2859	1991	I SUNI, S LEE, W KLEMPERER
NH3	NCH	I	CP	156	523	1991	GT FRASER, AS PINE, WA KREINER, RD SUENRAM
NH3	NCH vib couplg		COL	RE10		1994	G HILPERT, GT FRASER, AS PINE
NH3	SiF4		JCP	96	3441	1992	RS RUOFF, TEMILSSON, AI JAMAN, TC GERMANN, HS GUTOWSKI
NH3	SiF4	T	JCP	96	3447	1992	TA KEITH, RFW BADER
NH3	C6H6		NATU	362	735	1993	DA RODHAM, S SUZUKI, RD SUENRAM, FJ LOVAS, S DASGUPTA, WA GODDARD III, GA BLAKE
NH3	C6H5OH	ET	JCP	102	9197	1995	A SCHIEFKE, C DEUSEN, C JACOBY, M GERHARDS, M SCHMITT, K KLEINERMANNS
NH3	(CH2)3	mw	CPL	218	349	1994	SE FOREST, RL KUCZKOWSKI
NH3	BF3		JCSCC		1	1995	D FUJIANG, PW FOWLER, AC LEGON
NH3	Br2	mw	JCP	103	876	1995	HI BLOEMINK, AC LEGON
NH3	ClF	mw	CPL	248	260	1996	HI BLOEMINK, CM EVANS, JH HOLLOWAY, AC LEGON
NH3	SO3	mw	JACS	118	5290	1996	M CANAGARATNA, JA PHILLIPS, H GOODFRIEND, KR LEOPOLD
NH3	SO3 dipole	mw	CPL	281	63	1997	M CANAGARATNA, ME OTT, KR LEOPOLD
NH3	C6H5CHCH2	E	COL	TH04		1995	E ZINGHER, S ZILBERG, Y HAAS
NH3	trans-1-naphthol E	JCP	104	8332		1996	SJ HUMPHREY, DW PRATT
NH3	CH3CCH	mw	JMSp	179	85	1996	RM OMRON, AR HIGHT WALKER, G HILPERT, GT FRASER, RD SUENRAM
NH3	CHCCN	mw	JMSp	179	85	1996	RM OMRON, AR HIGHT WALKER, G HILPERT, GT FRASER, RD SUENRAM
NH3	t-hydroquinone	E	JCP	106	908	1997	SJ HUMPHREY, DW PRATT
NH3	HCCCH3	T	MP	89	1553	1996	B SCHULZ, P BOTSCHWINA
NH3	C6H5NH2	E	JCP	106	3029	1997	JA FERNANDEZ, ER BERNSTEIN
NH3	HNO3	mw	JPCA	103	1322	1999	ME OTT, KR LEOPOLD
NH3	(CH3)3Al	mwT	JACS	121	4674	1999	J MULLER, U RUSCHEWITZ, ..., W STAHL

NH3	C4H5N	mw	JMSp			2008	C RENSING, H MADER, F TEMPS {pyrrole}
NCCN	NCCN	M	JPC	95	2859	1991	I SUNI, S LEE, W KLEMPERER
BF3	Ar		JACS	100	8074	1978	KC JANDA, LS BERNSTEIN, JM STEED, SE NOVICK, W KLEMPERER
BF3	CO		JACS	100	8074	1978	KC JANDA, LS BERNSTEIN, JM STEED, SE NOVICK, W KLEMPERER
BF3	CO	I	JCP	98	3612	1993	GH LEE, M TAKAMI
BF3	CO2	#	JACS	106	897	1983	KR LEOPOLD, GT FRASER, W KLEMPERER
BF3	CO2	mw	COL	TB05		1995	A GRUSHOW, H GOODFRIEND, M CANAGARATNA, KR LEOPOLD, GT FRASER, W KLEMPERER
BF3	CO2	I	JMSt	436	69	1998	LM NXUMALO, TA FORD {issue 436-437 of JMSt}
BF3	N2O		JACS	106	897	1983	KR LEOPOLD, GT FRASER, W KLEMPERER
BF3	NCCN		JACS	106	897	1983	KR LEOPOLD, GT FRASER, W KLEMPERER
BF3	CH3CN	mw	JACS	114	108	1992	MA DVORAK, RS FORD, RD SUENRAM, FJ LOVAS, KR LEOPOLD
BF3	SO2	mw	JMSt	471	235	1998	SA PEEBLES, L SUN, RL KUCZKOWSKI, LM NXUMALO, TA FORD
BF3	(CH2CH2CH)CH3	I	JPCA	105	9058	2001	GP EVERAERT, WA HERREBOUT, BJ van der VEKEN {methylcyclopropane}
CO2	CO	Imw	JCP	91	4440	1989	AC LEGON, AP SUCKLEY
CO2	CO	I	JCSFT	86	1943	1990	RW RANDALL, JPL SUMMERSGILL, BJ HOWARD
CO2	CO dipole		JMSp	190	290	1998	JS MUENTER, R BHATTACHARJEE
CO2	CO	I	JMSp	179	345	1996	Y XU, ARW McKELLAR, BJ HOWARD
CO2	CO dipole	T	CPL	319	231	2000	V KELLO, KP LAWLEY, ..., GHF DIERCKSEN
CO2	CO	I	JCP	143	121101	'15	S SHEYBANI-DELOUI, AJ BARCLAY, KH MICHAELIAN, ARW McKELLAR, N MOAZZEN-AHMADI
CO2	CO2	Ra	CPL	120	313	1985	GA PUBANZ, M MARONCELLI, JW NIBLER
CO2	CO2	I	JCP	86	4341	1987	KW JUCKS, ZS HUANG, RE MILLER, WJ LAFFERTY
CO2	CO2	I	JCP	88	2185	1988	KW JUCKS, ZS HUANG, RE MILLER, GT FRASER, AS PINE, WJ LAFFERTY
CO2	CO2	I	CPL	142	265	1987	MA WALSH, TH ENGLAND, TR DYKE, BJ HOWARD
CO2	CO2	I	JCP	89	100	1988	AS PINE, GT FRASER
CO2	CO2	T	TCA	78	133	1990	RGA BONE, NC HANDY
CO2	CO2	T	JCP	94	2781	1991	JS MUENTER
CO2	CO2	T	JCP	109	2169	1998	S TSUZUKI, T UCHIMARU, M MIKAMI, K TANABE
CO2	CO2	T	JCP	112	5070	2000	H CHEN, JC LIGHT
CO2	CO2	I	JCP			2016	JN OLIAEE, M DEHGHANY, M REZAEI, ARW McKELLAR, N MAOAZZEN-AHMADI
CO2	(CO2)1,2	T	JCP	110	3785	1999	R BUKOWSKI, J SADLEJ, ..., K SZALEWICZ, SA KUCHARSKI, HW WILLIAMS, BM RICE
CO2	(CO2)2	I	JCP	87	1502	1987	GT FRASER, AS PINE, WJ LAFFERTY, RE MILLER
CO2	(CO2)2	I	JCP	89	100	1988	AS PINE, GT FRASER
CO2	(CO2)2	I	JCP	103	7685	1995	MJ WEIDA, JM SPERHAC, DJ NESBITT
CO2	(CO2)2	I	JCP	105	102101	1996	MJ WEIDA, DJ NESBITT
CO2	OCS	mw	JCP	88	687	1988	SE NOVICK, RD SUENRAM, FJ LOVAS
(CO2)2	OCS	mw	CPL	286	421	1998	SA PEEBLES, RL KUCZKOWSKI
(CO2)2	OCS	mw	JCP	109	5276	1998	SA PEEBLES, RL KUCZKOWSKI
CO2	(OCS)2	mw	JPCA	102	8091	1998	SA PEEBLES, RL KUCZKOWSKI
CO2	(OCS)2	T	JCPA	106	3690	2002	H VALDES, JA SORDO
CO2	H2CO		JMSp	154	72	1992	TA BLAKE, SE NOVICK, FJ LOVAS, RD SUENRAM
CO2	HCCH	IM	JCP	89	1245	1988	DG PRICHARD, RN NANDI, JS MUENTER, BJ HOWARD
CO2	HCCH		JCP	90	4048	1989	JS MUENTER
CO2	HCCH	T	JCP	94	2781	1991	JS MUENTER
CO2	HCCH	T	JPC	95	3519	1991	CR LE SUEYR, AJ STONE, PW FOWLER
(CO2)2	HCCH etc	T	COL	RE04		1994	Z LI, JS MUENTER
CO2	C2H4	I	JCP	103	7788	1995	RJ BEMISH, PA BLOCK, LG PEDERSEN, RE MILLER
CO2	C2H4	I	COL	TL14		1995	RJ BEMISH, PA BLOCK, RE MILLER
CO2	H2S	M	JCP	92	6408	1990	JK RICE, LH COUDERT, K MATSUMURA, RD SUENRAM, FJ LOVAS, W STAHL, DJ PAULEY, SG KUKOLICH
CO2	H2	I	JCP	122	174313	'05	ARW McKELLAR
CO2	SO2	mw	MP	88	255	1996	L SUN, II IOANNOU, RL KUCZKOWSKI
CO2	SO3 matrix	I	JMSt	608	147	2002	A GIVAN, A LOEWENSCHUSS, CJ NIELSON
CO2	H2SO4 matrix	I	JMSt	608	147	2002	A GIVAN, A LOEWENSCHUSS, CJ NIELSON
CO2	N2O	I	JPC	100	17772	1996	C DUTTON, A SAZONOV, RA BEAUDET
CO2	N2O	mw	JCP	108	3955	1998	HO LEUNG
CO2	N2O	mw	JMSp	196	149	1999	MD MARSHALL, HO LEUNG {CO2--15^N-14^N-O}
(CO2)2	N2O	mw	MP	96	1355	1999	RA PEEBLES, SA PEEBLES, RL KUCZKOWSKI
CO2	CS2	I	JPCA	102	6904	1998	C DUTTON, DA DOWS, ..., RA BEAUDET
CO2	C6H5NH2	mw	JMSp	198	263	1999	M HAEKE, W STAHL {aniline}
CO2	c-C7H5OOH	LIF	JPCA	103	8389	1999	VJ MACKENZIE, MZ ZGIERSKI, RP STEER {tropolone}
CO2	C14H8CN	RCS	JPCA	105	4781	2001	K EGASHIRA, Y OHSHIMA, O KAJIMOTO {9-cyanoanthracene}
CO2	CH3OH	mw	JMSP	239	94	2006	VV ILYUSHIN, FJ LOVAS, DF PLUSQUELLIC
CO2	HCF3	mw	JMSp	250	1	2008	MM SERAFIN, RA PEEBLES, SA PEEBLES
CO2	CH2(O)CH2	mw	JPCA	116	1224	2011	Y KAWASHIMA, A SATO, Y ORITA {ethylene oxide}
CO2	CH2(S)CH2	mw	JPCA	116	1224	2011	Y KAWASHIMA, A SATO, Y ORITA {ethylene sulfide}
CO2	HCCCN	I	JMSp	180	1	1996	X YANG, RZ PEARSON, G SCOLES
CO2	HCCCN	mw	JMSp			2017	L KANG, P DAVIS, I DORELL, K LI, O ONCER, L WANG, SE NOVICK, SG KUKOLICH
CO2	CH2(O)CHCH3	mw	JMSp	268	78	2011	Y ORITA, Y KAWASHIMA, E HIROTA {propylene oxide}
CO2n	Fe+	I	CPL	349	451	2001	G GREGOIRE, J VALASQUEZ, MA DUNCAN
(CO2)n	I2	PE	JCP	116	6111	2002	H GOMEZ, TR TAYLOR, DM NEUMARK
CO2	c-NCHCFCHCFCH	mw	JMSp	328	67	2016	CT DEWBERRY, RD CORNELIUS, RB MAACKENZIE, CJ SMITH, MA DVORAK, KR LEOPOLD {3,5-difluoropyridine}

CO	CH2(O)CH2	mw	JPCA			2012	Y KAWASHIMA, A SATO, Y ORITA {ethylene oxide}
CO	CH2(S)CH2	mw	JPCA			2012	Y KAWASHIMA, A SATO, Y ORITA {ethylene sulfide}
OCS	OCS	I	MP	69	839	1990	RW RANDALL, JM WILKE, BJ HOWARD, JS MUENTER
OCS	OCS	T?	JMSt	247	89	1991	AA DEAKIN, SH WALMSLEY
OCS	OCS	T	CPL	206	260	1993	RGA BONE
OCS	OCS polar	I	JCP	126	071102	'07	M AFSHARI, M DEHGHANI, Z ABUSARA, N MOAZZEN-AHMADI, ARW McKELLAR
OCS	OCS polar	mw	JCP	126	101101	'07	AJ MINEI, SE NOVICK
OCS	OCS	I	CPL	437	23	2007	M AFSHARI, Z ABUSARA, M DEHGHANI, N MOAZZEN-AHMADI, ARW McKELLAR
OCS	(OCS)2	mw	JPCA	103	6344	1999	RA PEEBLES, RL KUCZKOWSKI
OCS	(OCS)2	mw	JCP			2015	L EVANGELISTI, C PEREZ, NA SEIFERT, BH PATE, M DEHGHANY, N MOAZZEN-AHMADI, ARW McKELLAR
OCS	(OCS)3	mw,I	JCP			2015	L EVANGELISTI, C PEREZ, NA SEIFERT, BH PATE, M DEHGHANY, N MOAZZEN-AHMADI, ARW McKELLAR
OCS	C6H6	mw	BBPC	99	434	1995	U DAHMEN, H DREIZLER, W STAHL
OCS	HCCH	mw	JPCA	103	3884	1999	SA PEEBLES, RL KUCZKOWSKI
OCS	HCCH	mw	CPL	312	357	1999	SA PEEBLES, RL KUCZKOWSKI
OCS	CH4		MP	100	2679	2002	JPI HEARN, BJ HOWARD
(OCS)2	HCCH	mw	CPL	308	21	1999	SA PEEBLES, RL KUCZKOWSKI
(OCS)2	HCCH	mw	JCP	111	10511	1999	SA PEEBLES, RL KUCZKOWSKI
(OCS)2	C2H4	mw	JMSt	612	261	2002	RA PEEBLES, SA PEEBLES, RL KUCZKOWSKI
SO2	SO2		JCP	83	945	1985	DD NELSON, GT FRASER, W KLEMPERER
SO2	SO2		JCP	94	6956	1991	A TALEB-BENDIAB, KW HILLIG II, RL KUCZKOWSKI
SO2	H2S		CPL	132	67	1986	DJ PAULEY, RE BUMGARNER, SG KUKOLICH
SO2	H2S		JCP	87	3749	1987	RE BUMGARNER, DJ PAULEY, SG KUKOLICH
SO2	H2S		JCP	91	5887	1987	K MATSUMURA, FJ LOVAS, RD SUENRAM
SO2	H2S		JCP	93	871	1990	SG KUKOLICH, DJ PAULEY
SO2	CS2	mw	JCP	110	6804	1999	SA PEEBLES, L SUN, RL KUCZKOWSKI
SO2	(CH3)3N	M	Col			1989	JJ OH, MS LABARGE, JA MATOS, KW HILLIG II, RL KUCZKOWSKI
SO2	C2H4	M	JCP	93	7030	1990	AM ANDREWS, A TALEB-BENDIAB, MS LABARGE, KW HILLIG II, RL KUCZKOWSKI
SO2	C2H4 int rot	T	JCP	102	4184	1995	SM RESENDE, WB DE ALMEIDA
SO2	C2H4	T	JCP	110	377	1999	VM RAYON, JA SORDO
SO2	CH2CHCHCH2	mw	JACS	115	5723	1993	L-W XU, A TALEB-BENDIAB, L NEMES, RL KUCZKOWSKI
SO2	C6H6	M	CPL	159	559	1989	MS LABARGE, JJ OH, KW HILLIG II, RL KUCZKOWSKI
SO2	C6H6		JCP	97	2996	1992	A TALEB-BENDIAB, KW HILLIG II, RL KUCZKOWSKI
SO2	C6H5F	mw	JMSt	376	1	1996	RJ WILSON, RL KUCZKOWSKI
SO2	CH3C6H5		JCP	98	3627	1993	A TALEB-BENDIAB, KW HILLIG II, RL KUCZKOWSKI
SO2	CH2CHCH3	mw	JCP	100	1	1994	LW XU, RL KUCZKOWSKI
SO2	CH3CCH	mw	JCP	101	6512	1994	XQ TAN, LW XU, MJ TUBERGEN, RL KUCZKOWSKI
SO2	C5H5N	M	CPL	159	559	1989	MS LABARGE, JJ OH, KW HILLIG II, RL KUCZKOWSKI {pyridine}
SO2	(CH3)2NH		Col			1990	JJ OH, KW HILLIG II, RL KUCZKOWSKI
SO2	(CH3)2O		InO	30	4583	1991	JJ OH, KW HILLIG II, RL KUCZKOWSKI
SO2	HCCH	M	JCP	94	6947	1991	AM ANDREWS, KW HILLIG II, RL KUCZKOWSKI, AC LEGON, NW HOWARD
SO2	(CH2)3	M	JCP	96	1784	1992	AM ANDREWS, KW HILLIG II, RL KUCZKOWSKI
SO2	c-(CH2)3	T	JCP	110	377	1999	VM RAYON, JA SORDO
SO2	C4H4O		JMSp	153	497	1992	JJ OH, LW XU, A TALEB-BENDIAB, KW HILLIG II, RL KUCZKOWSKI
SO2	N2	IM	JCP	97	832	1992	YD JUANG, MA WALSH, AK LEWIN, TR DYKE
SO2	O2	mw				1996	C LUGEZ, ARH WALKER, RD SUENRAM, JT HOUGEN, GT FRASER, W FAWZY
SO2	CH3OH	mw	JCP	103	6440	1995	L SUN, XQ TAN, JJ OH, RL KUCZKOWSKI
SO2	N2O	mw	JPCA			2000	RA PEEBLES, RL KUCZKOWSKI
SO2	(N2O)2	mw	JCP	112	8839	2000	RA PEEBLES, RL KUCZKOWSKI
N2O	N2O	I	JCP	89	5408	1988	ZS HUANG, RE MILLER
N2O	N2O	I	Col			1987	M GAUTHER, PA HACKETT
N2O	N2O	I	CPL	152	294	1988	Y OHSHIMA, Y MATSUMOTO, M TAKAMI, K KUCHITSU
N2O	N2O	I	MP	91	689	1997	H-B QIAN, W HERREBOUT, BJ HOWARD
N2O	N2O polar	I	JCP	126	164310	'07	M DEHGHANI, M AFSHARI, Z ABUSARA, N MOAZZEN-AHMDI, ARW McKELLAR
N2O	N2O polar	mw	JMSp	251	210	2008	NR WALKER, AJ MINEI, SE NOVICK, AC LEGON
N2O	N2O nonpolar	I	JCP	136	124308	'12	M REZAEL, KH MICHAELIAN, N MOAZZEN-AHMADI
N2O	(N2O)2	I	JCP	108	436	1998	RE MILLER, L PEDERSEN
N2O	HCCH	I	JCP	95	1537	1991	TA HU, L HONG SUN, JS MUENTER
N2O	HCCH	mw	JCP	107	2232	1997	HO LEUNG
N2O	O2	I	COL	92	ME10	1992	SW BUNTE, YS LIN, C WITTIG, RA BEAUDET
N2O	O2 hamiltonian	T	JCP	107	7651	1997	H-B QIAN, SJ LOW, D SECCOMBE, BJ HOWARD
N2O	O2	mw	JCP	107	7658	1997	H-B QIAN, D SECCOMBE, BJ HOWARD
N2O	O2 hamiltonian	T	JCP	109	348	1998	WM FAWZY {comment on Qian et al}
N2O	CH4	I	COL	92	WG11	1992	YS LIN, C WITTIG, RA BEAUDET
N2O	H2O		JCP	97	2861	1992	D ZOLANDZ, D YARON, KI PETERSON, W KLEMPERER
N2O	C2H4	I&T	JCP	104	4411	1996	RJ BEMISH, W RHEE, LG PEDERSEN, RE MILLER
N2O	OCS	mw	JCP	114	4829	2001	HO LEUNG, AM OSOWSKI, OA OYEYEMI
N2O	OCS	T	CPL	348	126	2001	MJ WOJCIK, M BOCZAR, TA FORD
N2O	CH3OCH3	mw	JPCA			2008	K YAMONOU, Y TATAMITANI, H KANNO, T OGATA
H2CO	HCCH	M	JCP	88	6793	1988	NW HOWARD, AC LEGON
H2CO	H2CO	M	JCP	92	891	1990	FJ LOVAS, RD SUENRAM, LH COUDERT, TA BLAKE, KJ GRANT, SE NOVICK
H2CO	H2CO	I	CPL	349	562	2001	MV VERNER, O KUHN, JM BOWMAN
H2CO	CH3OCH3	mw	JPCA			2015	Y TATAMITANI, Y KAWASHIMA, Y OSAMURA, E HIROTA

H2CO	CH3SCH3	mw	JPCA			2015	Y TATAMITANI, Y KAWASHIMA, Y OSAMURA, E HIROTA
CH3OH	NH2CHO		JCP	88	???	1988	FJ LOVAS, RD SUENRAM, GT FRASER, CW GILLIES, J ZOZOM
CH3OH	CH3COCH3	I	COL	FC05		1994	WD STORK, CT LAUSH, JM LISY
CH3OH	(CH2)3	mw	JMSt	413	255	1997	SE FOREST, SA PEEBLES, L SUN, AM ANDREWS, RL KUCZKOWSKI
CH3OH	CH3OH	mw	JMSp	185	98	1997	FJ LOVAS, H HARTWIG
CH3OH	CH3OH	mw	JMSp	194	95	1999	CL LUGER, FJ LOVAS, JT HOUGEN, N OHASHI
CH3OH	(CH3OH)2	T	JCP	111	3027	1999	GS TSCHUMPER, JM GONZALES, HF SCHAEFER III
CH3OH	(CH3OH)n {1-3}	ICRD	JCP	110	4258	1999	RA PROVENCAL, JB PAUL, K ROTH, C CHAPO, RN CASAES, RJ SAYKALLY, GS TSCHUMPER, HF SCHAEFER III
CH3OH	C6H5OH	E	COL	TH02		1995	M SCHMITT, U HENRICHES, H MULLER, M GERHARDS, K KLEINERMANNS
CH3OH	C6H5OH	E	JPCA	106	3998	2002	C PLUTZER, C JACOBY, M SCHMITT
CH3OH	C6H5OH	E	PCCP	5	4114	2003	A WESTPHAL, C JACOBY, C RATZER, M SCHMITT
CH3OH	(CH3)3N	mw	JMSp	177	181	1996	X-Q TAN, II IOANNOU, KB FOLTZ, RL KUCZKOWSKI
CH3OH	C6H5NH2	mw	JMSp	198	263	1999	M HAECKEL, W STAHL {aniline}
CH3OH	H2COH	mw	JMSP	239	94	2006	VV ILYUSHIN, FJ LOVAS, DF PLUSQUELLIC
(CH3OH)n	c-C6H5CN n=1-3	IRa	JCP	110	9504	1999	S ISHIKAWA, T EBATA, N MIKAMI {benzonitrile}
CH3CN	HCCH		JCP	85	6898	1986	NW HOWARD, AC LEGON
CH3CN	SO3	mw	COL	TB08		1995	WA BURNS, JA PHILLIPS, M CANAGARATNA, H GOODFRIEND, KR LEOPOLD
CH3CN	F2	mw	CPL	260	388	1996	G COTTI, SA COOKE, CM EVANS, JH HOLLOWAY, AC LEGON
CH3CN	C6H5OH	T	JPCA	106	4267	2002	ES KRYACHKO, MT NGUYEN
(CH3)2NH	(CH2)3	mw	JACS	118	217	1996	SE FOREST, RL KUCZKOWSKI
(CH3)3N	(CH2)3	mw	JACS	118	217	1996	SE FOREST, RL KUCZKOWSKI
(CH3)3N	H2S	mw	JCP	107	2227	1997	MJ TUBERGEN, JE FLAD, JE DEL BENE
(CH3)3N	SO3	mw	InC	39	37	2000	DL FIACCO, A TORO, KR LEOPOLD
HCCCN	SO3	mw	JMSp	212	213	2002	SW HUNT, DL FIACCO, M CRADDOCK, KR LEOPOLD
HCCH	HCCH	IM	JCP	89	115	1988	DG PRICHARD, RN NANDI, JS MUENTER
HCCH	HCCH	I	CPL	88	1	1988	Y OHSHIMA, Y MATSUMOTO, M TAKAMI, K KUCHITSU
HCCH	HCCH	I	JCP	89	6028	1988	GT FRASER, RD SUENRAM, FJ LOVAS, AS PINE, JT HOUGEN, WJ LAFFERTY, JS MUENTER
DCCD	DCCD		JCP			1992	RL BHATTACHARJEE, JS MUENTER, LH COUDERT,
HCCH	HCCH	T	JPC	95	3519	1991	CR LE SUEYR, AJ STONE, PW FOWLER
HCCH	HCCH	T	JCP	94	2781	1991	JS MUENTER
HCCH	HCCH ang/r tunn		JCP	98	988	1993	II SUNI, W KLEMPERER
HCCH	HCCH	T	CP	206	1	1996	SM RESENDE, WB De ALMEIDA
HCCH	DCCD etc		JMSp	150	576	1991	K MATSUMURA, FJ LOVAS, RD SUENRAM
DCCD	DCCD hyperfine		JCP	97	8850	1992	RL BHATTACHARJEE, JS MUENTER, LH COUDERT
HCCH	HCCH	T	JPCA	103		1999	A KARPFEN
HCCH	(HCCH)2	I	CPL	135	9	1987	D PRICHARD, JS MUENTER, BJ HOWARD
(HCCH)2	(HCCH)2	IM	CPL	151	309	1988	GW BRYANT, DF EGGERS, RO WATTS
HCCH	CO	IM	JCP	90	6049	1989	MD MARSHALL, DG PRICHARD, JS MUENTER
HCCH	CO	I	COL	ME13		1991	MD MARSHALL, RE MILLER
HCCH	CO	T	CPL	182	551	1991	SAC MCDOWELL, AD BUCKINGHAM
HCCH	CO		CPL	188	232	1992	MA ROEHRIG, SG KUKOLICH
HCCH	CO		JCP	97	1619	1992	TC GERMANN, SL TSCHOPP, HS GUTOWSKY
HCCH	CO	I	JMSp	158	306	1993	RD BECK, AG MAKI, SH TSENG, RO WATTS
HCCH	CO	I	JMSp	194	281	1999	JA ANSTEY, MD BROOKES, ARW McKELLAR
HCCD	CO	I	JMSp	204	148	2000	I HUNIG, L OUDEJANS, RE MILLER
HCCH	CO2	I	CP	132	185	1989	ZS HUANG, RE MILLER
HCCH	H2CCO	m	JACS	115	9253	1993	JZ GILLES, CW GILLES, FJ LOVAS, RD SUENRAM
HCCH	HONC		COL	92	RB08	1992	CW GILLES, JZ GILLES, FJ LOVAS, RD SUENRAM, K HERBERT
HCCH	HCCCN	I	JCP	105	107251	1996	X YANG, RZ PEARSON, KK LEHMANN, G SCOLES
HCCH	Cl2	T	MP	91	635	1997	SM RESENDE, WB DeALMEIDA
HCCH	Br2	mw	CPL	350	39	2001	JB DAVEY, AC LEGON
HCCH	(CH3)3N	mw	JMSt	189	137	1988	AC LEGON, CA REGO
HCCH	OH	I	JCP	121	5945	2004	MD MARSHALL, JB DAVEY, ME GREENSLADE, MI LESTER
(HCCH)1,2	C6H6	E	JCP	110	9081	1999	MY SHELLY, H-L DAI, T TROXLER
HCCH	CuCl	mw	InC			2014	SL STEPHENS, DM BITTNER, VA MIKHAILOV, W MIZUKAMI, DP TEW, NR WALKER, AC LEGON
HCCH	NC5H5	mw	JCP	143	104309	'15	RB MACKENZIE, CT DEWBERRY, E COULSTON, GC COLE, AC LEGON, DP TEW, KR LEOPOLD {pyridine}
HC4H	HC4H	T	JPCA	103		1999	A KARPFEN
C2H4	H2CCO	m	JACS	116	5285	1994	FJ LOVAS, RD SUENRAM, CW GILLIES, JZ GILLIES
C2H4	C2H4	I	JCP	87	873	1987	KGH BALDWIN, RO WATTS
C2H4	C2H4	T	JCP	89	3970	1988	SR HAIR, JA BESWICK, KC JANDA
C2H4	C2H4	S	CPL	144	396	1988	U BECK, CH LAUENSTEIN, A RUDOLPH, B HEIJMEN, S STOLTE, J RUESS
C2H4	C2H4	I	JCP	102	3993	1995	MC CHAN, PA BLOCK, RE MILLER
C2H4	HCCH	mI	CP	163	91	1992	GT FRASER, FJ LOVAS, RD SUENRAM, JZ GILLIES, CW GILLIES, PW FOWLER, Z KISIEL
C2H4	HCNO					1991	RD SUENRAM, FJ LOVAS
C2H4	N2O	I	COL	TL13		1995	RJ BEMISH, W RHEE, RE MILLER
C2H4	ClF	mw	CPL	250	567	1996	JH HOLLOWAY, AC LEGON
C2H4	H2S	mw	CPL	393	22	2004	M GOSWAMI, PK MANDAL, DJ RAMDASS, E ARUNAN
C2H4	C6H6	mw	JPCL			2012	P AISWARYALAKSHMI, E ARUNAN
C2H4	CuCl	mw	InC			2014	SL STEPHENS, DM BITTNER, VA MIKHAILOV, W MIZUKAMI, DP TEW, NR WALKER,

								AC LEGON
O2	O2		T	JCP	87	5346	1987	A VAN DER VOIRD, G BROCKS
O2	O2		T	JCP	108	3566	1998	D LAUVERGNAT, DC CLARY
O2	O2		E	CPL	288	734	1998	A CAMPARGUE, L BIENNIER, ..., R BACIS
H2S	H2S		mw	Col			1988	FJ LOVAS, RD SUENRAM, LH COUDERT
H2S	H2S		T	CPL	243	158	1995	G de OLIVEIRA, CE DYKSTRA
H2S	H2S		mw	unpublished			2004	E ARUNAN
H2S	H2S		IVUV	CPC			2012	A BHATTACHERJEE, Y MATSUDA, A FUJI, S WATEGAONKAR
H2S	AgI		mw	CPL			2012	SZ RIAZ, SL STEPHENS, W MIZUKAMI, DP TEW, NR WALKER, AC LEGON
H2S	AgCl		mw	ACI	49	181	2010	SJ HARRIS, AC LEGON, NR WALKER, DE WHEATLY
H2S	C6H5CCH		mw	JMSp	268	147	2011	M GOSWAMI, E ARUNAN {phenylacetylene}
O3	C2H4		M	JACS	111	3073	1989	JZ GILLES, CW GILLES, RD SUENRAM, FJ LOVAS, W STAHL
O3	C2H4		M	JACS	113	2412	1991	CW GILLES, JZ GILLES, RD SUENRAM, FJ LOVAS, E KRAKA, D CREMER
O3	C2H2		M	Col			1989	JZ GILLES, CW GILLES, K MATSUMURA, RD SUENRAM, FJ LOVAS
O3	CH4		mw	JCP	113	2139	2000	AR HIGHT WALKER, GT FRASER, RD SUENRAM, FJ LOVAS
Na	H2O		ZEKE	JCP	108	4817	1998	K WANG, DA RODHAM, V McKOY, GA BLAKE
Na	HF		T	JCP	110	5634	1999	M TOPALER, P PIECUCH, DG TRUHLAR
Hg	OCS		M	JCP	94	6989	1991	M IIDA, Y OHSIMA, Y ENDO
Hg	CO2		M	JCP	95	4772	1991	M IIDA, Y OHSIMA, Y ENDO
Hg	HCN			COL	92	TH02	1992	T EMILSSON, HS GUTOWSKY
DCOOH	DCOOH tunnel		I	JCP	117	7162	2002	F MADEJA, M HAVENITH {formic acid dimer tunneling}
C6H5OH	C6H5OH		E	JCP	96	2585	1992	LL CONNELL, SM OHLINE, PW JOIREMAN, TC CORCORAN, PM FELKER
C6H5OH	C6H5OH		E	JCP	103	9918	1995	M SCHMITT, U HENRICHS, H MULLER, K KLEINERMANNS
C6H5OH	C6H5OH		RCS	JPCA	105	5679	2001	A WEICHERT, C RIEN, B BRUTSCHY
HCCCN	HCCCN		I	JCP	99	876	1993	ERTH KERSTEL, G SCOLES, X YANG
HCCCN	HCCCN		T	CPL	285	198	1998	JA PLATTS, ST HOWARD, IA FALLIS
HCCCN	HCCCN		mw	JMSp	321	5	2016	L KANG, P DAVIS, I DORELL, K LI, SE NOVICK, SG KUKOLICH
HCCCN	(HCCCN)2		I	JCP	103	8828	1995	X YANG, ERTH KERSTEL, G SCOLES, RJ BEMISH, RE MILLER
HCCCN	(HCCCN)3		I	JCP	103	8828	1995	X YANG, ERTH KERSTEL, G SCOLES, RJ BEMISH, RE MILLER
HCCCN	BF3		I	JCP	101	2762	1994	ERTh KERSTEL, BH PATE, TF MENTEL, X YANG, G SCOLES
C6H6	C6H6		M	JCP	98	4294	1993	E ARUNAN, HS GUTOWSKY
C6H6	C6H6		Ra	JCP	97	2189	1992	BF HENSON, GV HARTLAND, VA VENTURO, P FELKER
C6H6	C6H6		T	JPC	97	3937	1993	P HOBZA, HL SELZLE, EW SCHLAG
C6H6	C6H6		Ra	JCP	99	748	1993	VA VENTURO, PM FELKER
C6H6	C6H6+		T	COL	FC13		1995	R SADYGOV, EC LIM
C6H6	C6H6		Ra	JCP	98	8361	1993	BF HENSON, VA VENTURO, GV HARTLAND, PM FELKER
C6H6	C6H6		T	JCP	105	2780	1996	R L JAFFE, GD SMITH
C6H6	C6H6		T	JPC	100	187901996		P HOBZA, HL SELZLE, EW SCHLAG
C6H6	C6H6		T	JCP	111	572	1999	V SPIRKO, O ENGKVIST, P SOLDAN, HL SELZLE, EW SCHLAG, P HOBZA
C6H6	C6H6		I	JPCA	115	11263	2011	V CHANDRASEKARAN, L BIENNIER, E ARUNAN, D TALBI, R GEORGES
C6H6	CHCl3		E	COL	93	RF07	1993	AJ GOTCH, RN PRIBBLE, F ENSMINGER, TS ZWIER
C6H6	H2CO		T	JCP	102	6812	1995	PI NAGY, CW ULMER II, DA SMITH
C6H6	H2S		mw	JCP	117	9766	2002	E ARUNAN, T EMILSSON, HS GUTOWSKY, GT FRASER, G de OLIVERIA, CE DYKSTRA
C6H6	(CH3OH)m 1-6		I	JCP	106	2145	1997	RN PRIBBLE, FC HAGEMEISTER, TS ZWIER
C6H6n	Mn		T	CPL	350	393	2001	GE FROUDAKISI, AN ANDROITS, M MENON
C6H6n	Ni		T	CPL	350	393	2001	GE FROUDAKISI, AN ANDROITS, M MENON
C6H6n	V		T	CPL	350	393	2001	GE FROUDAKISI, AN ANDROITS, M MENON
NO2	NO2		I	JCP	100	6993	1994	JL DOMENECH, AM ANDREWS, SP BELOV, GT FRASER, WJ LAFFERTY
CS2	?		I	COL	92	TG09	1992	MA WALSH, A LEWIN, TD JUANG, J CRUZAN, TR DYKE
ICCH	ICCH		I	JMSp	162	342	1993	ERT KERSTEL, KK LEHMANN, TF MENTEL, G SCOLES, JH TIMMERMANS
CH3OH	CH3OH		T	JMSp	163	86	1994	N OHASHI, JT HOUGEN
CH3OH	CH3OH		mw	JMSp	170	4785	1995	FJ LOVAS, SP BELOV, MY TRETYAKOV, W STAHL, RD SUENRAM
CH3OH	CH3OH		T	JMSp	170	493	1995	N OHASHI, JT HOUGEN
CH4	C6H7N	ZEKE		JCP	97	2843	1992	X ZHANG, JM SMITH, JL KNEE
CH4	C10H7F		E	JCP	102	6432	1995	BB CHAMPAGNE, JF PFANSTIEL, DW PRATT, RC ULSH {1- and 2-fluoronapthalene}
CH4	OCS		mw	MP	100	2679	2002	JPI HEARN, BJ HOWARD
CH2F2	CH2F2		mw	ACI	38	2924	1999	W CAMINATI, S MELANDRI, ..., PG FAVERO
CH2F2	CH2F2		mw	JMSt	612	255	2002	S BLANCO, JC LOPEZ, A LESARRI, JL ALONSO
C6H5OH	C6H5OH	ZEKE		JCP	98	1933	1993	O DOPFER, G LEMBACH, TG WRIGHT, K MULLER-DETHLEFS
C6H5OH	c-(CH2)2O		ET	JCP	110	1463	1999	A INAUEN, J HEWEL, S LEUTWYLER {oxirane}
H2	O (3^P)		T	JCP	108	4467	1998	MH ALEXANDER
H2	OH		T	JCP	98	1843	1993	SM MILLER, DC CLARY
H2	OH		E	JCP	104	6984	1996	RA LOOMIS, RL SCHWARTZ, MI LESTER
H2	OH		I	CPL	273	18	1997	RL SCHWARTZ, DT ANDERSON, MW TODD, MI LESTER
H2	OH		I	JCP	109	10707	'98	JM HOSSENLOPP, DT ANDERSON, MW TODD, MI LESTER
H2	HCO+		IT	JCP	102	5152	1995	EJ BIESKE, SA NIZKORODOV, FR BENNETT, JP MAIER
H2O2	H2O2		T	JCP	100	2871	1994	O MO, M YANEZ, I ROZAS, J ELGUERO
CH3OCH3	CH3OCH3			JACS	124	2737	2002	Y TATAMITANI, B LIU, J SHIMADA, T OGATA, P OTTAVIANI, A MARIS, W CAMINATI, J ALONSO
CH3OCH3	CH3SCH3		mw	JPCA			2015	Y TATAMITANI, Y KAWASHIMA, E HIROTA
CH3OCH3	CH2CHF			JMSp	222	102	2003	Y TATAMITANI, T OGATA
CH3OCH3	CF2CHF			JMSp	222	102	2003	Y TATAMITANI, T OGATA
CH3OCH3	OCS		mw	JCPA	108	7372	2004	JJ NEWBY, RA PEEBLES, SA PEEBLES
CH3OCH3	CO2		mw	JCPA	10811234		2004	JJ NEWBY, RA PEEBLES, SA PEEBLES

CH3OCH3	CS2	mw	CPL	410	77	2005	SA PEEBLES, RA PEEBLES, JJ NEWBY, MM SERAFIN
CH3OCH3	HCCH	mw	JPCA	109	5316	2005	JJ NEWBY, MM SERAFIN, RA PEEBLES, SA PEEBLES
CH3OCH3	CO	mw	JCP	127	194302'07		Y KAWASHIMA, Y MORITA, Y TATAMITANI, N OHASHI, E HIROTA
CH3OCH3	(CH3)3COH	mw	JMSp			2011	L EVANGELISIT, W CAMINATI {dimethylether tert-butylalcohol}
CH3OCH3	CF3Cl	mw	JCPA	118	579	2014	L EVANGELISTI, G FENG, Q GOU, J-U GRABOW, W CAMINATI
CH3OCH3	CH3CH2OH	mw	CEJ			2017	Q GOU, LB FAVERO, G FENG, L EVANGELISTI, C PEREZ, W CAMINATI
(CH3)2NH	(CH3)2NH	mw	JCP	100	3377	1994	MJ TUBERGEN, RL KUCZKOWSKI
NCCN	NCCN	T ?	MP	81	1397	1994	WB DE ALMEIDA, SM RESENDE, HF DOS SANTOS
PCCP	PCCP	T ?	MP	81	1397	1994	WB DE ALMEIDA, SM RESENDE, HF DOS SANTOS
(CH)4NH	(CH)4NH	mw	JCP	106	504	1997	G COLUMBERG, A BAUDER {pyrole}
SiF4	SiF4	I	JCP	102	3017	1995	R-D URBAN, M TAKAMI
I-	CH3I	D	JCP	105	104161995		CEH DESSENT, G BAILEY, MA JOHNSON
(CH)3NCHN	(CH)3NCHN	IT	MP	91	513	1997	W MCCARTHY, J SMETS, L ADAMOWICZ, AM PLOKHOTNICHENKO
CF3COOH	c-CH2CH2CHCOOH	mw	ZNAT	52	803	1997	S ANTOLINEZ, H DREIZLER, V STORM, DH SUTTER, JL ALONZO {trifluoroacetic acid cyclopropanecarboxylic acid}
C6H5COOH	C6H5COOH	E	JCP	112	108902000		K REMMERS, WL MEERTS, I OZIER {benzoic acid}
HCOOH	HCOOH	I	CPL	318	571	2000	F ITO, T NAKANAGA
HCOOH	HCOOH	I	ARPC	60	263	2009	O BIRER, M HAVENITH {formic acid dimer}
HCOOH	HCOOH CavRD	I	CP	277	163	2002	F ITO, T NAKANAGA
HCOOH	HCCCOOH	mw	JCP	132	201101 '10		AM DAILEY, PR BUNKER, SG KUKOLICH {formic acid, propriolic acid}
HCOOH	HCCCOOH	mw	JCP	135	154304 '11		AM DAILEY, KO DOUGLASS, LC SARKOZY, JL NEILL, MT MUCKLE, DP ZALESKI, BH PATE, SG KUKOLICH {formic acid, propiolic acid}
HCOOH	HCCCOOH	mw	JCP	139	084316 '13		M SUN, Y WANG, SJ CAREY, EG MITCHELL, J BOWMAN, SG KUKOLICH
HCOOH	HCCCOOH	mw	JPCA	117	9525	2013	SG KUKOLICH, EG MITCHELL, SJ CAREY, M SUN, BA SARGUS
HCOOH	C6H5COOH	mw	JPCL	3	3770	2012	L EVANGELISTI, P ECIJA, EJ COCINERO, F CASTANO, A LESARRI, W CAMINATI, R MEYER
HCOOH	CH3COOH	mw	JCP	134	054316 '11		MCD TAYLER, B OUYANG, BJ HOWARD {formic acid, acetic acid}
HCOOH	CF3COOH	mw	CP	148	129	1990	L MARTINACHE, W KRESA, M WEGENER, U VONMOUNT, A BAUDER
HCOOH	C5H5N	T	JPCA	106	4187	2002	MJ FERNANDEZ-BERRIDI, JJ IRUIN, L IRUSTA, JM MERCERO, JM UGALDE {pyridine}
HCOOH	CH2CHCOOH	mw	PCCP	15	2917	2013	G FENG, Q GOU, L EVANGELISTI, Z XIA, W CAMINATI
HCOOH	HNO3	mw	JPCA			2014	RB MACKENZIE, CT DEWBERRY, KR LEOPOLD {formic acid nitric acid}
HCOOH	F2CHCOOH	mw	CPL	591	301	2014	Q GOU, G FENG, E EVANGELISTI, W CAMINATI {formic acid difluoroacetic acid}
HCOOH	C3F7COOH	mw	JMSp	335	88	2017	J THOMAS, MJ CARRILLO, A SERATO III, W LIN, W JAEGER, Y XU {perfluorobutyric acid}
CH3COOH	CF3COOH	mw	CP	148	129	1990	L MARTINACHE, W KRESA, M WEGENER, U VONMOUNT, A BAUDER
C3H5COOH	CF3COOH	mw	ZNAT	52	803	1997	S ANTOLINEZ, H DREIZLER, V STORM, DH SUTTER, JL ALONSO
CH2CHCOOH	CHF2COOH	mw	ACI	53	530	2014	G FENG, Q GOU, L EVANGELISTI, W CAMINATI
CH2CHCOOH	CH2CHCOOH	mw	JACS	134	19281	2012	G FENG, LB FAVERO, A MARIS, A VIGORITO, W CAMINATI, R MEYER
(CH3)2O	CF2CH2	mw	JMSp			2003	Y TATAMITANI, T OGATA
(CH3)2O	CF2CHF	mw	JMSp			2003	Y TATAMITANI, T OGATA
(CH3)2O	(CH3)2O	mw	JACS	124	2739	2002	Y TATAMIYANI, B LIU, J SHIMADA, T OGATA, P OTTAVIANI, A MARIS, W CAMINATI, JL ALANSO
C14H8CN	CH3CN	RCS	JPCA	105	4781	2001	K EGASHIRA, Y OHSHIMA, O KAJIMOTO {9-cyanoanthracene}
C14H8CN	CF3H	RCS	JPCA	105	4781	2001	K EGASHIRA, Y OHSHIMA, O KAJIMOTO {9-cyanoanthracene}
c-C7H5OOH	CF4	LIF	CJP	79	483	2001	VJ MacKENZIE. RP STEER {tropolone}
c-C7H5OOH	CFH3	LIF	CJP	79	483	2001	VJ MacKENZIE. RP STEER {tropolone}
c-C7H5OOH	CF2H2	LIF	CJP	79	483	2001	VJ MacKENZIE. RP STEER {tropolone}
c-C7H5OOH	CF3H	LIF	CJP	79	483	2001	VJ MacKENZIE. RP STEER {tropolone}
C5H6N2O2	C5H6N2O2-	T	CP	273	51	2001	AF JALBOUT, J SMETS, L ADAMOWICZ {thymine dimer anion}
C4H10O	HOCHCH3C2H5	mw	CPL	348	343	2001	AK KING, BJ HOWARD {butan-2-ol dimer}
C3H8	C3H8	T	JCP	116	1303	2002	JP JALKANEN, R MAHLANEN, TA PAKKANEN, RL ROWLEY
CH3C6H4NH2	CF3H	LIF	JMSt	605	255	2002	B BALLESTEROS, E MARTINEZ, L SANTOS, J SCANCHEZ-MARIN {p-methylaniline}
CH3C6H4NH2	CH4	LIF	JMSt	605	255	2002	B BALLESTEROS, E MARTINEZ, L SANTOS, J SCANCHEZ-MARIN {p-methylaniline}
CH3C6H4NH2	CF4	LIF	JMSt	605	255	2002	B BALLESTEROS, E MARTINEZ, L SANTOS, J SCANCHEZ-MARIN {p-methylaniline}
HCCCH2OH	HCCCH2OH	mw	JCP			2014	D MANI, E ARUNAN {propargyl alcohol}
CH3F	CF3Cl	mw	JPCL			2014	Q GOU, L SPADA, EJ COCINERO, W CAMINATI

<u>REVIEWS</u>

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Technique notation

CavRD	- Cavity ring-down
M	- Not included in the 1989 review article by SEN, KRL, and WK. New references do not have this designation.
#	- Not totally solved.
I	- IR or FIR, may also contain microwave work.
IVUV	- VUV-Ionization detected-IR predissociation (VUV-ID-IRPDS)
ICRD	- Infrared cavity ringdown laser absorption
E	- Electronic
LIF	- Laser induced fluorescence
Ra	- Raman
R	- Review
T	- Theory
D	- Photo dissociation
PE	- Photoelectron
ZEKE	- Zero electron kinetic energy PES
RTPI	- Resonance-enhanced two photon ionization
MasS	- Mass spectroscopy
MATI	- Mass-analyzed threshold ionization
mw	- Microwave, either MBER or FT; When blank, this can usually be assumed
m	- Microwave, either MBER or FT; When blank, this can usually be assumed
mm	- millimeter wave, high frequency microwaves
mwmm	- microwave-submillimeter double-resonance
THz	- terahertz laser spectroscopy
VPre	- vibrational predissociation
RCS	- rotational coherence spectroscopy
TOF	- time of flight mass spectrometry, velocity map imaging
Pre	- predissociation

Reference abbreviations

ACI	- ANGEW. CHEM. INT. ED. ENGL.
AJS	- ASIAN JOURNAL OF SPECTRSCOPY
ApJ	- ASTROPHYSICAL JOURNAL
APPA	- ACTA PHYSICA POLONICA A
ARPC	- ANNU. REV. PHYS. CHEM.
Bal	- SYMPOSIUM AT REGIONAL ACS, Sept. 1986
BBPC	- BER. BUNSENGES. PHY. CHEMIE
CC	- CHEM. COMM.
CEJ	- CHEM. EUR. J.
CJP	- CAN. J. PHYS.
COL	- OHIO STATE SPECTROSCOPY SYMPOSIUM, June 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994
CP	- CHEM. PHYS.
CPC	- CHEMPHYSCHEM
CPL	- CHEM. PHYS. LETT.
CR	- CHEM. REV.
FDCS	- FARADAY DISCUSS. CHEM. SOC.
IISc	- JOURNAL OF THE INDIAN INSTITUTE OF SCIENCE
IRPC	- INTERNATIONAL REVIEWS IN PHYSICAL CHEMISTRY
InC	- INORG. CHEM.
JACS	- J. AMER. CHEM. SOC.
JCP	- J. CHEM. PHYS.
JCSCC	- J. CHEM. SOC. CHEM. COMM.
JCSFT	- J. CHEM. SOC., FARADAY TRANS.
JCSFT2	- J. CHEM. SOC., FARADAY TRANS. 2
JMSp	- J. MOL. SPECTROSC.
JMSt	- J. MOL. STRUCT.
JPC	- J. PHYS. CHEM.
JPCA	- J. PHYS. CHEM. A
JPCL	- J. PHYS. CHEM. LETT
Mar	- NATO ADVANCED RESEARCH WORKSHOP, Sept. 1986
MP	- MOL. PHYS.
NATU	- NATURE
PCC	- PHYS. CHEM. COMM.

PCCP - PHYSICAL CHEMISTRY CHEMICAL PHYSICS
PNAS - PROC. NAT. ACAD. SCI.
PR - PHYS. REV.
PRL - PHYS. REV. LETT.
PRSL - PROC. ROY. SOC. (LONDON) A
RSI - REV. SCI. INSTRU.
SCI - SCIENCE
TFS - TRANS. FARAD. SOC.
ZNAT - ZEITSCHRIFT FUR NATURFORSCHUNG A