Martin A Suhm

List of Publications by Year
in descending order

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207	7,934	41344	76900
papers	citations	49 h-index	74 g-index

222	222	222	3676
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Attaching Onto or Inserting Into an Intramolecular Hydrogen Bond: Exploring and Controlling a Chirality-Dependent Dilemma for Alcohols. Symmetry, 2022, 14, 357.	2.2	1
2	Hydrogen Delocalization in an Asymmetric Biomolecule: The Curious Case of Alpha-Fenchol. Molecules, 2022, 27, 101.	3.8	1
3	Setting up the HyDRA blind challenge for the microhydration of organic molecules. Physical Chemistry Chemical Physics, 2022, 24, 11442-11454.	2.8	9
4	A Rather Universal Vibrational Resonance in 1:1 Hydrates of Carbonyl Compounds. Journal of Physical Chemistry Letters, 2021, 12, 138-144.	4.6	15
5	Understanding dispersion interactions in molecular chemistry. Physical Chemistry Chemical Physics, 2021, 23, 8960-8961.	2.8	1
6	Subtle hydrogen bonds: benchmarking with OH stretching fundamentals of vicinal diols in the gas phase. Physical Chemistry Chemical Physics, 2021, 23, 21623-21640.	2.8	7
7	A Sustainable Slit Jet FTIR Spectrometer for Hydrate Complexes and Beyond. Instruments, 2021, 5, 12.	1.8	13
8	The Hydrates of TEMPO: Water Vibrations Reveal Radical Microsolvation. Angewandte Chemie - International Edition, 2021, 60, 19013-19017.	13.8	15
9	The Hydrates of TEMPO: Water Vibrations Reveal Radical Microsolvation. Angewandte Chemie, 2021, 133, 19161-19165.	2.0	2
10	Quantifying Conformational Isomerism in Chain Molecules by Linear Raman Spectroscopy: The Case of Methyl Esters. Molecules, 2021, 26, 4523.	3.8	5
11	Halogens in Acetophenones Direct the Hydrogen Bond Docking Preference of Phenol via Stacking Interactions. Molecules, 2021, 26, 4883.	3.8	9
12	Predicting OH stretching fundamental wavenumbers of alcohols for conformational assignment: different correction patterns for density functional and wave-function-based methods. Physical Chemistry Chemical Physics, 2021, 23, 5629-5643.	2.8	11
13	Rovibronic signatures of molecular aggregation in the gas phase: subtle homochirality trends in the dimer, trimer and tetramer of benzyl alcohol. Physical Chemistry Chemical Physics, 2021, 23, 23610-23624.	2.8	13
14	Slow monomer vibrations in formic acid dimer: Stepping up the ladder with FTIR and Raman jet spectroscopy. Journal of Chemical Physics, 2021, 155, 224301.	3.0	8
15	The reduced cohesion of homoconfigurational 1,2-diols. Physical Chemistry Chemical Physics, 2020, 22, 1122-1136.	2.8	16
16	Concerted Pair Motion Due to Double Hydrogen Bonding: The Formic Acid Dimer Case. Journal of the Indian Institute of Science, 2020, 100, 5-19.	1.9	15
17	Pinacolone-Alcohol Gas-Phase Solvation Balances as Experimental Dispersion Benchmarks. Molecules, 2020, 25, 5095.	3.8	7
18	The first microsolvation step for furans: New experiments and benchmarking strategies. Journal of Chemical Physics, 2020, 152, 164303.	3.0	28

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19	Glycolic Acid as a Vibrational Anharmonicity Benchmark. Journal of Physical Chemistry Letters, 2020, 11, 5228-5233.	4.6	13
20	2-Methoxyethanol: harmonic tricks, anharmonic challenges and chirality-sensitive chain aggregation. Physical Chemistry Chemical Physics, 2020, 22, 15303-15311.	2.8	9
21	Three-dimensional docking of alcohols to ketones: an experimental benchmark based on acetophenone solvation energy balances. Physical Chemistry Chemical Physics, 2020, 22, 2870-2877.	2.8	13
22	Increasing the weights in the molecular work-out of cis- and trans-formic acid: extension of the vibrational database via deuteration. Physical Chemistry Chemical Physics, 2020, 22, 25492-25501.	2.8	17
23	Understanding benzyl alcohol aggregation by chiral modification: the pairing step. Physical Chemistry Chemical Physics, 2020, 22, 25538-25551.	2.8	15
24	Dispersion-controlled docking preference: multi-spectroscopic study on complexes of dibenzofuran with alcohols and water. Physical Chemistry Chemical Physics, 2019, 21, 16032-16046.	2.8	21
25	Vibrational Signatures of Chirality Recognition Between Î±â€Pinene and Alcohols for Theory Benchmarking. Angewandte Chemie, 2019, 131, 8261-8265.	2.0	2
26	Soft experimental constraints for soft interactions: a spectroscopic benchmark data set for weak and strong hydrogen bonds. Physical Chemistry Chemical Physics, 2019, 21, 18799-18810.	2.8	20
27	Incremental NH stretching downshift through stepwise nitrogen complexation of pyrrole: a combined jet expansion and matrix isolation study. Physical Chemistry Chemical Physics, 2019, 21, 1277-1284.	2.8	13
28	Stretching ofcis-formic acid: warm-up and cool-down as molecular work-out. Chemical Science, 2019, 10, 6285-6294.	7.4	20
29	Vibrational Signatures of Chirality Recognition Between Î±â€Pinene and Alcohols for Theory Benchmarking. Angewandte Chemie - International Edition, 2019, 58, 8177-8181.	13.8	10
30	Phenylacetylene as a gas phase sliding balance for solvating alcohols. Physical Chemistry Chemical Physics, 2019, 21, 7831-7840.	2.8	13
31	Strained hydrogen bonding in imidazole trimer: a combined infrared, Raman, and theory study. Physical Chemistry Chemical Physics, 2019, 21, 5989-5998.	2.8	9
32	The Chiral Trimer and a Metastable Chiral Dimer of Achiral Hexafluoroisopropanol: A Multiâ€Messenger Study. Angewandte Chemie, 2019, 131, 5134-5138.	2.0	20
33	The Chiral Trimer and a Metastable Chiral Dimer of Achiral Hexafluoroisopropanol: A Multiâ€Messenger Study. Angewandte Chemie - International Edition, 2019, 58, 5080-5084.	13.8	46
34	Dinitrogen as a Sensor for Metastable Carboxylic Acid Dimers and a Weak Hydrogen Bond Benchmarking Tool. Journal of Physical Chemistry A, 2018, 122, 2933-2946.	2.5	16
35	The furan microsolvation blind challenge for quantum chemical methods: First steps. Journal of Chemical Physics, 2018, 148, 014301.	3.0	44
36	Vibrational exciton coupling in homo and hetero dimers of carboxylic acids studied by linear infrared and Raman jet spectroscopy. Journal of Chemical Physics, 2018, 149, 104307.	3.0	29

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37	The phenyl vinyl etherâ€“methanol complex: a model system for quantum chemistry benchmarking. Beilstein Journal of Organic Chemistry, 2018, 14, 1642-1654.	2.2	12
38	Correcting the record: the dimers and trimers of trans-N-methylacetamide. Physical Chemistry Chemical Physics, 2017, 19, 10727-10737.	2.8	39
39	Cooperativity in Alcoholâ€“Nitrogen Complexes: Understanding Cryomatrices through Slit Jet Expansions. Journal of Physical Chemistry A, 2017, 121, 3411-3422.	2.5	12
40	Benchmarking Quantum Chemical Methods: Are We Heading in the Right Direction?. Angewandte Chemie - International Edition, 2017, 56, 11011-11018.	13.8	119
41	Identifying the first folded alkylbenzene via ultraviolet, infrared, and Raman spectroscopy of pentylbenzene through decylbenzene. Chemical Science, 2017, 8, 5305-5318.	7.4	25
42	Experimental Reference Data for Hexafluorinated Propanol by Exploring an Unusual Intermolecular Torsional Balance. Angewandte Chemie, 2017, 129, 12846-12850.	2.0	2
43	Multi-spectroscopic and theoretical analyses on the diphenyl etherâ€“tert-butyl alcohol complex in the electronic ground and electronically excited state. Physical Chemistry Chemical Physics, 2017, 19, 18076-18088.	2.8	16
44	Quantenchemische Methoden im Leistungsvergleich: Stimmt die Richtung noch?. Angewandte Chemie, 2017, 129, 11155-11163.	2.0	14
45	Experimental Reference Data for Hexafluorinated Propanol by Exploring an Unusual Intermolecular Torsional Balance. Angewandte Chemie - International Edition, 2017, 56, 12672-12676.	13.8	13
46	Formic acid aggregation in 2D supersonic expansions probed by FTIR imaging. Journal of Chemical Physics, 2017, 147, 144305.	3.0	12
47	Tipping the Scales: Spectroscopic Tools for Intermolecular Energy Balances. Journal of Physical Chemistry Letters, 2017, 8, 5656-5665.	4.6	40
48	Polymer Segments at the Folding Limit: Raman Scattering for the Diglyme Benchmark. ChemPhysChem, 2017, 18, 3570-3575.	2.1	1
49	Control over the Hydrogenâ€Bond Docking Site in Anisole by Ring Methylation. Angewandte Chemie - International Edition, 2016, 55, 1921-1924.	13.8	41
50	Ringmethylierung kontrolliert die WasserstoffbrÃ¼ckenâ€Andockstelle bei Anisol. Angewandte Chemie, 2016, 128, 1955-1959.	2.0	7
51	A Symmetric Recognition Motif between Vicinal Diols: The Fourfold Grip in Ethylene Glycol Dimer. Angewandte Chemie, 2016, 128, 4667-4671.	2.0	4
52	Aromatic embedding wins over classical hydrogen bonding â€“ a multi-spectroscopic approach for the diphenyl etherâ€“methanol complex. Physical Chemistry Chemical Physics, 2016, 18, 25975-25983.	2.8	27
53	Subtle solvation behaviour of a biofuel additive: the methanol complex with 2,5-dimethylfuran. Physical Chemistry Chemical Physics, 2016, 18, 27265-27271.	2.8	20
54	The donor OH stretchingâ€“libration dynamics of hydrogen-bonded methanol dimers in cryogenic matrices. Physical Chemistry Chemical Physics, 2016, 18, 3739-3745.	2.8	9

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55	A Symmetric Recognition Motif between Vicinal Diols: The Fourfold Grip in Ethylene Glycol Dimer. Angewandte Chemie - International Edition, 2016, 55, 4591-4595.	13.8	19
56	Comment on: â€œQuantum Confinement in Hydrogen Bondâ€•by Carlos da Silva dos Santos, Elso Drigo Filho, and Regina Maria Ricotta, Int. J. Quantum Chem. 2015, 115, 765-770.. International Journal of Quantum Chemistry, 2015, 115, 1510-1511.	2.0	1
57	Soft hydrogen bonds to alkenes: the methanolâ€“ethene prototype under experimental and theoretical scrutiny. Chemical Science, 2015, 6, 3738-3745.	7.4	26
58	To Ï€ or not to Ï€ â€“ how does methanol dock onto anisole?. Physical Chemistry Chemical Physics, 2015, 17, 13045-13052.	2.8	33
59	Bracketing subtle conformational energy differences between self-solvated and stretched trifluoropropanol. Physical Chemistry Chemical Physics, 2015, 17, 9899-9909.	2.8	8
60	Constraining the Conformational Landscape of a Polyether Building Block by Raman Jet Spectroscopy. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1625-1648.	2.8	9
61	Helium Nanodroplet Study of the Hydrogen-Bonded OH Vibrations in HClâ€“H₂O Clusters. Journal of Physical Chemistry A, 2015, 119, 2636-2643.	2.5	7
62	Molecular Docking via Olefinic OHÂ·Â·Â·Ï€ Interactions: A Bulky Alkene Model System and Its Cooperativity. Journal of Physical Chemistry A, 2015, 119, 1723-1730.	2.5	22
63	Microscopic Roots of Alcoholâ€“Ketone Demixing: Infrared Spectroscopy of Methanolâ€“Acetone Clusters. Journal of Physical Chemistry A, 2015, 119, 2225-2232.	2.5	18
64	The Raman spectrum of isolated water clusters. Physical Chemistry Chemical Physics, 2014, 16, 9849.	2.8	77
65	The OH stretching spectrum of warm water clusters. Journal of Chemical Physics, 2014, 140, 064312.	3.0	15
66	The effect of hydrogen bonding on torsional dynamics: A combined far-infrared jet and matrix isolation study of methanol dimer. Journal of Chemical Physics, 2014, 141, 174314.	3.0	33
67	Guinness Molecules: Identifying Lowestâ€Energy Structures. Angewandte Chemie - International Edition, 2014, 53, 1714-1715.	13.8	5
68	Communication: Towards the binding energy and vibrational red shift of the simplest organic hydrogen bond: Harmonic constraints for methanol dimer. Journal of Chemical Physics, 2014, 141, 101105.	3.0	28
69	The Guinness Molecules for the Carbohydrate Formula. Chemical Record, 2014, 14, 1116-1133.	5.8	8
70	Stretching and folding of 2-nanometer hydrocarbon rods. Soft Matter, 2014, 10, 4885-4901.	2.7	28
71	Phenyl- vs Cyclohexyl-Substitution in Methanol: Implications for the OH Conformation and for Dispersion-Affected Aggregation from Vibrational Spectra in Supersonic Jets. Journal of Physical Chemistry A, 2014, 118, 3266-3279.	2.5	22
72	Alcohol dimers â€“ how much diagonal OH anharmonicity?. Physical Chemistry Chemical Physics, 2014, 16, 15948-15956.	2.8	43

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73	The elastic modulus of isolated polytetrafluoroethylene filaments. ScienceOpen Research, 2014, .	0.6	0
74	From hydrogen bond donor to acceptor: the effect of ethanol fluorination on the first solvating water molecule. Physical Chemistry Chemical Physics, 2013, 15, 16065.	2.8	48
75	Infrared absorption imaging of 2D supersonic jet expansions: Free expansion, cluster formation, and shock wave patterns. Journal of Chemical Physics, 2013, 139, 024201.	3.0	15
76	Chirality-dependent balance between hydrogen bonding and London dispersion in isolated (Â±)-1-indanol clusters. Physical Chemistry Chemical Physics, 2013, 15, 10167.	2.8	38
77	Femtisecond single-mole infrared spectroscopy of molecular clusters. Physical Chemistry Chemical Physics, 2013, 15, 10702.	2.8	75
78	Adaptive Aggregation of Peptide Model Systems. Journal of Physical Chemistry A, 2013, 117, 7050-7063.	2.5	16
79	The Last Globally Stable Extended Alkane. Angewandte Chemie - International Edition, 2013, 52, 463-466.	13.8	105
80	Vibrational tuning of the Hydrogen transfer in malonaldehyde â€“ a combined FTIR and Raman jet study^{â€}. Molecular Physics, 2013, 111, 2211-2227.	1.7	35
81	Communication: The highest frequency hydrogen bond vibration and an experimental value for the dissociation energy of formic acid dimer. Journal of Chemical Physics, 2012, 136, 151101.	3.0	76
82	Molecular Recognition in Glycolaldehyde, the Simplest Sugar: Two Isolated Hydrogen Bonds Win Over One Cooperative Pair. ChemistryOpen, 2012, 1, 269-275.	1.9	18
83	Isomerization around Câ€“C and Câ€“O bonds in 1-propanol: Collisional relaxation in supersonic jets and selective IR photo-isomerization in cryogenic matrices. Journal of Molecular Structure, 2012, 1025, 20-32.	3.6	33
84	Soluteâ€“solvent interactions in cryosolutions: a study of halothaneâ€“ammonia complexes. Physical Chemistry Chemical Physics, 2012, 14, 6469.	2.8	16
85	Detailed Assignment of the CH Chromophores in Methyl Mandelate and Mandelic Acid: A Multi-Experimental Approach Using Polarized FTIR Microspectroscopy of Sublimated Crystals. Crystal Growth and Design, 2012, 12, 1933-1942.	3.0	3
86	Comment on â€œTheoretical investigations into the enantiomeric and racemic forms of Î±-(trifluoromethyl)lactic acidâ€•by R. Tonner, V. A. Soloshonok and P. Schwerdtfeger, Phys. Chem. Chem. Phys., 2011, 13, 811-817. Physical Chemistry Chemical Physics, 2011, 13, 4159.	2.8	3
87	On the weakly Câ€“Hâ‹¯Ï€ hydrogen bonded complexes of sevoflurane and benzene. Physical Chemistry Chemical Physics, 2011, 13, 14142.	2.8	29
88	Dimers of cyclic carbonates: chirality recognition in battery solvents and energy storage. Physical Chemistry Chemical Physics, 2011, 13, 14176.	2.8	16
89	Weak hydrogen bonds â€“ strong effects?. Physical Chemistry Chemical Physics, 2011, 13, 13858.	2.8	34
90	A combined Raman- and infrared jet study of mixed methanolâ€“water and ethanolâ€“water clusters. Physical Chemistry Chemical Physics, 2011, 13, 14050.	2.8	77

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91	Conformation-Changing Aggregation in Hydroxyacetone: A Combined Low-Temperature FTIR, Jet, and Crystallographic Study. Journal of the American Chemical Society, 2011, 133, 20194-20207.	13.7	21
92	Temperature-dependent intensity anomalies in amino acid esters: weak hydrogen bonds in protected glycine, alanine and valine. Physical Chemistry Chemical Physics, 2011, 13, 14119.	2.8	24
93	Communication: Where does the first water molecule go in imidazole?. Journal of Chemical Physics, 2011, 135, 061102.	3.0	38
94	Chirality Recognition in Menthol and Neomenthol: Preference for Homoconfigurational Aggregation. Angewandte Chemie - International Edition, 2010, 49, 6203-6206.	13.8	26
95	Chirality-dependent sublimation of -(trifluoromethyl)-lactic acid: Relative vapor pressures of racemic, eutectic, and enantiomerically pure forms, and vibrational spectroscopy of isolated (S,S) and (S,R) dimers. Journal of Fluorine Chemistry, 2010, 131, 495-504.	1.7	44
96	Conformational instability upon dimerization: Prolinol. Journal of Molecular Structure, 2010, 976, 397-404.	3.6	9
97	Periodic bond breaking and making in the electronic ground state on a sub-picosecond timescale: OH bending spectroscopy of malonaldehyde in the frequency domain at low temperature. Physical Chemistry Chemical Physics, 2010, 12, 8201.	2.8	35
98	Brightening and Locking a Weak and Floppy Nâ˜H Chromophore: The Case of Pyrrolidine. Journal of Physical Chemistry A, 2010, 114, 10492-10499.	2.5	14
99	Low Temperature Infrared Spectroscopy Study of Pyrazinamide: From the Isolated Monomer to the Stable Low Temperature Crystalline Phase. Journal of Physical Chemistry A, 2010, 114, 151-161.	2.5	34
100	Chirality influence on the aggregation of methyl mandelate. New Journal of Chemistry, 2010, 34, 1266.	2.8	35
101	Ethanol Monomers and Dimers Revisited: A Raman Study of Conformational Preferences and Argon Nanocoating Effects. Journal of Physical Chemistry A, 2010, 114, 8223-8233.	2.5	55
102	Chemical dynamics of large amplitude motion. Physical Chemistry Chemical Physics, 2010, 12, 8151.	2.8	10
103	The complexes of halothane with benzene: the temperature dependent direction of the complexation shift of the aliphatic Câ€“H stretching. Physical Chemistry Chemical Physics, 2010, 12, 14034.	2.8	59
104	Quantum-chemical study and FTIR jet spectroscopy of CHCl3â€“NH3 association in the gas phase. Physical Chemistry Chemical Physics, 2010, 12, 13555.	2.8	44
105	Adding more weight to a molecular recognition unit: the low-frequency modes of carboxylic acid dimers. Molecular Physics, 2010, 108, 2279-2288.	1.7	24
106	The benefits of alternation and alkylation: large amplitude hydrogen bond librational modes of alcohol trimers and tetramers. Physical Chemistry Chemical Physics, 2010, 12, 8152.	2.8	20
107	Probing the stiffness of the simplest double hydrogen bond: The symmetric hydrogen bond modes of jet-cooled formic acid dimer. Journal of Chemical Physics, 2009, 131, 054301.	3.0	65
108	The stiffness of a fully stretched polyethylene chain: A Raman jet spectroscopy extrapolation. Journal of Chemical Physics, 2009, 131, 161108.	3.0	23

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109	Suppressed Particle Formation by Kinetically Controlled Ozone Removal: Revealing the Role of Transientâ€Species Chemistry during Alkene Ozonolysis. Angewandte Chemie - International Edition, 2009, 48, 2231-2235.	13.8	7
110	Origin of the Argon Nanocoating Shift in the OH Stretching Fundamental of n-Propanol: A Combined Experimental and Quantum Chemical Study. Journal of Physical Chemistry C, 2009, 113, 10929-10938.	3.1	23
111	On the low volatility of cyclic esters: an infrared spectroscopy comparison between dimers of Î³-butyrolactone and methyl propionate. Physical Chemistry Chemical Physics, 2009, 11, 11157.	2.8	26
112	Conformation and Aggregation of Proline Esters and Their Aromatic Homologs: Pyramidal vs. Planar RRÂ´N-H in Hydrogen Bonds. Zeitschrift Fur Physikalische Chemie, 2009, 223, 579-604.	2.8	9
113	Chirality Recognition between Neutral Molecules in the Gas Phase. Angewandte Chemie - International Edition, 2008, 47, 6970-6992.	13.8	221
114	Variations of bite angle and coupling patterns in double hydrogen bonds: The case of oxime dimers. Journal of Molecular Structure, 2008, 880, 2-13.	3.6	17
115	Observation and quantification of the hydrogen bond effect on Oâ€“H overtone intensities in an alcohol dimer. Chemical Physics, 2008, 346, 167-175.	1.9	46
116	Nâ€“Hâ‹Ï€ interactions in pyrroles: systematic trends from the vibrational spectroscopy of clusters. Physical Chemistry Chemical Physics, 2008, 10, 2827.	2.8	70
117	Weak Hydrogen Bonds Make a Difference: Dimers of Jet-Cooled Halogenated Ethanols. Zeitschrift Fur Physikalische Chemie, 2008, 222, 1407-1452.	2.8	23
118	Elementary Peptide Motifs in the Gas Phase: FTIR Aggregation Study of Formamide, Acetamide, N-Methylformamide, and N-Methylacetamide. Journal of Physical Chemistry A, 2008, 112, 7530-7542.	2.5	79
119	Raman spectroscopic evidence for the most stable water/ethanol dimer and for the negative mixing energy in cold water/ethanol trimers. Physical Chemistry Chemical Physics, 2008, 10, 5953.	2.8	38
120	Dimer formation in nicotinamide and picolinamide in the gas and condensed phases probed by infrared spectroscopy. Physical Chemistry Chemical Physics, 2008, 10, 7010.	2.8	46
121	Experimental and theoretical study of the microsolvation of sodium atoms in methanol clusters: differences and similarities to sodiumâ€“water and sodiumâ€“ammonia. Physical Chemistry Chemical Physics, 2008, 10, 83-95.	2.8	31
122	Infrared spectroscopy of pyrrole-2-carboxaldehyde and its dimer: A planar Î²-sheet peptide model?. Journal of Chemical Physics, 2007, 126, 134313.	3.0	23
123	Hydrogen bonding lights up overtones in pyrazoles. Journal of Chemical Physics, 2007, 127, 234309.	3.0	35
124	High Resolution FTIR and Diode Laser Supersonic Jet Spectroscopy of the N = 2 HF Stretching Polyad in (HF)₂ and (HFDF): Hydrogen Bond Switching and Predissociation Dynamics. Zeitschrift Fur Physikalische Chemie, 2007, 221, 1581-1645.	2.8	11
125	Raman jet spectroscopy of formic acid dimers: low frequency vibrational dynamics and beyond. Physical Chemistry Chemical Physics, 2007, 9, 4528.	2.8	80
126	Spectroscopic probes of molecular recognition. Physical Chemistry Chemical Physics, 2007, 9, 4443.	2.8	3

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127	A peptide co-solvent under scrutiny: self-aggregation of 2,2,2-trifluoroethanol. Physical Chemistry Chemical Physics, 2007, 9, 4472.	2.8	61
128	Structural Preferences, Argon Nanocoating, and Dimerization ofn-Alkanols As Revealed by OH Stretching Spectroscopy in Supersonic Jetsâ€. Journal of Physical Chemistry A, 2007, 111, 7437-7448.	2.5	55
129	Hydrogen-bonded OH stretching modes of methanol clusters: A combined IR and Raman isotopomer study. Journal of Chemical Physics, 2007, 126, 194307.	3.0	153
130	Intra- vs. intermolecular hydrogen bonding: dimers of alpha-hydroxyesters with methanol. Physical Chemistry Chemical Physics, 2006, 8, 4449.	2.8	71
131	Quantitative chirality synchronization in trifluoroethanol dimers. Physical Chemistry Chemical Physics, 2006, 8, 4664-4667.	2.8	33
132	Proton tunneling estimates for malonaldehyde vibrations from supersonic jet and matrix quenching experiments. Physical Chemistry Chemical Physics, 2006, 8, 2344.	2.8	56
133	Chiral recognition between lactic acid derivatives and an aromatic alcohol in a supersonic expansion: electronic and vibrational spectroscopy. Physical Chemistry Chemical Physics, 2006, 8, 1007-1016.	2.8	42
134	Size-selected methyl lactate clusters: fragmentation and spectroscopic fingerprints of chiral recognition. Physical Chemistry Chemical Physics, 2006, 8, 1148.	2.8	29
135	Concerted proton motion in hydrogen-bonded trimers: A spontaneous Raman scattering perspective. Physical Chemistry Chemical Physics, 2006, 8, 2826.	2.8	61
136	OH-Stretching Red Shifts in Bulky Hydrogen-Bonded Alcohols:Â Jet Spectroscopy and Modeling. Journal of Physical Chemistry A, 2006, 110, 9839-9848.	2.5	58
137	Cooperative organic hydrogen bonds: The librational modes of cyclic methanol clusters. Journal of Chemical Physics, 2006, 125, 154314.	3.0	41
138	Tuning the Hydrogen Bond Donor/Acceptor Isomerism in Jet-Cooled Mixed Dimers of Aliphatic Alcohols. Journal of Physical Chemistry A, 2006, 110, 2906-2915.	2.5	33
139	Competing hydrogen bond topologies in 2-fluoroethanol dimer. Journal of Molecular Structure, 2006, 786, 86-95.	3.6	27
140	Cooperative and anticooperative mixed trimers of HCl and methanol. Journal of Molecular Structure, 2006, 790, 18-26.	3.6	35
141	Chirality-Induced Switch in Hydrogen-Bond Topology: Tetrameric Methyl Lactate Clusters in the Gas Phase. Angewandte Chemie - International Edition, 2006, 45, 3440-3445.	13.8	71
142	Combined jet relaxation and quantum chemical study of the pairing preferences of ethanol. Physical Chemistry Chemical Physics, 2005, 7, 991-997.	2.8	64
143	The Performance of the Semi-empirical AM1 Method on Small and Nanometer-Sized N2O Clusters.. ChemInform, 2005, 36, no.	0.0	0
144	Comparative FTIR Spectroscopy of HX Adsorbed on Solid Water:â€‰ Ragout-Jet Water Clusters vs Ice Nanocrystal Arrays. Journal of Physical Chemistry A, 2005, 109, 955-958.	2.5	26

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145	Dimerization of Pyrazole in Slit Jet Expansions. Zeitschrift Fur Physikalische Chemie, 2005, 219, 379-388.	2.8	48
146	Chiral Recognition in Jet-Cooled Complexes. Australian Journal of Chemistry, 2004, 57, 1149.	0.9	5
147	How Broad Are Water Dimer Bands?. Science, 2004, 304, 823-824.	12.6	21
148	Hybrid diatomics-in-molecules-based quantum mechanical/molecular mechanical approach applied to the modeling of structures and spectra of mixed molecular clusters Arn(HCl)m and Arn(HF)m. Journal of Chemical Physics, 2004, 120, 3732-3743.	3.0	28
149	Extension of panoramic cluster jet spectroscopy into the far infrared: Low frequency modes of methanol and water clusters. Physical Chemistry Chemical Physics, 2004, 6, 3315.	2.8	32
150	The performance of the semi-empirical AM1 method on small and nanometre-sized N2O clusters. Physical Chemistry Chemical Physics, 2004, 6, 4939-4949.	2.8	11
151	Tailor-made aggregates of Î±-hydroxy esters in supersonic jets. Physical Chemistry Chemical Physics, 2004, 6, 2885-2890.	2.8	39
152	Size-selective vibrational spectroscopy of methyl glycolate clusters: comparison with ragout-jet FTIR spectroscopy. Physical Chemistry Chemical Physics, 2004, 6, 4614-4620.	2.8	21
153	Supersonic jet FTIR and quantum chemical investigations of ammonia/acetylene clusters. Physical Chemistry Chemical Physics, 2004, 6, 4642-4651.	2.8	23
154	Torsional isomers in methylated aminoethanols - A jet-FT-IR study. Canadian Journal of Chemistry, 2004, 82, 1006-1012.	1.1	15
155	Infrared spectra of phenanthrene particles generated by pulsed rapid expansion of CO2solutions. Physical Chemistry Chemical Physics, 2004, 6, 4652-4657.	2.8	16
156	Spectroscopic characterization of N2O aggregates: from clusters to the particulate state. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 2855-2865.	3.9	24
157	A monomers-in-dimers model for carboxylic acid dimers. Journal of Chemical Physics, 2003, 118, 2242-2255.	3.0	121
158	A chemical approach towards the spectroscopy of carboxylic acid dimer isomerism. Physical Chemistry Chemical Physics, 2003, 5, 3094.	2.8	51
159	Self-organization of lactates in the gas phase. Organic and Biomolecular Chemistry, 2003, 1, 4351.	2.8	64
160	Acidic protons before take-off: A comparative jet Fourier transform infrared study of small HClâ€“ and HBrâ€“solvent complexes. Journal of Chemical Physics, 2003, 118, 10120-10136.	3.0	80
161	A first glimpse at the acidic proton vibrations in HClâ€“water clusters via supersonic jet FTIR spectroscopy. Physical Chemistry Chemical Physics, 2002, 4, 3933-3937.	2.8	68
162	Glycidol dimer: anatomy of a molecular handshakePresented at the LANMAT 2001 Conference on the Interaction of Laser Radiation with Matter at Nanoscopic Scales: From Single Molecule Spectroscopy to Materials Processing, Venice, 3â€“6 October, 2001.. Physical Chemistry Chemical Physics, 2002, 4, 2721-2732.	2.8	76

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