

CITATION REPORT

List of articles citing

Organic Fluorine Hardly Ever Accepts Hydrogen Bonds

DOI: 10.1002/chem.19970030115

Chemistry - A European Journal, 1997, 3, 89-98.

Source: <https://exaly.com/paper-pdf/28788973/citation-report.pdf>

Version: 2024-04-24

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
850	Preparation of (R)-Fluoropyruvaldehyde N,S-Ketals by Highly Stereospecific Tandem Pummerer Rearrangement/1,2-p-Tolylthio Group Migration of (R)-alpha-(Fluoroalkyl)-beta-sulfinylenamines. <i>Journal of Organic Chemistry</i> , 1997 , 62, 8031-8040	4.2	14
849	π -Benzene in a Heterobimetallic Fluoroalkoxide: CH ₂ FC Hydrogen Bonding?. 1997 , 36, 4372-4380		29
848	Internal Fluorocarbon Coordination as a Tool for the Protection of Active Catalytic Sites: Experimental Characterization of the Zr ^{IV} Fluorocarbon Interaction in the Group 4 Metallocene(butadiene)/B(C ₆ F ₅) ₃ Betaine Ziegler Catalyst Systems. 1997 , 119, 11165-11173		105
847	The Coordination Chemistry of Fluorocarbons: Difluoro-m-cyclophane-Based Fluorocryptands and Their Group I and II Metal Ion Complexes. 1997 , 36, 5722-5729		23
846	The Coordination Chemistry of the CF Unit in Fluorocarbons. 1997 , 97, 3363-3384		243
845	An Attractive Interaction between the π -Cloud of C ₆ F ₆ and Electron-Donor Atoms. <i>Journal of Organic Chemistry</i> , 1997 , 62, 4687-4691	4.2	168
844	Crystal engineering: solid state supramolecular synthesis. 1997 , 2, 451-454		89
843	Synthesis and molecular structure of new O/N/O ligands: Bis-phenol-pyridine and bis-phenol-pyrazole. 1997 , 53, 11645-11658		27
842	Structural Comparison of Oligoribonucleotides and Their 2'-Deoxy-2'-fluoro Analogs by heteronuclear NMR spectroscopy. 1997 , 80, 1952-1971		38
841	"Teflon-coated peptides": hexafluoroacetone trihydrate as a structure stabilizer for peptides. 1997 , 42, 125-8		58
840	The Crystal Packing of Organic Molecules: Challenge and Fascination Below 1000 Da. 1998 , 7, 5-121		71
839	O-(Carboxydifluoromethyl)-L-tyrosine: Design and synthesis of a novel non phosphorous-containing phosphotyrosine isostere. 1998 , 54, 4849-4858		11
838	Unusual photodimerization of 7-fluoro-4-methylcoumarin and 6-fluoro-4-methylcoumarin in the solid state. 1998 , 54, 11235-11246		18
837	A far infrared and theoretical ab initio vibrational study of fluorosulfonic acid as monomer and cyclic dimer. 1998 , 429, 121-130		10
836	Glycosylidene Carbenes part 26. The intramolecular F-HO hydrogen bond of 1,3-diaxial 3-fluorocyclohexanols. 1998 , 81, 695-717		35
835	Synthesis and langmuir isotherms of difluorostearic acids. 1998 , 90, 133-138		6
834	Observation of the primary Zr ^{IV} insertion products in the reaction of the (butadiene)zirconocene/B(C ₆ F ₅) ₃ -betaine Ziegler catalyst system with reactive alkynes. 1998 , 128, 85-102		12

- 833 NH...S and N-H...Ph Hydrogen Bonding in 1-(2-Fluorophenyl)thiourea. **1998**, 54, 1121-1123 5
- 832 2',4'-Dihydroxy-2-[3-(4-methylphenyl)isoxazol-5-yl]acetophenone. **1998**, 54, 1123-1125 0
- 831 Three-Center C \cdots H \cdots N Intramolecular Hydrogen Bonding in the 2,6-Bis(2,6-difluorophenyl)piperidine Systems¹. *Journal of Organic Chemistry*, **1998**, 63, 3731-3734 4.2 37
- 830 Helical Tubular Inclusion Diol Hosts: Fine-Tuning the Canals by Crystal Engineering. **1998**, 313, 217-222 3
- 829 Metal Coordinated HFA Unique Case. **1998**, 37, 5912-5914 31
- 828 Phenyl/Perfluorophenyl Stacking Interactions: Topochemical [2+2] Photodimerization and Photopolymerization of Olefinic Compounds. **1998**, 120, 3641-3649 411
- 827 Crystal Forms of Hexafluorophosphate Organometallic Salts and the Importance of Charge-Assisted C \cdots F Hydrogen Bonds. **1998**, 17, 296-307 137
- 826 Concerning the Effects of Aromatic Ring Fluorination on the Cation \cdots Interaction and Other Molecular Recognition Phenomena in Aqueous Media. *Journal of Organic Chemistry*, **1998**, 63, 4566-4567^{4.2} 52
- 825 Using Hydrogen-Bonds and Herringbone Packing to Design Interfaces of 4,4'-Disubstituted meso-Hydrobenzoin Crystals. The Importance of Recognizing Unfavorable Packing Motifs. **1998**, 120, 96-104 22
- 824 Directional Aspects of Intermolecular Interactions. **1998**, 1-56 64
- 823 C \cdots F Interactions in the Crystal Structures of Some Fluorobenzenes. **1998**, 120, 8702-8710 601
- 822 Crystal Engineering and Organometallic Architecture. **1998**, 98, 1375-1406 1030
- 821 Crystal structures of B-DNA with incorporated 2'-deoxy-2'-fluoro-arabino-furanosyl thymines: implications of conformational preorganization for duplex stability. **1998**, 26, 2473-80 105
- 820 Fluorobenzene?water and difluorobenzene?water systems: An ab initio investigation. **1999**, 110, 8501-8512 89
- 819 Interaction and solvation energies of nonpolar DNA base analogues and their role in polymerase insertion fidelity. **1999**, 16, 1119-34 42
- 818 Recent advances in electrophilic fluorination. **1999**, 55, 12431-12477 187
- 817 Fluorine effects in organoboranes; formation of cyanoalkyl-bis(trifluoromethyl)-organoborates. **1999**, 98, 143-151 3
- 816 A hyperstable collagen mimic. **1999**, 6, 63-70 226

815	1-Acetyl-2-(3,3-dimethyl-2-butylidene)hydrazine: a monoclinic crystal structure with local orthorhombic pseudosymmetry. 1999 , 55, 689-691		
814	(1S,RS)-6,7-Dimethoxy-N-methyl-1-(p-tolylsulfinylmethyl)-1-trifluoromethyl-1,2,3,4-tetrahydroisoquinoline. 1999 , 55, 687-689		
813	Studies in crystal engineering: Steering ability of fluorine in 4-styrylcoumarins. 1999 , 55, 4095-4108		15
812	Hydrogen and fluorine in crystal engineering: systematics from crystallographic studies of hydrogen bonded tartrateimine complexes and fluoro-substituted coumarins, styrylcoumarins and butadienes. <i>Coordination Chemistry Reviews</i> , 1999 , 183, 81-100	23.2	144
811	High-resolution structures of scytalone dehydratase-inhibitor complexes crystallized at physiological pH. 1999 , 35, 425-39		29
810	Experimental Evidence for Intramolecular Attractive Nonbonded C \cdots H \cdots F Interactions in 2',3'-Dideoxy-4'-(fluoromethyl)nucleosides Through-Space JCF and JHF NMR Coupling Constants, Correlation with Empirical Parameters of Solvent Polarity and Single-Crystal X-ray Structures. 1999 , 1833-1837-1836		38
809	Crystal Engineering with Symmetrical Threefold Acceptor-Substituted Triaminobenzenes. <i>Chemistry - A European Journal</i> , 1999 , 5, 29-38	4.8	40
808	Pyrroloquinoxaline derivatives as high-affinity and selective 5-HT(3) receptor agonists: synthesis, further structure-activity relationships, and biological studies. 1999 , 42, 4362-79		91
807	Stereoselective Synthesis of Trifluoromethylated Compounds: Nucleophilic Addition of Formaldehyde N,N-Dialkylhydrazones to Trifluoromethyl Ketones. <i>Journal of Organic Chemistry</i> , 1999 , 64, 8846-8854	4.2	41
806	Models of F...H contacts relevant to the binding of fluoroaromatic inhibitors to carbonic anhydrase II. 1999 , 1, 1359-62		29
805	Preparation of TADDOL Derivatives for New Applications. 1999 , 1, 55-58		45
804	The pattern of fluorine substitution affects binding affinity in a small library of fluoroaromatic inhibitors for carbonic anhydrase. 1999 , 1, 183-5		52
803	Synthesis, Structural Characterization, and Bonding Analysis of (η -1-azadiene)Fe(CO) $_3$ Complexes: Consequences of the Electronic Structure on Molecular and Crystal Properties. 1999 , 18, 736-747		19
802	Can lone pairs bind to a pi system? The water...hexafluorobenzene interaction. 1999 , 1, 103-5		164
801	Isolation of Protonated Arenes (Wheland Intermediates) with BArFand Carborane Anions. A Novel Crystalline Superacid. 1999 , 121, 6314-6315		124
800	Solvation of Fluorinated Single-Wall Carbon Nanotubes in Alcohol Solvents. 1999 , 103, 4318-4322		399
799	Effects of Substitution of OH Group by F Atom for Conformational Preferences of Fluorine-Substituted Analogues of (R,R)-Tartaric Acid, Its Dimethyl Diester, Diamide, and N,N,N',N'-Tetramethyl Diamide. Ab Initio Conformational Analysis. 1999 , 121, 1912-1921		10
798	Significant Inter- and Intramolecular O \cdots F...C Hydrogen Bonding. 1999 , 121, 4280-4281		112

797	Novel derivatives of 2-pyridinemethylamine as selective, potent, and orally active agonists at 5-HT1A receptors. 1999 , 42, 1648-60		86
796	Conformations of β -Fluorophenetole and Their Reactivities Studied by Supersonic Jet/REMPI Spectroscopy. 1999 , 103, 2302-2309		7
795	Difluoromethionine as a Novel ^{19}F NMR Structural Probe for Internal Amino Acid Packing in Proteins. 1999 , 121, 8475-8478		57
794	Phenyl/Pentafluorophenyl Interactions and the Generation of Ordered Mixed Crystals: sym-Triphenethynylbenzene and sym-Tris(perfluorophenethynyl)benzene. 2000 , 112, 2413-2415		30
793	The C-F...cation interaction: an ammonium complex of a hexafluoro macrocyclic cage compound. <i>Chemistry - A European Journal</i> , 2000 , 6, 2334-7	4.8	17
792	The chemistry of perhalo-1,3,5,7-tetrahydrobenzo-[1,2-c:4,5-c']-difuran: unusually stable solid state complexes with tertiary amides. 2000 , 103, 95-97		1
791	Reactions of trifluorovinyl-trifluoromethylboron derivatives, structure of $(\text{F}_2\text{C}=\text{CF})(\text{F}_3\text{C})_2\text{B}(\text{NHMe}_2)$ and $(\text{HOOC})(\text{F}_3\text{C})_2\text{B}(\text{NHMe}_2)$. 2000 , 604, 43-51		35
790	Nucleophilic Trifluoromethylation Reactions of Organic Compounds with (Trifluoromethyl)trimethylsilane. 2000 , 56, 7613-7632		362
789	Water soluble phosphines. 2000 , 598, 116-126		27
788	C-Falogen...interactions and their influence on molecular conformation and crystal packing: a database study. 2000 , 3, 135-154		178
787	Ab initio study of anomeric effect in 2,2-difluoroglycine. 2000 , 507, 281-287		4
786	Fluorobenzene and p-difluorobenzene microsolvated by methanol: An infrared spectroscopic and ab initio theoretical investigation. 2000 , 112, 1844-1858		56
785	Hydrophilic-to-Hydrophobic Volume Ratios as Structural Determinant in Small-Length Scale Amphiphilic Crystalline Systems: Silver Salts of Phenylacetylene Nitriles with Pendant Oligo(ethylene Oxide) Chains. 2000 , 122, 8376-8391		58
784	Transition State Stereoelectronics in Alkene Epoxidations by Fluorinated Dioxiranes. 2000 , 122, 6297-6298		50
783	Three-State, Conformational Probe for Hydrophobic, π -Stacking Interactions in Aqueous and Mixed Aqueous Solvent Systems: π -Anisotropic Solvation of Aromatic Rings. 2000 , 122, 9271-9277		29
782	The structure of microsolvated benzene derivatives and the role of aromatic substituents. 2000 , 100, 3891-920		278
781	Structural and Electronic Effects of Pentafluorophenyl Substituents on Cyclopentadienyl Complexes of Fe, Co, Mn, and Re ¹ . 2000 , 19, 5352-5369		68
780	Effects of Trifluoromethyl Substituents in a Tris(pyrazolyl)borate Ligand: A Structural and Spectroscopic Study of Analogous Platinum(IV) Trimethyl Complexes. 2000 , 19, 3535-3542		44

- 779 Stability of a Minimalist, Aromatic Cluster in Aqueous Mixtures of Fluoro Alcohol. **2000**, 122, 738-739 14
- 778 The Unexpected Diaxial Orientation of cis-3,5-Difluoropiperidine in Water: A Potent CF- - -NH Charge-Dipole Effect. **2000**, 122, 544-545 74
- 777 Synthesis and Structural Trends in Pentafluorophenyl-Substituted Ferrocenes, 1,4-Tetrafluorophenylene-Linked Diferrocenes, and 1,1-Ferrocenylenedi,4-Tetrafluorophenylene Co-oligomers. **2000**, 19, 1013-1024 55
- 776 Excavating an active site: the nucleobase specificity of ribonuclease A. **2000**, 39, 14487-94 18
- 775 The Acetylene-Ammonia Dimer as a Prototypical C≡N Hydrogen-Bonded System: An Assessment of Theoretical Procedures. **2000**, 104, 968-973 43
- 774 Ab Initio and Density Functional Calculations of 19F NMR Chemical Shifts for Models of Carbonic Anhydrase Inhibitors. **2000**, 104, 6056-6061 21
- 773 Ab initio studies of. *Journal of Organic Chemistry*, **2000**, 65, 2331-6 4.2 34
- 772 Tricarbonylrhenium(I) Complexes of Pentafluorophenyl-Substituted Indenyl Ligands1. **2000**, 19, 327-333 22
- 771 Charge Variations in Substituted Alkanes: Evidence for a Through-Space Effect. **2000**, 122, 11497-11506 20
- 770 Effects of substituting a OH group by a F atom in D-glucose. Ab initio and DFT analysis. **2001**, 123, 2308-16 56
- 769 Understanding the Behavior of Halogens as Hydrogen Bond Acceptors. *Crystal Growth and Design*, **2001**, 1, 277-290 3.5 581
- 768 Transformation of 2-(trifluoromethyl)aniline over ion-exchanged montmorillonites: formation of a dimer and cyclic trimer. **2001**, 18, 233-243 4
- 767 A Cambridge Structural Database analysis of the C≡N...Cl interaction: C≡N...Cl and C≡N...Cl often behave as hydrogen bonds but C≡N...Cl is generally a van der Waals interaction. **2001**, 3, 114-119 83
- 766 2-Aryl-2,2-difluoroacetamide FKBP12 ligands: synthesis and X-ray structural studies. **2001**, 3, 3987-90 87
- 765 Enzymatic synthesis of carbon-fluorine bonds. **2001**, 123, 4350-1 58
- 764 Understanding the role of stereoelectronic effects in determining collagen stability. 1. A quantum mechanical study of proline, hydroxyproline, and fluoroproline dipeptide analogues in aqueous solution. **2001**, 123, 12568-77 125
- 763 Conformation of cationic N,N-dimethylglycine in dimethylglycinium trifluoroacetate. **2001**, 57, 417-20 12
- 762 2-Fluoro-6-iodobenzonitrile. *Acta Crystallographica Section E: Structure Reports Online*, **2001**, 57, o702-o704 1

- 761 Octafluoronaphthalene, 8-diaminonaphthalene (1/1). *Acta Crystallographica Section E: Structure Reports Online*, **2001**, 57, o950-o952 10
- 760 Fluorine substituent effects (on bioactivity). **2001**, 109, 3-11 1209
- 759 Synthesis and crystal structures of two new lead(II) hexafluoroarsenates(V). **2001**, 110, 123-131 16
- 758 Scope and limitation of intramolecular Pauson-Khand reaction of fluorine-containing enynes. **2001**, 111, 81-90 21
- 757 New or improved syntheses of the polyfluoroalcohols HOC(cyclo-C₆H₁₁)₂(CF₃), HO(cyclo-C₆H₁₁)(CF₃)₂, and HOC(Ar)(CF₃)₂ (Ar = 4-C₆H₄(t-Bu), 2,4,6-C₆H₂(CF₃)₃, 4-Si(i-Pr)₃-2,6-C₆H₂(CF₃)₂, 3,5-C₆H₃(CH₃)₂), and 2-C₆H₄(C(OH)(CF₃)₂). **2001**, 112, 335-342 18
- 756 (Monofluoroalkyl)phosphonates: a class of isoacidic and tunable mimics of biological phosphates. **2001**, 112, 13-33 115
- 755 Weak interactions involving organic fluorine: analysis of structural motifs in Flunazirine and Haloperidol. **2001**, 562, 55-61 34
- 754 Synthesis and crystal structures of chromium and molybdenum complexes containing the 2,4,6-tris(trifluoromethyl)phenyl ligand. **2001**, 631, 181-187 19
- 753 An enthalpic scale of hydrogen-bond basicity, part 1: halogenoalkanes. **2001**, 14, 804-810 39
- 752 TADDOLe, ihre Derivate und Analoga: vielseitige chirale Hilfsstoffe. **2001**, 113, 96-142 129
- 751 TADDOLs, Their Derivatives, and TADDOL Analogues: Versatile Chiral Auxiliaries. **2001**, 40, 92-138 440
- 750 On the molecular discrimination between adenine and guanine by proteins. **2001**, 29, 4294-309 68
- 749 Crystal structures of hydrofluorocarbons from powder X-ray diffraction data: HFC-134a and HFC-152a. **2002**, 217, 395-400 4
- 748 Peptide Synthesis with (Difluoromethyl)-Substituted Amino Acids. **2002**, 67, 1533-1559 3
- 747 Acetimine and 2-Methyl-2-amino-4-iminopentane Complexes of Palladium(II). **2002**, 21, 4912-4918 15
- 746 The NH \cdots FC dipole orientation effect for pendant exocyclic CH₂F. **2002**, 4, 3557-60 33
- 745 [H₂N{B(C₆F₅)₃}₂]⁻: A New, Remarkably Stable Diborate Anion for Metallocene Polymerization Catalysts. **2002**, 21, 451-453 101
- 744 Cationic Iridium-Perfluoroalkyl Complexes with NH₃ and PH₃ Ligands. Activation of Carbon-Fluorine Bonds by H₂S To Give Bis(trifluoromethyl)dithiametallacyclobutane and Bis(trifluoromethyl)trithiametallacyclohexane Complexes. **2002**, 21, 2136-2144 28

743	Quantitative evaluation of weak nonbonded Se...F interactions and their remarkable nature as orbital interactions. 2002 , 124, 1902-9		113
742	Photoaffinity analogues of farnesyl pyrophosphate transferable by protein farnesyl transferase. 2002 , 124, 8206-19		53
741	Structure rationalization and topology prediction of two-distinct-component organic crystals: the role of volume fraction and interface topology. 2002 , 124, 121-35		18
740	The propargylic route as a short and versatile entry to optically active monofluorinated compounds. 2002 , 35, 175-81		36
739	Recent developments of transition-state analogue glycosidase inhibitors of non-natural product origin. 2002 , 102, 515-53		634
738	Stereoselective synthesis and antiviral activity of D-2',3'-didehydro-2',3'-dideoxy-2'-fluoro-4'-thionucleosides. 2002 , 45, 4888-98		33
737	Structural characteristics of intramolecular hydrogen bonding in benzene derivatives. 2002 , 35, 887-94		70
736	Fluorine in crystal engineering: photodimerization of (1E,3E)-1-phenyl-4-pentafluorophenylbuta-1,3-dienes in the crystalline state. 2002 , 1, 427-30		34
735	Neutral Organometallic Palladium(II) Aquo Complexes. 2002 , 21, 3536-3543		25
734	Fluorination of single-wall carbon nanotubes and subsequent derivatization reactions. 2002 , 35, 1087-95		356
733	Structural Studies of Enantiomers, Racemates, and Quasiracemates. N-(2-Chlorobenzoyl)methylbenzylamine and N-(2-Bromobenzoyl)methylbenzylamine. <i>Crystal Growth and Design</i> , 2002 , 2, 645-651	3.5	18
732	C-F...H-C hydrogen bonds in ribonucleic acids. 2002 , 124, 5664-72		129
731	Die Wasserstoffbrücke im Festkörper. 2002 , 114, 50-80		595
730	The hydrogen bond in the solid state. 2002 , 41, 49-76		4621
729	The first automated 470.59 MHz ¹⁹ F NMR-controlled titration: dissociation constants and ion-specific chemical shifts of 2-amino-4-fluoro 2-methylpent-4-enoic acid. 2002 , 40, 573-580		2
728	Practical asymmetric synthetic route to 4,4,4-trifluoro-3-hydroxybutyrate: head-to-tail and head-to-head crystallizations through double and single hydrogen bonds of hetero- and homochiral 4,4,4-trifluoro-3-hydroxybutyrophenones. 2002 , 14, 709-12		27
727	A designed P1 cysteine mimetic for covalent and non-covalent inhibitors of HCV NS3 protease. 2002 , 12, 701-4		144
726	Evolution, synthesis and SAR of tripeptide alpha-ketoacid inhibitors of the hepatitis C virus NS3/NS4A serine protease. 2002 , 12, 705-8		45

725	Binding of 1-benzopyran-4-one derivatives to aldose reductase: a free energy perturbation study. 2002 , 10, 1427-36		8
724	New regioisomeric fluorohydroxy fatty acid methyl esters and their phase behaviour at the air/water interface. 2002 , 198-200, 151-164		5
723	Structural motifs in acetoacetanilides: the effect of a fluorine substituent. 2002 , 58, o645-8		3
722	2,6-Dibromo-4-fluorobenzonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002 , 58, o185-o187		1
721	3,5-Difluorobenzonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002 , 58, o840-o841		2
720	Synthesis, reactions and structural features of monofluorinated cyclopropanecarboxylates. 2002 , 114, 189-198		44
719	Weak interactions involving organic fluorine: a comparative study of the crystal packing in substituted isoquinolines. 2002 , 605, 71-77		65
718	Substituent effects on the blue-shifted hydrogen bonds. 2002 , 365, 464-472		43
717	A Whole Output Strategy for Polymorph Screening: Combining Crystal Structure Prediction, Graph Set Analysis, and Targeted Crystallization Experiments in the Case of Diflunisal. <i>Crystal Growth and Design</i> , 2003 , 3, 151-158	3.5	70
716	Experimental and computational investigations of the properties of fluorinated single-walled carbon nanotubes. 2003 , 4, 1283-9		58
715	Designing Ionic Liquids: 1-Butyl-3-Methylimidazolium Cations with Substituted Tetraphenylborate Counterions. 2003 , 2003, 2798-2811		53
714	A Fluorine Scan of Thrombin Inhibitors to Map the Fluorophilicity/Fluorophobicity of an Enzyme Active Site: Evidence for C-F...C=O Interactions. 2003 , 115, 2611-2615		66
713	A fluorine scan of thrombin inhibitors to map the fluorophilicity/fluorophobicity of an enzyme active site: evidence for C-F...C=O interactions. 2003 , 42, 2507-11		165
712	The C-F bond as a tool in the conformational control of amides. 2003 , 119, 9-13		81
711	Ansa-metallocenes with B-N and B-P linkages: the importance of N-H...F-C hydrogen bonding in pentafluorophenyl boron compounds. 2003 , 680, 193-205		45
710	The role of 2',3'-unsaturation on the antiviral activity of anti-HIV nucleosides against 3TC-resistant mutant (M184V). 2003 , 13, 1993-6		9
709	The first one-dimensional coordination polymer containing O-H...F...N hydrogen bonding: crystal structure of [Ni ₃ (dpa) ₄ F ₂][Ni ₃ (dpa) ₄ (H ₂ O) ₂](BF ₄) ₂ ·2CH ₃ OH. 2003 , 6, 1-4		20
708	Crystal structure and molecular conformation of chloro and bromo phenyl derivatives of 1, 2-diaryl-6-methoxy-1, 2, 3, 4-tetrahydroisoquinoline: A comparative study with fluoro analogues. 2003 , 6, 43-55		23

707	Role of the galactosyl moiety of collagen glycopeptides for T-cell stimulation in a model for rheumatoid arthritis. 2003 , 11, 3981-7	13
706	The Benzene/Water/Hexafluorobenzene Complex: A Computational Study. 2003 , 107, 772-774	53
705	l-2',3'-Didehydro-2',3'-dideoxy-3'-fluoronucleosides: synthesis, anti-HIV activity, chemical and enzymatic stability, and mechanism of resistance. 2003 , 46, 3245-56	43
704	Synthesis, anti-HIV activity, and molecular mechanism of drug resistance of L-2',3'-didehydro-2',3'-dideoxy-2'-fluoro-4'-thionucleosides. 2003 , 46, 389-98	38
703	Wettabilities of Self-Assembled Monolayers on Gold Generated from Progressively Fluorinated Alkanethiols. 2003 , 19, 3288-3296	102
702	Slow anion exchange, conformational equilibria, and fluorescent sensing in venus flytrap aminopyridinium-based anion hosts. 2003 , 125, 9699-715	184
701	Brassinosteroid-Driven Modulation of Stem Elongation and Apical Dominance: Applications in Micropropagation. 2003 , 129-157	4
700	Effects of heterocyclic aromatic substituents on binding affinities at two distinct sites of somatostatin receptors. Correlation with the electrostatic potential of the substituents. 2003 , 46, 1858-69	41
699	Molecular self-assembly: 4-formylcoumarins as versatile skeletons for complementary multipoint association via weak (C=O, C-F and C=OC) interactions. 2003 , 5, 507-513	12
698	Mechanism of antiviral activities of 3'-substituted L-nucleosides against 3TC-resistant HBV polymerase: a molecular modelling approach. 2003 , 14, 309-19	13
697	Fluorine in the Life Sciences International Symposium, Bâle (Switzerland), 6-9 July 2003. 2003 , 57, 570-572	3
696	Crystal structure and mechanism of a bacterial fluorinating enzyme. 2004 , 427, 561-5	259
695	Molecular mechanism of dioxolane nucleosides against 3TC resistant M184V mutant HIV. 2004 , 63, 7-13	10
694	ProPose: a docking engine based on a fully configurable protein-ligand interaction model. 2004 , 10, 342-57	21
693	The difluoromethylene group as a replacement for the labile oxygen in steroid sulfates: a new approach to steroid sulfatase inhibitors. 2004 , 14, 151-5	23
692	Fluoro-modified chemotactic peptides: fMLF analogues. 2004 , 10, 67-81	9
691	A weak attractive interaction between organic fluorine and an amide group. 2004 , 43, 5056-9	161
690	A Weak Attractive Interaction between Organic Fluorine and an Amide Group. 2004 , 116, 5166-5169	69

689	9-Fluoro-18-hydroxy-[3.3]metacyclophane: Synthesis and Estimation of a C \cdots H \cdots O Hydrogen Bond. 2004 , 2004, 2019-2024		30
688	The coordination chemistry of fluorine in fluorocarbons. 2004 , 5, 650-5		66
687	Organic fluorine: odd man out. 2004 , 5, 614-21		353
686	Synthesis of 2'-aminoalkyl-substituted fluorinated nucleobases and their influence on the kinetic properties of hammerhead ribozymes. 2004 , 5, 707-16		14
685	Fluorine interactions at the thrombin active site: protein backbone fragments H-C(alpha)-C=O comprise a favorable C-F environment and interactions of C-F with electrophiles. 2004 , 5, 666-75		127
684	The polar hydrophobicity of fluorinated compounds. 2004 , 5, 622-7		343
683	Fluorine in medicinal chemistry. 2004 , 5, 637-43		1152
682	Organic chlorine as a hydrogen-bridge acceptor: evidence for the existence of intramolecular O-H...Cl-C interactions in some gem-alkynols. <i>Chemistry - A European Journal</i> , 2004 , 10, 3373-83	4.8	62
681	The role of organic fluorine in directing alkylation reactions via lithium chelation. 2004 , 125, 1779-1790		12
680	C \cdots X interactions of fluoroform with ammonia, water, hydrogen cyanide, and hydrogen fluoride: conventional and improper hydrogen bonds. 2004 , 297, 21-29		35
679	How Realistic Are Interactions Involving Organic Fluorine in Crystal Engineering? Insights from Packing Features in Substituted Isoquinolines \square <i>Crystal Growth and Design</i> , 2004 , 4, 47-52	3.5	102
678	C-F or C-H bond activation and C-C coupling reactions of fluorinated pyridines at rhodium: synthesis, structure and reactivity of a variety of tetrafluoropyridyl complexes. 2004 , 4106-19		104
677	Interplay of Conformational States and Nonbonded Interactions in Substituted Bithiophenes. 2004 , 108, 691-698		39
676	Crystal engineering with p-substituted 4-ethynylbenzenes using the C \cdots O supramolecular synthon. 2004 , 6, 184-188		17
675	Phenyl-Perfluorophenyl Synthon Mediated Cocrystallization of Carboxylic Acids and Amides. <i>Crystal Growth and Design</i> , 2004 , 4, 89-94	3.5	86
674	Asymmetric fluorination, trifluoromethylation, and perfluoroalkylation reactions. 2004 , 104, 6119-46		756
673	Synthesis, structure-activity relationships, and mechanism of drug resistance of D- and L-beta-3'-fluoro-2',3'-unsaturated-4'-thionucleosides as anti-HIV agents. 2004 , 47, 1631-40		37
672	A fluorine scan of the phenylamidinium needle of tricyclic thrombin inhibitors: effects of fluorine substitution on pKa and binding affinity and evidence for intermolecular C-F...CN interactions. 2004 , 2, 1339-52		79

671	CH ₃ F Hydrogen Bonds. Dimers of Fluoromethanes. 2004 , 108, 2527-2535		103
670	The observation of a large gauche preference when 2-fluoroethylamine and 2-fluoroethanol become protonated. 2004 , 2, 732-40		106
669	Medicinal chemistry in academia: molecular recognition with biological receptors. <i>Chemical Communications</i> , 2004 , 477-80	5.8	26
668	Synthesis, structure-activity relationships, and drug resistance of beta-d-3'-fluoro-2',3'-unsaturated nucleosides as anti-HIV Agents. 2004 , 47, 3399-408		50
667	Hydrogen bonding interactions of covalently bonded fluorine atoms: from crystallographic data to a new angular function in the GRID force field. 2004 , 47, 5114-25		193
666	Protein-Ligand Docking Virtual Screening with GOLD. 2005 , 379-415		41
665	First molecular self-assembly of 1,4-diiodo-tetrafluoro-benzene and a ketone via (O \cdots I) non-covalent halogen bonds. 2005 , 737, 103-107		51
664	The inside and outside protonation of a 15-membered O ₂ N ₂ -macrocyclic. Synthesis and structural characterization of the protonated ligand salts. 2005 , 24, 97-111		10
663	Synthesis of cationic zinc complexes from protonated diazadienes and ZnR ₂ (R=Et, N(SiMe ₃) ₂). The crystal structures of [PriDADH][H ₂ N{B(C ₆ F ₅) ₃ } ₂], [{PriDADZn(EtOH)} ₂][H ₂ N{B(C ₆ F ₅) ₃ } ₂] ₂ , and [Ph ⁺ DADZn(SiMe ₃) ₂][H ₂ N{B(C ₆ F ₅) ₃ } ₂]. 2005 , 358, 1683-1691		31
662	Aqua palladium complexes: synthesis, properties and applications. <i>Coordination Chemistry Reviews</i> , 2005 , 249, 1135-1154	23.2	84
661	Blue shifted F ₃ CH \cdots FCD ₃ and Cl ₃ CH \cdots FCD ₃ weakly H-bound complexes. Cryospectroscopic and ab initio study. 2005 , 313, 225-243		55
660	Fluorine in Peptide Design and Protein Engineering. 2005 , 2005, 4483-4503		134
659	How good is fluorine as a hydrogen-bond acceptor in fluorinated single-walled carbon nanotubes?. 2005 , 6, 1169-74		18
658	Modern synthetic methods for fluorine-substituted target molecules. 2004 , 44, 214-31		710
657	F \cdots H-N hydrogen bonding driven foldamers: efficient receptors for dialkylammonium ions. 2005 , 44, 5725-9		143
656	Moderne Synthesemethoden für fluorierte Verbindungen. 2005 , 117, 218-234		194
655	F \cdots H-N Hydrogen Bonding Driven Foldamers: Efficient Receptors for Dialkylammonium Ions. 2005 , 117, 5871-5875		32
654	Guest-induced supramolecular isomerism in inclusion complexes of T-shaped host 4,4-bis(4'-hydroxyphenyl)cyclohexanone. <i>Chemistry - A European Journal</i> , 2005 , 11, 6727-42	4.8	85

653	Supramolecular synthons in crystals of partially fluorinated fused aromatics: 1,2,3,4-Tetrafluoronaphthalene and its aza-analogue 1,3,4-trifluoroisoquinoline. 2005 , 126, 1281-1287	36
652	New fluorinated pyrrolidine and azetidone amides as dipeptidyl peptidase IV inhibitors. 2005 , 15, 4770-3	30
651	1-(4-Chlorophenyl)-2,6,6-trimethyl-1,5,6,7-tetrahydro-4H-indol-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o3089-o3091	
650	Collagen-like triple helix formation of synthetic (Pro-Pro-Gly) ₁₀ analogues: (4S)-hydroxyprolyl-4(R)-hydroxyprolyl-Gly) ₁₀ , (4R)-hydroxyprolyl-4(R)-hydroxyprolyl-Gly) ₁₀ and (4S)-fluoroprolyl-4(R)-fluoroprolyl-Gly) ₁₀ . 2005 , 11, 609-16	30
649	High-resolution ultraviolet spectroscopy of p-fluorostyrene-water: evidence for a sigma-type hydrogen-bonded dimer. 2005 , 122, 244312	11
648	Fluorine in crystal engineering--"the little atom that could". 2005 , 34, 22-30	777
647	Experimental and theoretical investigations of tellurium(IV) diimides and imidotelluroxanes: X-ray structures of B(C ₆ F ₅) ₃ adducts of OTe(mu-NtBu) ₂ TeNtBu, [OTe(mu-NtBu) ₂ Te(mu-O)] ₂ and tBuNH ₂ . 2005 , 44, 443-51	22
646	Absolute configuration, conformation, and circular dichroism of monocyclic arene dihydrodiol metabolites: it is all due to the heteroatom substituents. 2005 , 127, 4308-19	43
645	Different effects of 4-hydroxyproline and 4-fluoroproline on the stability of collagen triple helix. 2005 , 44, 6034-42	61
644	Synthesis, antiviral activity, and mechanism of drug resistance of D- and L-2',3'-dideoxy-2',3'-dideoxy-2'-fluorocarbocyclic nucleosides. 2005 , 48, 3736-48	30
643	The tailoring of crystal structures via the self-assembly of organic coordination compounds by N?I non-covalent halogen bonds: co-crystals of sterically hindered N-heterocycles and 1,4-diiodo-tetrafluorobenzene. 2005 , 7, 302-308	57
642	Phase behavior of 2,3-disubstituted methyl octadecanoate monolayers at the air-water interface. 2005 , 21, 3376-83	4
641	Intra- and intermolecular N-H...F-C hydrogen-bonding interactions in amine adducts of tris(pentafluorophenyl)borane and -alane. 2005 , 44, 5921-33	76
640	Enantioselective chlorination and fluorination of beta-keto phosphonates catalyzed by chiral Lewis acids. <i>Chemical Communications</i> , 2005 , 1324-6	5.8 100
639	Tapes, Sheets, and Prisms. Identification of the Weak C π Interactions that Steer Fullerene π Borophyrin Cocrystallization. <i>Crystal Growth and Design</i> , 2006 , 6, 397-403	3.5 38
638	The intramolecular beta-fluorine...ammonium interaction in 4- and 8-membered rings. <i>Chemical Communications</i> , 2006 , 3190-2	5.8 34
637	Isomorphic supramolecular structures via one-dimensional hydrogen bonding motifs in crystals of chiral difluorolactates, trichlorolactates and trifluorolactates. 2006 , 8, 320	44
636	The synthesis of new weakly coordinating diborate anions: anion stability as a function of linker structure and steric bulk. 2006 , 2415-26	38

635	Can a single C-H...F hydrogen bond make a difference? Assessing the H...F bond strength from 2-D 1H-19F CP/MAS NMR. 2006 , 8, 662-665		68
634	Exploring the binding of serotonin to the 5-HT ₃ receptor by density functional theory. 2006 , 110, 26313-9		8
633	Synthesis, structures, and olefin polymerization capability of vanadium(4+) imido compounds with fac-N ₃ donor ligands. 2006 , 45, 6411-23		68
632	Solution chemistry of a water-soluble eta ² -H ₂ ruthenium complex: evidence for coordinated H ₂ acting as a hydrogen bond donor. 2006 , 128, 15830-5		28
631	Selective fluorination in drug design and development: an overview of biochemical rationales. 2006 , 6, 1447-56		108
630	The Synthesis, Molecular Structures, and Supramolecular Architecture of Amine Adducts of Bis(pentafluorophenyl)zinc. 2006 , 25, 3837-3847		33
629	A conformationally flexible, urea-based tripodal anion receptor: solid-state, solution, and theoretical studies. <i>Journal of Organic Chemistry</i> , 2006 , 71, 1598-608	4.2	148
628	Ligand coordinate analysis of SC-558 from the active site to the surface of COX-2: a molecular dynamics study. <i>Journal of Chemical Information and Modeling</i> , 2006 , 46, 1784-94	6.1	13
627	Organic fluorine as crystal engineering tool: Evidence from packing features in fluorine substituted isoquinolines. 2006 , 8, 265		56
626	The difluorotoluene debate--a decade later. <i>Chemical Communications</i> , 2006 , 3665-75	5.8	88
625	New coordination polymer networks based on copper(II) hexafluoroacetylacetonate and pyridine containing building blocks: synthesis and structural study. 2006 , 30, 1808-1819		33
624	Characterization of weak NH-π intermolecular interactions of ammonia with various substituted π-systems. 2006 , 128, 5416-26		104
623	Dimolybdenum-containing molecular triangles and squares with diamidate linkers: structural diversity and complexity. 2006 , 45, 2619-26		35
622	The Role of Organic Fluorine in the Supramolecular Assembly of Halogenated π -Hydroxysulphoxides Diastereomers. <i>Crystal Growth and Design</i> , 2006 , 6, 2769-2778	3.5	16
621	Binding properties of aromatic carbon-bound fluorine. 2006 , 49, 7902-6		42
620	In-Situ X-ray Deformation Study of Fluorinated Multiwalled Carbon Nanotube and Fluorinated Ethylene Propylene Nanocomposite Fibers. 2006 , 39, 5427-5437		30
619	Water diffusion behavior in epoxy resins with various fluorine contents. 2006 , 60, 392-7		15
618	Tailoring the Cis-Trans Isomerization of Amides. 2006 , 225-259		6

617	2,2',3,3',4,4',5,5',6,6'-Decafluorodiphenylamine and its 1:1 cocrystal with diphenylamine. 2006 , 62, o419-22		1
616	Ethylenediammonium fluorotrioxophosphate at 150 K. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, o3217-o3219		1
615	A comparative study of crystal structures and inclusion properties of fluorinated triazines. 2006 , 127, 270-276		7
614	New indications for the potential involvement of C δ -bonds in hydrogen bonding. 2006 , 787, 50-62		34
613	Conformational preferences of the structures, and energetics of the molecular complexes of boron trifluoride with some hydrogen halides, halogens and interhalogens. 2006 , 771, 157-164		7
612	Shape-persistent aromatic amide oligomers: new tools for supramolecular chemistry. 2006 , 1, 766-78		163
611	Chemical modification of carbon nanotubes. 2006 , 16, 61-66		33
610	Stereoelectronic effects on polyproline conformation. 2006 , 15, 74-83		159
609	2005 Emil Thomas Kaiser Award. 2006 , 15, 1219-25		33
608	Shooting Control in <i>Eucalyptus Grandis</i> [E. urophylla Hybrid: Comparative Effects of 28-Homocasterone and a 5 β -Monofluoro Derivative. 2006 , 86, 329-335		11
607	C-H...F hydrogen bonds The influence of hybridization of carbon atom connected with F-acceptor on their properties. 2006 , 327, 202-208		33
606	Steric and electronic effects in enantioselective hydrogenation of ketones on platinum modified by cinchonidine: Directing effect of the trifluoromethyl group. 2006 , 240, 203-212		21
605	Isostructurality, polymorphism and mechanical properties of some hexahalogenated benzenes: the nature of halogen...halogen interactions. <i>Chemistry - A European Journal</i> , 2006 , 12, 2222-34	4.8	340
604	Neutron and X-ray diffraction and spectroscopic investigations of intramolecular [C-H...F-C] contacts in post-metallocene polyolefin catalysts: modeling weak attractive polymer-ligand interactions. <i>Chemistry - A European Journal</i> , 2006 , 12, 2607-19	4.8	77
603	X-ray diffraction and theoretical studies for the quantitative assessment of intermolecular arene-perfluoroarene stacking interactions. <i>Chemistry - A European Journal</i> , 2006 , 12, 3538-46	4.8	66
602	Molecular pair analysis: C-H...F interactions in the crystal structure of fluorobenzene? And related matters. <i>Chemistry - A European Journal</i> , 2006 , 12, 6804-15	4.8	92
601	Synthesis of Both Enantiomers of Diastereomeric 4-Fluoro-4,5-Dihydroceramides. 2006 , 2006, 4463-4472		13
600	Synthesis of Partially Fluorinated Heterocycles from 4,4-Bis(trifluoromethyl) Substituted Hetero-1,3-dienes via C-F Bond Activation and Their Application as Trifluoromethyl Substituted Building Blocks. 2006 , 69, 569		9

599	The strength of weak interactions: aromatic fluorine in drug design. 2006 , 6, 1473-82		60
598	The Cambridge Crystallographic Database. 2007 , 389-410		2
597	Photoelectron spectroscopy of hydrated hexafluorobenzene anions. 2007 , 127, 114312		13
596	Hyperstable Collagen Based on 4-Fluoroproline Residues. 2007 , 447-486		
595	Chiral dipeptide mimics possessing a fluoroolefin moiety: a relevant tool for conformational and medicinal studies. 2007 , 5, 1151-7		152
594	An experimental re-investigation of the role of aromatic-aromatic interactions in a templated synthesis of a macrocyclic pseudopeptide. 2007 , 5, 2205-6		3
593	Weak Csp ³ H...F...C Interaction Overshadows the Strong C=C...DC Hydrogen Bond: Structure of Pentafluorophenyl Prop-2-ynyl Carbonate. <i>Crystal Growth and Design</i> , 2007 , 7, 844-846	3.5	21
592	F...H...N and MeO...H...N Hydrogen-Bonding in the Solid States of Aromatic Amides and Hydrazides: A Comparison Study. <i>Crystal Growth and Design</i> , 2007 , 7, 1490-1496	3.5	33
591	Toward More Accurate Model Intermolecular Potentials for Organic Molecules. 2007 , 225-289		11
590	Is there any bona fide example of O-H...F-C bond in solution? The cases of HOC(CF ₃) ₂ (4-X-2,6-C ₆ H ₂ (CF ₃) ₂) (X = Si(i-Pr) ₃ , CF ₃). <i>Chemical Communications</i> , 2007 , 4384-6	5.8	17
589	D- and L-2',3'-didehydro-2',3'-dideoxy-3'-fluoro-carbocyclic nucleosides: synthesis, anti-HIV activity and mechanism of resistance. 2007 , 50, 1828-39		18
588	Molecular Stacking and Photoreactions of Fluorine-Substituted Benzyl Muconates in the Crystals. <i>Crystal Growth and Design</i> , 2007 , 7, 377-385	3.5	18
587	Temperature-dependent phase behavior and the crystal-forming nucleation process of ethyl 4-fluoro-2,3-dihydroxystearate monolayers. 2007 , 23, 1880-7		5
586	Synthesis, characterization and photophysics of a new series of anionic C,N,C cyclometalated platinum complexes. 2007 , 46, 9919-30		59
585	Theoretical investigation of in-plane hydrogen-bonded complexes of ammonia with partially substituted fluorobenzenes. 2007 , 111, 2772-7		7
584	Van der Waals complexes of small molecules with benzenoid rings: influence of multipole moments on their mutual orientation. 2007 , 111, 2139-47		31
583	The Unique Role of Halogen Substituents in the Design of Modern Crop Protection Compounds. 1189-1237		2
582	Variability in Halogen Interactions: In situ Cryocrystallization of Low Melting Substituted Trifluoroacetophenones. <i>Crystal Growth and Design</i> , 2007 , 7, 868-874	3.5	41

581	Absolute configuration of conformationally flexible cis-dihydrodiol metabolites by the method of confrontation of experimental and calculated electronic CD spectra and optical rotations. <i>Chemistry - A European Journal</i> , 2007 , 13, 5812-21	4.8	28
580	First synthesis of 2'-deoxyfluoropuromycin analogues: experimental insight into the mechanism of the Staudinger reaction. <i>Chemistry - A European Journal</i> , 2007 , 13, 5566-84	4.8	26
579	Crystal engineering: a holistic view. 2007 , 46, 8342-56		1144
578	Kristall-Engineering: eine holistische Darstellung. 2007 , 119, 8492-8508		100
577	Hydrogen Bonding of Fluorinated Saccharides in Solution: F Acting as H-Bond Acceptor in a Bifurcated H-Bond of 4-Fluorinated Levoglucosans. 2007 , 90, 1874-1888		33
576	The trifluoroethylamine function as peptide bond replacement. 2007 , 2, 1693-700		125
575	Synthetic Models of Weak Attractive Ligand-Polymer Interactions in Olefin Polymerization Catalysts. 2007 , 208, 1845-1852		10
574	Conjugated additions of amines and amino alcohols to trifluorocrotonic acid derivatives: synthesis of [NHCH(CF ₃)]-retro-thiorphan. 2007 , 48, 589-593		18
573	Novel diaminoaluminum halides and a diaminoaluminum hydride: 1,3,2-Diazaalumina-[3]ferrocenophanes. 2007 , 26, 3496-3504		14
572	Benzyl N,N-bis[2-(pentafluoroanilino)ethyl]carbamate. 2007 , 63, 0761-2		2
571	r-2,c-6-Bis(3-fluorophenyl)-t-3,t-5-dimethylpiperidin-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o4559-o4559		6
570	Fluorine in pharmaceuticals: looking beyond intuition. 2007 , 317, 1881-6		4581
569	Design, synthesis, and biological evaluation of new 3-hydroxy-2-oxo-3-trifluoromethylindole as potential HIV-1 reverse transcriptase inhibitors. 2007 , 15, 492-510		20
568	Crystal packing of 8,9,10,12-tetrafluoro-o-carborane: H...F versus H...H contacts. 2007 , 18, 465-469		13
567	A fluorine scan of non-peptidic inhibitors of neprilysin: Fluorophobic and fluorophilic regions in an enzyme active site. 2008 , 129, 852-865		20
566	C ₆ H ₅ F Hydrogen-Bonded Assembly of Ni(II) and Cu(II) Complexes Generate 3D Supramolecular Frameworks. 2008 , 38, 501-505		5
565	Synthesis of new 3-(trifluoromethyl)-1H-indoles by reduction of trifluoromethyloxindoles. 2008 , 45, 969-973		11
564	Determinants of the unexpected stability of RNA fluorobenzene self pairs. 2008 , 9, 2619-22		36

563	Stereoselective glycal fluorophosphorylation: synthesis of ADP-2-fluoroheptose, an inhibitor of the LPS biosynthesis. <i>Chemistry - A European Journal</i> , 2008 , 14, 9530-9	4.8	38
562	The Supramolecular Architecture of Arene Complexes of Bis(polyfluorophenyl)mercurials. 2008 , 2008, 4770-4780		15
561	A Combined NMR, Computational, and HPLC Study of the Inclusion of Aromatic and Fluoroaromatic Compounds in Cyclodextrins as a Model for Studying Carbohydrate-Aromatic Interactions. 2008 , 2008, 5891-5898		12
560	4-chloroprolines: synthesis, conformational analysis, and effect on the collagen triple helix. 2008 , 89, 443-54		64
559	Functional analysis of an aspartate-based epoxidation catalyst with amide-to-alkene peptidomimetic catalyst analogues. 2008 , 47, 6707-11		111
558	Up to 96% Enantioselectivities in the Hydrogenation of Fluorine Substituted (E)-2,3-Diphenylpropenoic Acids over Cinchonidine-Modified Palladium Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 2804-2814	5.6	42
557	Functional Analysis of an Aspartate-Based Epoxidation Catalyst with Amide-to-Alkene Peptidomimetic Catalyst Analogues. 2008 , 120, 6809-6813		34
556	Reactivity of M(en)Cl ₂ (M=PdII/PtII, en=1,2-diaminoethane) with N,N'-bis(salicylidene)-p-phenylenediamine: Binding with hexafluorobenzene. 2008 , 27, 241-248		19
555	Use of Fluorinated Functionality in Enzyme Inhibitor Development: Mechanistic and Analytical Advantages. 2008 , 129, 731-742		69
554	The role of lipophilicity in determining binding affinity and functional activity for 5-HT _{2A} receptor ligands. 2008 , 16, 4661-9		31
553	2-Alkylamino- and alkoxy-substituted 2-amino-1,3,4-oxadiazoles-O-Alkyl benzohydroxamate esters replacements retain the desired inhibition and selectivity against MEK (MAP ERK kinase). 2008 , 18, 6171-4		53
552	The discovery of the benzhydroxamate MEK inhibitors CI-1040 and PD 0325901. 2008 , 18, 6501-4		213
551	MP2 and QCISD(T) study on the convergence of interaction energies of weak O-H...F, C-H...O, and C-H...F hydrogen bridges. 2008 , 346, 224-236		34
550	Selective synthesis and self-organization at the air/water interface of long chain fluorinated unsaturated ethyl esters and alcohols. 2008 , 317, 414-420		4
549	Analysis of weak interactions involving organic fluorine: Insights from packing features in substituted 4-keto-tetrahydroindoles. 2008 , 888, 70-83		16
548	Update 1 of: Asymmetric fluorination, trifluoromethylation, and perfluoroalkylation reactions. 2008 , 108, PR1-43		758
547	Weak attractive ligand-polymer and related interactions in catalysis and reactivity: impact, applications, and modeling. 2008 , 3, 18-27		41
546	Hierarchy of Supramolecular Synthons: Persistent Carboxylic Acid...Pyridine Hydrogen Bonds in Cocrystals That also Contain a Hydroxyl Moiety. <i>Crystal Growth and Design</i> , 2008 , 8, 4533-4545	3.5	388

545	Noncovalent interactions of pentafluorobenzoate in the Zn(II) and Cd(II) complexes. 2008 , 34, 729-734		4
544	Understanding organofluorine chemistry. An introduction to the C-F bond. 2008 , 37, 308-19		2397
543	Leaving groups prolong the duration of 20S proteasome inhibition and enhance the potency of salinosporamides. 2008 , 51, 6711-24		51
542	Weak Hydrogen Bonds Make a Difference: Dimers of Jet-Cooled Halogenated Ethanol. 2008 , 222, 1407-1452		20
541	The N-H...X (X = Cl, Br, and I) Hydrogen-Bonding Pattern in Aromatic Amides: A Crystallographic and 1H NMR Study. <i>Crystal Growth and Design</i> , 2008 , 8, 1294-1300	3-5	45
540	Evaluation of the interchangeability of C-H and C-F groups: insights from crystal packing in a series of isomeric fluorinated benzanilides. 2008 , 10, 54-67		99
539	Fluorination in Medicinal Chemistry: Methods, Strategies, and Recent Developments. 2008 , 12, 305-321		928
538	Biological Impacts of Fluorination: Pharmaceuticals Based on Natural Products. 2008 , 553-622		5
537	Molecular Interactions of Fluorinated Amino Acids in a Native Polypeptide Environment. 2008 , 737-759		0
536	On the hydrogen bond nature of the C-H...F interactions in molecular crystals. An exhaustive investigation combining a crystallographic database search and ab initio theoretical calculations. 2008 , 10, 423		108
535	Four-Electron-Donor Hemilabile σ -PPh ₃ Ligand that Binds through a C-C Bond Rather than an Agostic C-H Interaction, and Displacement of the C-C by Methyl Iodide or Water. 2008 , 27, 3785-3795		11
534	7-fluoroindazoles as potent and selective inhibitors of factor Xa. 2008 , 51, 282-97		43
533	Selectfluor as a nucleofuge in the reactions of azabicyclo[n.2.1]alkane beta-halocarbamic acid esters (n = 2,3). <i>Journal of Organic Chemistry</i> , 2008 , 73, 2122-9	4.2	6
532	Hydrogen Bond Dynamics in Alcohol Clusters. 2008 , 1-57		23
531	Orthogonal dipolar interactions between amide carbonyl groups. 2008 , 105, 17290-4		112
530	Synthesis and crystal structures of two lead(II) complexes of 4,4,4-trifluoro-1-naphthyl-1,3-butanedione ligand, subtle interplay of weak intermolecular interactions. 2009 , 62, 3332-3342		4
529	Fluorine substitutions in an antigenic peptide selectively modulate T-cell receptor binding in a minimally perturbing manner. 2009 , 423, 353-61		28
528	Identification and quantification of glycoproteins using ion-pairing normal-phase liquid chromatography and mass spectrometry. 2009 , 8, 2170-85		63

527	Bindungsmechanismen in supramolekularen Komplexen. 2009 , 121, 3982-4036		177
526	Evidence for C-Cl/C-Br... π Interactions as an Important Contribution to Protein-Ligand Binding Affinity. 2009 , 121, 2955-2960		33
525	Position-dependent effects of fluorinated amino acids on the hydrophobic core formation of a heterodimeric coiled coil. <i>Chemistry - A European Journal</i> , 2009 , 15, 7628-36	4.8	41
524	Potent fluoro-oligosaccharide probes of adhesion in Toxoplasmosis. 2009 , 10, 2522-9		59
523	Preparation of N-Fmoc-Protected (S)-5-Amino-4,4-difluoro-7-methyloctanoic Acid, a Possible Dipeptide Isostere. 2009 , 92, 1720-1728		4
522	Binding mechanisms in supramolecular complexes. 2009 , 48, 3924-77		910
521	Evidence for C-Cl/C-Br... π interactions as an important contribution to protein-ligand binding affinity. 2009 , 48, 2911-6		221
520	Detailed insights from microarray and crystallographic studies into carbohydrate recognition by microneme protein 1 (MIC1) of <i>Toxoplasma gondii</i> . 2009 , 18, 1935-47		34
519	(E)-Methyl 2-[(2-fluorophenyl)aminomethylene]-3-oxobutanoate: X-ray and density functional theory (DFT) study. 2009 , 65, 183-5		2
518	Enantiotropic phase transition and twinning in 2,2,3,3,4,4-hexafluoropentane-1,5-diol. 2009 , 65, 9388-95		3
517	Probing UDP-galactopyranose mutase binding pocket: a dramatic effect on substitution of the 6-position of UDP-galactofuranose. 2009 , 19, 814-6		30
516	HN turn induced by fluorinated β -aminoxy diamide: synthesis and conformational studies. 2009 , 65, 9997-10001		3
515	Fluorine hydrogen short contacts and hydrogen bonds in substituted benzamides. 2009 , 130, 453-460		26
514	Second sphere coordination in fluoroanion binding: Synthesis, spectroscopic and X-ray structural study of [Co(phen) ₂ CO ₃](Pfbz) ₂ H ₂ O. 2009 , 130, 650-655		12
513	The C ₂ H ₂ Cl ₂ Cu(II) synthon in the structural direction and assembly of supramolecular complexes with the 3,3'-bis(2-benzimidazolyl)-2,2'-dipyridine ligand and its N-substituted derivatives. 2009 , 28, 2611-2618		6
512	Synthesis of 1-(methanesulfonyl- and aminosulfonylphenyl)acetylenes that possess a 2-(N-difluoromethyl-1,2-dihydropyridin-2-one) pharmacophore: evaluation as dual inhibitors of cyclooxygenases and 5-lipoxygenase with anti-inflammatory activity. 2009 , 19, 584-8		15
511	Identification and SAR of novel diaminopyrimidines. Part 1: The discovery of RO-4, a dual P2X(3)/P2X(2/3) antagonist for the treatment of pain. 2009 , 19, 1628-31		52
510	Synthesis and biological evaluation of salicylic acid and N-acetyl-2-carboxybenzenesulfonamide regioisomers possessing a N-difluoromethyl-1,2-dihydropyrid-2-one pharmacophore: dual inhibitors of cyclooxygenases and 5-lipoxygenase with anti-inflammatory activity. 2009 , 19, 6855-61		25

509	Fluorine bonding--how does it work in protein-ligand interactions?. <i>Journal of Chemical Information and Modeling</i> , 2009 , 49, 2344-55	6.1	201
508	Snapshots of the fluorosalinosporamide/20S complex offer mechanistic insights for fine tuning proteasome inhibition. 2009 , 52, 5420-8		35
507	The identity of the nucleophile substitution may influence metal interactions with the cleavage site of the minimal hammerhead ribozyme. 2009 , 48, 10654-64		28
506	Helical tubuland diols: a synthetic and crystal engineering quest. 2009 , 42, 67-78		42
505	Intramolecular hydrogen-bonded tertiary phosphines as 1,3,5-triaza-7-phosphaadamantane (PTA) analogues. 2009 , 48, 2633-8		12
504	Intramolecular six-membered N \cdots Br and N \cdots I hydrogen bonding in aromatic amides in the absence of competing interactions. 2009 , 11, 235-238		18
503	Hydrogen-bond directionality at the donor H atom—analysis of interaction energies and database statistics. 2009 , 11, 1563		186
502	Influence of Anion on the Coordination Mode of a Flexible Neutral Ligand in Zn(II) Complexes: From Discrete Zero-Dimensional to Infinite 1D Helical Chains, 2D Nanoporous Bilayer Networks, and 3D Interpenetrated Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2009 , 9, 1095-1105	3.5	72
501	C-X...H contacts in biomolecular systems: how they contribute to protein-ligand binding affinity. 2009 , 113, 12615-21		80
500	Fluorinated Moieties for Replacement of Amide and Peptide Bonds. 257-290		10
499	Synthesis, structure, and stability of adducts between phosphide and amide anions and the Lewis acids borane, tris(pentafluorophenyl)borane, and tris(pentafluorophenyl)alane. 2009 , 48, 11474-82		22
498	Synthesis of celecoxib analogues possessing a N-difluoromethyl-1,2-dihydropyrid-2-one 5-lipoxygenase pharmacophore: biological evaluation as dual inhibitors of cyclooxygenases and 5-lipoxygenase with anti-inflammatory activity. 2009 , 52, 1525-9		130
497	Structure of the Michaelis complex of beta-mannosidase, Man2A, provides insight into the conformational itinerary of mannoside hydrolysis. <i>Chemical Communications</i> , 2009 , 2484-6	5.8	20
496	A structural survey of metal-heteroaromatic supramolecular synthons for metal = tellurium, tin, and gold. 2009 , 11, 2701		45
495	A synthetic receptor for hydrogen-bonding to fluorines of trifluoroborates. <i>Chemical Communications</i> , 2009 , 5692-4	5.8	13
494	The intramolecular C \cdots HO hydrogen bond of 2-fluorophenyldiphenylmethanol. 2009 , 33, 2004		29
493	Halogen-halogen interactions in assembling sheets into 2D layers in the bis-(4-halo-phenylamido)alkanes and their co-crystals via inter-halogen interactions. 2009 , 11, 482-492		40
492	Collagen structure and stability. 2009 , 78, 929-58		2021

- 491 Psi[CH(CF₃)]NH]Gly-peptides: synthesis and conformation analysis. **2009**, 7, 2286-96 39
- 490 1,2,3-Trifluoro-benzene. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o2670 6
- 489 1,3-Difluoro-benzene. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o2668-9 5
- 488 A medicinal chemist's guide to molecular interactions. **2010**, 53, 5061-84 1027
- 487 Divergent synthesis of arylated pyridin-2(1H)-one derivatives via metal-catalysed cross-coupling processes. **2010**, 66, 6138-6149 16
- 486 Involvement of organic fluorine substitution in the crystalline packing structures of tricyclic Diels-Alder adducts derived from diarylfulvenes and N-arylimides. **2010**, 131, 345-356 25
- 485 Weak C-H...C interactions in carboxylate anion binding: Synthesis, spectroscopic and X-ray structural studies of [Co(phen)₂CO₃]₂ (C₇H₃O₂FCl)Cl·1H₂O and [Co(phen)₂CO₃](C₇H₃NO₄Cl)₂·6H₂O. **2010**, 122, 739-750 3
- 484 Substituent Effects on the Hydrogen Bonding between 4-Substituted Phenols and HF, H₂O, NH₃. **2010**, 21, 1433-1439 1
- 483 Weak Interactions Involving Fluorine in Supramolecular Assemblies of Cu(II) Complexes. **2010**, 28, 2083-2088 3
- 482 Probing Fluorine Interactions in a Polyhydroxylated Environment: Conservation of a C-H...H-C Recognition Motif in Presence of O-H...O Hydrogen Bonds. **2010**, 2010, 3387-3394 28
- 481 Anionic N-heterocyclic carbenes with N,N'-bis(fluoroaryl) and N,N'-bis(perfluoroaryl) substituents. *Chemistry - A European Journal*, **2010**, 16, 14520-33 4.8 33
- 480 Aggregation of fluorine-substituted pyridines. **2010**, 131, 446-449 18
- 479 Synthesis and biological evaluation of N-difluoromethyl-1,2-dihydropyrid-2-one acetic acid regioisomers: dual inhibitors of cyclooxygenases and 5-lipoxygenase. **2010**, 20, 2168-73 28
- 478 A DFT study on the origin of the fluorine gauche effect in substituted fluoroethanes. **2010**, 66, 2196-2202 99
- 477 Phenylacetic acid regioisomers possessing a N-difluoromethyl-1,2-dihydropyrid-2-one pharmacophore: evaluation as dual inhibitors of cyclooxygenases and 5-lipoxygenase with anti-inflammatory activity. **2010**, 20, 896-902 18
- 476 Synthesis and biological evaluation of indomethacin analogs possessing a N-difluoromethyl-1,2-dihydropyrid-2-one ring system: a search for novel cyclooxygenase and lipoxygenase inhibitors. **2010**, 20, 5776-80 14
- 475 2-[[[3-Fluorophenyl]amino]methylidene]-3-oxobutanenitrile and 5-[[[3-Fluorophenyl]amino]methylidene]-2,2-dimethyl-1,3-dioxane-4,6-dione: X-ray and DFT studies. **2010**, 66, o392-5 1
- 474 Intermolecular C-F...H-C contacts in the molecular packing of three isostructural N-(fluorophenyl)mannopyranosylamines. **2010**, 66, o565-70 1

473	The unique role of halogen substituents in the design of modern agrochemicals. 2010 , 66, 10-27		360
472	The 2'-OH group at the group II intron terminus acts as a proton shuttle. 2010 , 6, 218-224		12
471	Aromatic N versus aromatic F: bioisosterism discovered in RNA base pairing interactions leads to a novel class of universal base analogs. 2010 , 38, 3133-46		35
470	Pb ^{II} -Aryl Interactions as Supramolecular Synthons. 2010 , 63, 535		33
469	Development and boundaries in the field of supramolecular synthons. 2010 , 12, 3989		70
468	The role of the methyl group in stabilising the weak N-H... π hydrogen bond in the 4-fluorotoluene-ammonia complex. 2010 , 12, 132-42		12
467	Utilizing ion-pairing hydrophilic interaction chromatography solid phase extraction for efficient glycopeptide enrichment in glycoproteomics. 2010 , 82, 5598-609		231
466	Structural and biochemical studies of a fluoroacetyl-CoA-specific thioesterase reveal a molecular basis for fluorine selectivity. 2010 , 49, 9269-79		24
465	Fluoroolefins as peptide mimetics. 2. A computational study of the conformational ramifications of peptide bond replacement. 2010 , 114, 1123-33		25
464	Fluorobenzonitriles: Influence of the Substitution Pattern on Melting and Crystallization Properties. <i>Crystal Growth and Design</i> , 2010 , 10, 4250-4255	3-5	33
463	The effects of the hydrophobic environment on proton mobility in perfluorosulfonic acid systems: an ab initio molecular dynamics study. 2010 , 20, 6342		49
462	Self-assembly of Nafion [®] /poly(vinyl alcohol) at pH = 1.2 and Nafion [®] /poly(allyl amine) at pH = 11. 2010 ,		1
461	N-H...F hydrogen bonds in fluorinated benzanilides: NMR and DFT study. 2010 , 12, 13232-7		40
460	The intramolecular blue-shifting C-H...F hydrogen bond: crystal structure of [4,4'-bis(HCF ₂ CF ₂ CF ₂ CF ₂ CH ₂ OCH ₂)-2,2'-bpy]MCl ₂ where M = Pt, Pd. 2010 , 12, 538-542		24
459	The effect of fluorinated aryl substituents on the crystal structures of 1,2,3,5-dithiadiazolyl radicals. 2010 , 12, 172-185		44
458	Hydrogen bonded aryl amide and hydrazide oligomers: a new generation of preorganized soft frameworks. <i>Chemical Communications</i> , 2010 , 46, 1601-16	5.8	85
457	Heteromeric double helix formation by cross-hybridization of chloro-and fluoro-substituted quinoline oligoamides. <i>Chemical Communications</i> , 2010 , 46, 297-9	5.8	50
456	Folding oligomers of difluorinated thienylfurans: a DFT study. 2010 , 12, 523-32		5

455	C-H...F hydrogen bonding in 1,2,3,5-tetrafluorobenzene and other fluoroaromatic compounds and the crystal structure of alloxan revisited. 2010 , 12, 2079		88
454	Molecular structures of dicarboxylated viologens on a Cu(100) surface during an ongoing charge transfer reaction. 2010 , 12, 14950-9		16
453	Efficient synthesis of tetradecafluoro-4-phenylheptan-4-ol by a Cannizzaro-type reaction and application of the alcohol as a bulky Martin ligand variant for a new anti-apicophilic phosphorane. 2010 , 39, 9823-9		14
452	Isomer selective IR-UV depletion spectroscopy of 4-fluorotoluene-NH ₃ : evidence for proton-acceptor and linear hydrogen-bonded complexes. 2011 , 13, 15633-8		5
451	Crystal structures of fluorinated aryl biscarbonates and a biscarbamate: a counterpoise between weak intermolecular interactions and molecular symmetry. 2011 , 13, 1531-1538		9
450	Synthesis and structure of all-syn-1,2,3,4-tetrafluorocyclohexane. <i>Chemical Communications</i> , 2011 , 47, 8265-7	5.8	36
449	Organocatalytic asymmetric Strecker reaction of di- and trifluoromethyl ketoimines. Remarkable fluorine effect. 2011 , 13, 3826-9		154
448	Integration of lead optimization with crystallography for a membrane-bound ion channel target: discovery of a new class of AMPA receptor positive allosteric modulators. 2011 , 54, 78-94		53
447	Extending the supramolecular synthon based fragment approach (SBFA) for transferability of multipole charge density parameters to monofluorobenzoic acids and their cocrystals with isonicotinamide: importance of C-H...O, C-H...F, and F...F intermolecular regions. 2011 , 115, 12852-63		52
446	Role of organic fluorine in crystal engineering. 2011 , 13, 2175		250
445	Supramolecular engineering of intrinsic and extrinsic porosity in covalent organic cages. 2011 , 133, 16566-71		125
444	The art of stacking: structural folding and self-assembly of branched π-conjugation assisted by O-H...O and C-H...F hydrogen bonds. <i>Chemical Communications</i> , 2011 , 47, 481-3	5.8	10
443	Structure of 7-azaindole...2-fluoropyridine dimer in a supersonic jet: competition between N-H...N and N-H...F interactions. 2011 , 115, 10299-308		21
442	Chapter 3: Role of Fluorine in Weak Interactions in Co-crystals. <i>RSC Drug Discovery Series</i> , 2011 , 29-43	0.6	2
441	Emerging supramolecular synthons: C-H...O (chelate) interactions in metal bis(1,1-dithiolates). <i>Chemical Communications</i> , 2011 , 47, 6623-5	5.8	104
440	Molecular Recognition with Linear Molecules as Receptors. 2011 , 15, 1266-1292		15
439	2'-Fluoro substituents can mimic native 2'-hydroxyls within structured RNA. 2011 , 18, 949-54		10
438	Charge Density Analysis of Heterohalogen (C...F) and Homohalogen (F...F) Intermolecular Interactions in Molecular Crystals: Importance of the Extent of Polarizability. <i>Crystal Growth and Design</i> , 2011 , 11, 1338-1346	3.5	71

437	Design of zigzag-like supramolecular 1D assemblies of polyfluorinated meta-arylenediamines and 18-crown-6. 2011 , 995, 109-115	5
436	The role of weak intermolecular C π ...F interactions in supramolecular assembly: Structural investigations on 3,5-dibenzylidene-piperidin-4-one and database analysis. 2011 , 123, 403-409	12
435	Solid-phase molecular recognition of cytosine based on proton-transfer reaction. Part II. supramolecular architecture in the cocrystals of cytosine and its 5-Fluoroderivative with 5-Nitrouracil. 2011 , 5, 51	27
434	(4aR,8aS,9aR,10aS)-8a,9a-difluoro-1,4,4a,5,8,8a,9,9a,10,10a-decahydroanthracene-4a,10a-diol hemihydrate. 2011 , 67, o294-6	
433	Iminopyrrole derivatives containing electron-withdrawing substituents: the formation of dimers and supramolecular arrangements. 2011 , 67, o315-8	3
432	Steric and electronic effects on the heterolytic H ₂ -splitting by phosphine-boranes R ₃ B/PR' ₃ (R = C ₆ F ₅ , Ph; R' = C ₆ H ₂ Me ₃ , tBu, Ph, C ₆ F ₅ , Me, H): A computational study. 2011 , 111, 3761-3775	10
431	¹ HJFH coupling in 2-fluorophenol revisited: is intramolecular hydrogen bond responsible for this long-range coupling?. 2011 , 49, 763-7	45
430	Synthesis and Preferred Conformations of All Regio- and Diastereoisomeric Methyl 2,3-Fluorohydroxyalkanoates. 2011 , 2011, 355-363	8
429	De Novo Synthesis of Racemic 4-Deoxy-4,4-difluoro- and 2,4-Dideoxy-2,4,4-trifluorohexosides. 2011 , 2011, 3825-3836	18
428	Fluorine-protein interactions and ¹⁹ F NMR isotropic chemical shifts: An empirical correlation with implications for drug design. 2011 , 6, 104-14	80
427	Aromatische Ringe in chemischer und biologischer Erkennung: Energien und Strukturen. 2011 , 123, 4908-4944	232
426	On the Nature of C ^δ -H ^δ ...F ^δ -C Interactions in Hindered CF ₃ -C(sp ³) Bond Rotations. 2011 , 123, 11965-11968	4
425	Aromatic rings in chemical and biological recognition: energetics and structures. 2011 , 50, 4808-42	1163
424	On the nature of C-H...F-C interactions in hindered CF ₃ -C(sp ³) bond rotations. 2011 , 50, 11761-4	32
423	Designing structural motifs for clickamers: exploiting the 1,2,3-triazole moiety to generate conformationally restricted molecular architectures. <i>Chemistry - A European Journal</i> , 2011 , 17, 1473-84	4.8 74
422	Molecular recognition at the active site of catechol-O-methyltransferase (COMT): adenine replacements in bisubstrate inhibitors. <i>Chemistry - A European Journal</i> , 2011 , 17, 6369-81	4.8 30
421	η^5 -Cyclopentadienylpalladium(II) complexes: Synthesis, characterization and use for the vinyl addition polymerization of norbornene and the copolymerization with 5-vinyl-2-norbornene or 5-ethylidene-2-norbornene. 2011 , 696, 473-487	43
420	Facile synthesis of 4-deoxy-4-fluoro- β -D-talopyranoside, 4-deoxy-4-fluoro- β -D-idopyranoside and 2,4-dideoxy-2,4-difluoro- β -D-talopyranoside. 2011 , 132, 772-778	13

419	Supramolecular architectures based on As(lone pair)⋯(aryl) interactions. <i>Chemical Communications</i> , 2011 , 47, 7608-10	5.8	53
418	Interstrand dipole-dipole interactions can stabilize the collagen triple helix. 2011 , 286, 22905-12		14
417	Specific noncovalent interactions at protein-ligand interface: implications for rational drug design. 2012 , 19, 226-38		89
416	Tris(2-carbamoylguanidinium) hydrogen fluoro-phospho-nate fluoro-phospho-nate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o47-8		3
415	N-[Amino(imino)methyl]uronium tetrafluoroborate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o1114-5		1
414	Diamond⋯Water Coupling Effects in Raman and Photoluminescence Spectra of Nanodiamond Colloidal Suspensions. 2012 , 116, 24314-24319		41
413	1.5 Fluorine in Medicinal Chemistry: Importance of Chirality. 2012 , 70-85		10
412	3-fluoro- and 3,3-difluoro-3,4-dideoxy-KRN7000 analogues as new potent immunostimulator agents: total synthesis and biological evaluation in human invariant natural killer T cells and mice. 2012 , 55, 1227-41		20
411	Fluorocyclohexanes: synthesis and structure of all-syn-1,2,4,5-tetrafluorocyclohexane. <i>Chemical Communications</i> , 2012 , 48, 9643-5	5.8	36
410	Chemical Bond. 2012 , 51-157		2
409	Crystal Structures of Fluorinated Pyridines from Geometrical and Energetic Perspectives. <i>Crystal Growth and Design</i> , 2012 , 12, 1032-1039	3.5	38
408	Infrared-optical double resonance spectroscopic investigation of trifluoromethylphenols and their water complexes. 2012 , 116, 6996-7003		2
407	Tracing a Common Origin of Phase Transformation, Polymorphism, Disorder, Isosterism, and Isostructuralism in Fluorobenzoylcarvacryl Thiourea. <i>Crystal Growth and Design</i> , 2012 , 12, 4530-4534	3.5	17
406	Hydrogen bonds with fluorine. Studies in solution, in gas phase and by computations, conflicting conclusions from crystallographic analyses. 2012 , 3, 1381		185
405	The differing influence of halides upon supramolecular aggregation through C⋯ interactions in the crystal structures of (5-methyl-1-(4-X-arylamino)-1H-1,2,3-triazol-4-yl)methanol derivatives, X = H, F and Cl. 2012 , 14, 6534		9
404	TEFDDOLs (tetraakis(perfluoroaryl/alkyl)-2,2'-dimethyl-1,3-dioxolane-4,5-dimethanols): highly fluorinated chiral H-bond donors and Brønsted acids with distinct H-bonding patterns and supramolecular architectures. <i>Journal of Organic Chemistry</i> , 2012 , 77, 10145-57	4.2	13
403	The Synthesis of 1,2,3,4,5,6-Hexafluorocyclohexane (Benzene Hexafluoride) from Benzene. 2012 , 124, 10233-10235		6
402	The synthesis of 1,2,3,4,5,6-hexafluorocyclohexane (benzene hexafluoride) from benzene. 2012 , 51, 10086-8		14

401	Conformational analysis of fluorinated pyrrolidines using ^{19}F - ^1H scalar couplings and heteronuclear NOEs. <i>Chemistry - A European Journal</i> , 2012 , 18, 13133-41	4.8	29
400	Arg188 in rice sucrose transporter OsSUT1 is crucial for substrate transport. 2012 , 13, 26		10
399	Intermolecular C \cdots H \cdots (Chelate) Interactions Prevalence in the Crystal Structures of Metal 1,1-Dithiolates. 2012 , 275-299		6
398	Halogen Interactions as Important Contributors to Binding Affinity in Medicinal Chemistry. 2012 , 187-232		5
397	Aromatic amide foldamers: structures, properties, and functions. 2012 , 112, 5271-316		499
396	Structural Investigation of Weak Intermolecular Interactions in Fluorine Substituted Isomeric N-Benzylideneanilines. <i>Crystal Growth and Design</i> , 2012 , 12, 5096-5110	3.5	64
395	Supramolecular Self-assembly of Transition Metal Carbonyl Molecules Through M \cdots O(Lone Pair) \cdots (Arene) Interactions. 2012 , 49-92		30
394	Does fluoromethane form a hydrogen bond with water?. 2012 , 116, 10842-9		30
393	Assessment of the intramolecular C \cdots H \cdots X (X=F, Cl, Br) hydrogen bonding of 1,4-diphenyl-1,2,3-triazoles. 2012 , 68, 8857-8862		21
392	Conformational impact of pentafluorosulfanylation on acyclic aliphatic molecules. 2012 , 143, 281-286		11
391	Is Organic Fluorine Really Not Polarizable?. <i>Crystal Growth and Design</i> , 2012 , 12, 541-546	3.5	117
390	The F \cdots HO intramolecular hydrogen bond forming five-membered rings hardly appear in monocyclic organofluorine compounds. <i>RSC Advances</i> , 2012 , 2, 4169	3.7	43
389	Crystal Engineering. 2012 ,		1
388	N-H \cdots X (X = F, Cl, Br, and I) hydrogen bonding in aromatic amide derivatives in crystal structures. 2012 , 55, 2018-2026		13
387	Computational evidence for intramolecular hydrogen bonding and nonbonding X \cdots O interactions in 2'-haloflavonols. 2012 , 8, 112-7		20
386	Conformational analysis, stereoelectronic interactions and NMR properties of 2-fluorobicyclo[2.2.1]heptan-7-ols. 2012 , 8, 1227-32		11
385	Two polymorphs of bis(2-carbamoylguanidinium) fluorophosphonate dihydrate. 2012 , 68, o71-5		4
384	Mixed crystals of 2-carbamoylguanidinium with hydrogen fluorophosphonate and hydrogen phosphite in the ratios 1:0, 0.76 (2):0.24 (2) and 0.115 (7):0.885 (7). 2012 , 68, o76-83		9

- 383 Syndiotactic- and heterotactic-specific radical polymerizations of N-n-propyl-fluoroacrylamide and phase-transition behaviors of aqueous solutions of poly(N-n-propyl-fluoroacrylamide). **2012**, 50, 2471-2483 4
- 382 F^{δ-}HO intramolecular hydrogen bond as the main transmission mechanism for (1h)J(F,H(O)) coupling constant in 2'-fluoroflavonol. **2012**, 50, 551-6 7
- 381 An Unexpected and Significantly Lower Hydrogen-Bond-Donating Capacity of Fluorohydrins Compared to Nonfluorinated Alcohols. **2012**, 124, 6280-6284 23
- 380 An unexpected and significantly lower hydrogen-bond-donating capacity of fluorohydrins compared to nonfluorinated alcohols. **2012**, 51, 6176-80 70
- 379 Intermolecular and intramolecular hydrogen bonds involving fluorine atoms: implications for recognition, selectivity, and chemical properties. **2012**, 7, 262-72 55
- 378 Diarylheterocycle core ring features effect in selective COX-1 inhibition. **2012**, 7, 629-41 29
- 377 Evidence for the Amphoteric Nature of Fluorine in Halogen Bonds: An Instance of Cl^{δ+}F Contact. *Crystal Growth and Design*, **2012**, 12, 1713-1716 3.5 44
- 376 Synthesis of 1-alkyl-2-(trifluoromethyl)azetidines and their regiospecific ring opening toward diverse N-(trifluoromethyl)amines via intermediate azetidinium salts. *Journal of Organic Chemistry*, **2012**, 77, 5982-92 4.2 43
- 375 Unusual Very Strong O^{δ-}H^{δ+}O Hydrogen Bonding in Zinc Complex: Crystal Structure and Photoluminescence of [Zn(HL)(bpy)₂(H₂O)]₂(L) (L = O₂C(CF₂)₆CO₂, bpy = 2,2'-bipyridine). **2012**, 42, 832-838 6
- 374 Supramolecular aggregation patterns based on the bio-inspired Se(lone pair)⋯(aryl) synthon. *Coordination Chemistry Reviews*, **2012**, 256, 412-438 23.2 36
- 373 Intra-molecular hydrogen bonding with organic fluorine in the solution state: Deriving evidence by a two dimensional NMR experiment. **2012**, 525-526, 129-133 16
- 372 Synthesis, biological evaluation and molecular investigation of fluorinated peroxisome proliferator-activated receptors partial agonists. **2012**, 20, 2141-51 21
- 371 Efficient synthesis of 1-alkyl-3-methylimidazolium fluorides and possibility of the existence of hydrogen bonding between fluoride anion and C(sp³)H. **2012**, 133, 160-162 15
- 370 Stereospecific formation of a ternary complex of (S)-2-fluoromethylene-dATP with DNA pol III. **2012**, 13, 528-30 23
- 369 Scalar coupling across [C-H^{δ+}⋯F-C] interactions in (aryl)-chelating post-metallocenes. *Chemistry - A European Journal*, **2012**, 18, 565-73 4.8 26
- 368 Manganese(II) and copper(II) complexes based on pentafluorobenzoate: interaction of fluorine in solid state. **2013**, 39, 529-536 1
- 367 A supramolecular synthon approach to aid the discovery of architectures sustained by C-H^{δ+}⋯M hydrogen bonds. *Chemical Communications*, **2013**, 49, 8501-3 5.8 31
- 366 Conformational analysis of 1-chloro- and 1-bromo-2-propanol. **2013**, 117, 10980-4 4

365	Investigating the role of (2S,4R)-4-hydroxyproline in elastin model peptides. 2013 , 14, 4278-88		19
364	Polymorphs, Solvates, Polymorphs of Solvate and Cs ⁺ Interactions of Fluorine-Substituted bis-Phenols. <i>Crystal Growth and Design</i> , 2013 , 13, 5146-5155	3.5	10
363	Weak C-H...O and Dipole-Dipole Interactions as Driving Forces in Crystals of Fluorosubstituted Phenylboronic Catechol Esters. <i>Crystal Growth and Design</i> , 2013 , 13, 5344-5352	3.5	28
362	Reverse selective NH ₃ /CO ₂ permeation in fluorinated polymers using membrane gas separation. 2013 , 441, 63-72		25
361	Collagen-like peptides and peptide-polymer conjugates in the design of assembled materials. 2013 , 49, 2998-3009		58
360	New histone deacetylase inhibitors based on 4-fluoro-2-amino acid esters: Synthesis and activity. 2013 , 152, 144-156		11
359	Computational investigation of surface reactivity of functionalized silicon surfaces in deposition processes. 2013 , 132, 1		10
358	Study of Halogen-Mediated Weak Interactions in a Series of Halogen-Substituted Azobenzenes. <i>Crystal Growth and Design</i> , 2013 , 13, 4803-4814	3.5	44
357	Observation of exclusively stacked heterodimer of indole and hexafluorobenzene in the gas phase. 2013 , 139, 104311		19
356	The preferred all-gauche conformations in 3-fluoro-1,2-propanediol. 2013 , 11, 6766-71		23
355	Co-crystallisation through halogen bonding with racemic or enantiopure sulfinamides. 2013 , 15, 7571		5
354	Stereocontrolled cyanohydrin ether synthesis through chiral Brønsted acid-mediated vinyl ether hydrocyanation. <i>Journal of Organic Chemistry</i> , 2013 , 78, 9366-76	4.2	22
353	Intramolecular OH...FC hydrogen bonding in fluorinated carbohydrates: CHF is a better hydrogen bond acceptor than CF ₂ . 2013 , 52, 10524-8		59
352	Reactivity of Silyl-Substituted Iron/Platinum Hydride Complexes toward Unsaturated Molecules: 4. Insertion of Fluorinated Aromatic Alkynes into the Platinum-Hydride Bond. Synthesis and Reactivity of Heterobimetallic Dimetallacyclopentenone, Dimetallacyclobutene, Vinylidene, and Alkenyl Complexes. 2013 , 32, 5343-5359		14
351	Conformational analysis of 6-fluorosalicic acid. <i>RSC Advances</i> , 2013 , 3, 25765	3.7	8
350	Engagement of CF ₃ group in N-H...F-C hydrogen bond in the solution state: NMR spectroscopy and MD simulation studies. 2013 , 117, 1123-9		38
349	Supramolecular assembly of 2,4,5-trifluorobenzoate complex based on weak interactions involving fluorine atoms. 2013 , 24, 73-75		5
348	¹⁹ F and ¹³ C GIAO-NMR chemical shifts for the identification of perfluoro-quinoline and -isoquinoline derivatives. 2013 , 155, 62-71		9

347	The Unique Role of Halogen Substituents in the Design of Modern Crop Protection Compounds. 2013 , 73-128		8
346	Molecular switching behavior in isosteric DNA base pairs. 2013 , 14, 1219-26		12
345	Pharmaceuticals and Other Biomedical Applications. 2013 , 299-350		2
344	A genetically encoded ¹⁹ F NMR probe for tyrosine phosphorylation. 2013 , 52, 3958-62		34
343	Theoretical studies on the transport mechanism of 5-fluorouracil through cyclic peptide based nanotubes. 2013 , 15, 1260-70		29
342	Steric complementarity in the decoding center is important for tRNA selection by the ribosome. 2013 , 425, 3778-89		25
341	The shape of the halogen atom anisotropy of electron distribution and its dependence on basis set and method used. 2013 , 24, 1297-1306		21
340	Enabling nucleophilic substitution reactions of activated alkyl fluorides through hydrogen bonding. 2013 , 15, 2210-3		65
339	[Pd(Fmes) ₂ (tmeda)]: a case of intermittent C-H...F-C hydrogen-bond interaction in solution. <i>Chemistry - A European Journal</i> , 2013 , 19, 3702-9	4.8	7
338	Conformational analysis and intramolecular interactions in aminofluorobenzoic acids. 2013 , 117, 1659-64		10
337	Binary complexes of ammonia with phenylacetylenes: a combined experimental and computational approach to explore multiple minima on intermolecular potentials. 2013 , 14, 746-53		5
336	Supra-molecular synthons based on gold(arene) interactions. 2013 , 46, 81-89		32
335	Controlling conformations of conjugated polymers and small molecules: the role of nonbonding interactions. 2013 , 135, 10475-83		324
334	Chemical fidelity of an RNA polymerase ribozyme. 2013 , 4, 2804		22
333	H/F isosteric substitution to attest different equi-energetic molecular conformations in crystals. 2013 , 15, 5403		2
332	A theoretical investigation of the dictating forces in small amino acid conformational preferences: The case of glycine, sarcosine and N,N-dimethylglycine. 2013 , 421, 32-38		16
331	Delocalised antimony(lone pair)- and bismuth-(lone pair)(arene) interactions: Supramolecular assembly and other considerations. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 2863-2879	23.2	60
330	Design and structural regularities of zigzag-like supramolecular 1D assemblies of polyhalogenated 2,6-, 2,4-diaminopyridines and 18-crown-6. 2013 , 1033, 27-33		4

329	Strong Cytotoxicity of Organometallic Platinum Complexes with Alkynyl Ligands. 2013 , 32, 3662-3672		29
328	Discovery of new small molecules targeting the vitronectin-binding site of the urokinase receptor that block cancer cell invasion. 2013 , 12, 1402-16		26
327	Structural and docking studies of potent ethionamide boosters. 2013 , 69, 1243-50		8
326	A Genetically Encoded ¹⁹ F NMR Probe for Tyrosine Phosphorylation. 2013 , 125, 4050-4054		5
325	Steric control over C=O...C=O interactions in M(S2COR)2(dafone) compounds: M = Zn and Cd; R = Me, Et and iPr; dafone = 4,5-diazafluoren-9-one-N,N?. 2013 , 228, 187-198		5
324	Intramolecular OH...FC Hydrogen Bonding in Fluorinated Carbohydrates: CHF is a Better Hydrogen Bond Acceptor than CF2. 2013 , 125, 10718-10722		22
323	Use of 3-[[¹⁸ F]fluoropropanesulfonyl chloride as a prosthetic agent for the radiolabelling of amines: Investigation of precursor molecules, labelling conditions and enzymatic stability of the corresponding sulfonamides. 2013 , 9, 1002-11		8
322	Conformational analysis and intramolecular interactions in monosubstituted phenylboranes and phenylboronic acids. 2013 , 9, 1127-34		6
321	Structural basis of nucleoside and nucleoside drug selectivity by concentrative nucleoside transporters. 2014 , 3, e03604		42
320	Fluorine prefers hydrogen bonds over halogen bonds! Insights from crystal structures of some halofluorobenzenes. 2014 , 229,		9
319	Fluorine as a hydrogen-bond acceptor: experimental evidence and computational calculations. <i>Chemistry - A European Journal</i> , 2014 , 20, 11058-68	4.8	107
318	Highly Efficient Dn Water-Catalyst-Free Nucleophilic Addition Reactions Using Difluoroenoxyasilanes: Dramatic Fluorine Effects. 2014 , 126, 9666-9670		39
317	Which intermolecular interactions have a significant influence on crystal packing?. 2014 , 16, 6852-6865		52
316	Crystal architecture of the low melting nitrogen heterocycles tetrafluoropyrimidine and trifluorotriazine. 2014 , 229, 603-608		2
315	Structural determinants of the catalytic inhibition of human topoisomerase II β by salicylate analogs and salicylate-based drugs. 2014 , 89, 464-76		3
314	Insight into the role of fluorinated dendrimers in ruthenium(II) catalyst for asymmetric transfer hydrogenation: The stabilizing effects from experimental and DFT approach. 2014 , 387, 92-102		12
313	Understanding of the Weak Intermolecular Interactions Involving Halogens in Substituted N-Benzylideneanilines: Insights from Structural and Computational Perspectives. <i>Crystal Growth and Design</i> , 2014 , 14, 1600-1616	3.5	24
312	Synthesis and elaboration of all-cis-1,2,4,5-tetrafluoro-3-phenylcyclohexane: a polar cyclohexane motif. <i>Chemistry - A European Journal</i> , 2014 , 20, 6259-63	4.8	18

311	Anomeric effects in fluoro and trifluoromethyl piperidines: a computational study of conformational preferences and hydration. 2014 , 133, 1		5
310	Modulating "jousting" C-F...H-C interactions with a bit of hydrogen bonding. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1-6	4.2	47
309	A new colorimetric and fluorescent chemosensor based on thiacalix[4]arene for fluoride ions. 2014 , 55, 7094-7098		24
308	Can non-polar hydrogen atoms accept hydrogen bonds?. <i>Chemical Communications</i> , 2014 , 50, 5212-4	5.8	13
307	Hydrogen-Bonded Dimeric Synthons of Fluoro-Substituted Phenylboronic Acids versus Supramolecular Organization in Crystals. <i>Crystal Growth and Design</i> , 2014 , 14, 5912-5921	3.5	23
306	Highly fluorinated naphthalenes and bifurcated C-H...F hydrogen bonding. 2014 , 16, 9711-9720		21
305	Friedel-Crafts reaction of benzyl fluorides: selective activation of C-F bonds as enabled by hydrogen bonding. 2014 , 53, 13835-9		149
304	Molecular symmetry and fluorine-containing supramolecular synthons as structure-differentiating agents in some Bridge-flipped isomeric bis-benzylideneanilines. 2014 , 16, 7226-7235		5
303	Characterization of Interactions Involving Bromine in 2,2-Dibromo-2,3-dihydroinden-1-one via Experimental Charge Density Analysis. <i>Crystal Growth and Design</i> , 2014 , 14, 5477-5485	3.5	19
302	Electron transport via phenyl-perfluorophenyl interaction in crystals of fluorine-substituted dibenzalacetones. <i>RSC Advances</i> , 2014 , 4, 50188-50194	3.7	5
301	Probing solute-solvent interactions using difluorobenzene isomers in water-monohydric-alcohol mixtures. 2014 , 198, 392-397		1
300	Investigation of putative arene-C-H...F (quasi-chelate ring) interactions in copper(I) crystal structures. <i>Chemical Communications</i> , 2014 , 50, 5984-6	5.8	37
299	Novel chiral ionic liquids: physicochemical properties and investigation of the internal rotameric behaviour in the neat system. 2014 , 16, 1208-26		18
298	The seeming lack of C-F...HO intramolecular hydrogen bonds in linear aliphatic fluoroalcohols in solution. 2014 , 16, 19212-7		30
297	Analysis of C-F...FC interactions on cyclohexane and naphthalene frameworks. 2014 , 118, 7901-10		32
296	Regulating Nucleation Kinetics through Molecular Interactions at the Polymer-Solute Interface. <i>Crystal Growth and Design</i> , 2014 , 14, 678-686	3.5	40
295	Reversible Control of Crystalline Rotors by Squeezing Their Hydrogen Bond Cloud Across a Halogen Bond-Mediated Phase Transition. <i>Crystal Growth and Design</i> , 2014 , 14, 3375-3383	3.5	30
294	Penta- and Decafluorinated Dibenzalacetones: Synthesis, Crystal Structure, and Cocrystallization Experiments. <i>Crystal Growth and Design</i> , 2014 , 14, 2335-2342	3.5	7

293	Highly efficient "on water" catalyst-free nucleophilic addition reactions using difluoroenoxy silanes: dramatic fluorine effects. 2014 , 53, 9512-6		121
292	A computational study of pyrazinamide: Tautomerism, acid-base properties, micro-solvation effects and acid hydrolysis mechanism. 2014 , 1046, 30-41		23
291	M(Ligand) interactions for M = gallium, indium and thallium: Influence upon supramolecular self-assembly and prevalence in some proteins. <i>Coordination Chemistry Reviews</i> , 2014 , 281, 50-63	23.2	22
290	Surprising base pairing and structural properties of 2'-trifluoromethylthio-modified ribonucleic acids. 2014 , 136, 6656-63		26
289	Ab initio molecular dynamics simulations of water and an excess proton in water confined in carbon nanotubes. 2014 , 16, 17756-69		30
288	Seeking small molecules for singlet fission: a heteroatom substitution strategy. 2014 , 136, 12638-47		100
287	Aromatic triazole foldamers induced by C-H...X (X = F, Cl) intramolecular hydrogen bonding. <i>Journal of Organic Chemistry</i> , 2014 , 79, 5134-44	4.2	30
286	Supramolecular Architectures Based on M(Ligand) Interactions for M=Se and Te. 2014 , 1-16		1
285	Friedel-Crafts Reaction of Benzyl Fluorides: Selective Activation of C-F Bonds as Enabled by Hydrogen Bonding. 2014 , 126, 14055-14059		60
284	Crystal associates of 18-crown-6 and polyfluoro(hetero)arylenediamines: structure, properties, and selectivity of formation. 2015 , 64, 1746-1756		7
283	Insight into the Binding Mode of Agonists of the Nicotinic Acetylcholine Receptor from Calculated Electron Densities. 2015 , 16, 2760-2767		15
282	Thermodynamic Profiling of Carbonic Anhydrase Inhibitors. 2015 , 137-154		
281	Involvement of a Hydrophobic Pocket and Helix 11 in Determining the Modes of Action of Prenylated Flavonoids and Isoflavonoids in the Human Estrogen Receptor. 2015 , 16, 2668-77		12
280	Stereoselective [3+2] Carbocyclization of Indole-Derived Imines and Electron-Rich Alkenes: A Divergent Synthesis of Cyclopenta[b]indole or Tetrahydroquinoline Derivatives. <i>Chemistry - A European Journal</i> , 2015 , 21, 16769-74	4.8	14
279	Unusual H-Bond Topology and Bifurcated H-bonds in the 2-Fluoroethanol Trimer. 2015 , 127, 11877-11881		10
278	Unusual H-Bond Topology and Bifurcated H-bonds in the 2-Fluoroethanol Trimer. 2015 , 54, 11711-5		26
277	Intramolecular OH...Fluorine Hydrogen Bonding in Saturated, Acyclic Fluoroalcohols: The 1-Fluoropropanol Motif. <i>Chemistry - A European Journal</i> , 2015 , 21, 17808-16	4.8	37
276	Supramolecular chemistry: from aromatic foldamers to solution-phase supramolecular organic frameworks. 2015 , 11, 2057-71		11

275	Robustness of thioamide dimer synthon, carbon bonding and thioamide-thioamide stacking in ferrocene-based thiosemicarbazones. 2015 , 17, 2553-2561		29
274	Insights into the C-H...F hydrogen bond by Cambridge Structural Database analyses and computational studies. <i>RSC Advances</i> , 2015 , 5, 26932-26940	3-7	9
273	Stable negative differential resistance in porphyrin based monolayers grafted on silicon. <i>RSC Advances</i> , 2015 , 5, 50234-50244	3-7	5
272	Synthesis and fluorine-mediated interactions in methanol-encapsulated solid state self-assembly of an isatin-thiazoline hybrid. 2015 , 1098, 124-129		15
271	Water permeability and competitive permeation with CO ₂ and CH ₄ in perfluorinated polymeric membranes. 2015 , 147, 203-209		31
270	Understanding of Noncovalent Interactions Involving Organic Fluorine. 2015 , 37-67		25
269	Three centered hydrogen bonds of the type C=O...H(N)...X-C in diphenyloxamide derivatives involving halogens and a rotating CF ₃ group: NMR, QTAIM, NCI and NBO studies. 2015 , 17, 7528-36		15
268	Solid-State Examination of Conformationally Diverse Sulfonamide Receptors Based on Bis(2-anilinoethynyl)pyridine, -Bipyridine, and -Thiophene. <i>Crystal Growth and Design</i> , 2015 , 15, 1502-1515	3-5	6
267	Aryne approach towards 2,3-difluoro-10-(1H-1,2,3-triazol-1-yl)pyrido[1,2-a]indoles. 2015 , 25, 13-14		17
266	Structural basis of ligand binding to UDP-galactopyranose mutase from <i>Mycobacterium tuberculosis</i> using substrate and tetrafluorinated substrate analogues. 2015 , 137, 1230-44		63
265	Synthetic Methods. 2015 , 59-100		1
264	General Aspects of Organofluorine Compounds. 2015 , 1-27		5
263	Synthesis and biological evaluation of (3',5'-dichloro-2,6-dihydroxy-biphenyl-4-yl)-aryl/alkyl-methanone selective CB ₂ inverse agonist. 2015 , 23, 5390-401		9
262	Coordination diversity in hydrogen-bonded homoleptic fluoride-alcohol complexes modulates reactivity. 2015 , 6, 5293-5302		51
261	Structure of N-myristoyltransferase from <i>Aspergillus fumigatus</i> . 2015 , 71, 754-61		1
260	Applications of Fluorine in Medicinal Chemistry. 2015 , 58, 8315-59		1758
259	Local molecular organizations of ibuprofen, flurbiprofen and ketoprofen in the liquid phase: Insights from molecular dynamics simulations. 2015 , 205, 74-77		10
258	Crystallographic and computational investigation of intermolecular interactions involving organic fluorine with relevance to the hybridization of the carbon atom. 2015 , 17, 3596-3609		28

257	Inactivation of Mandelate Racemase by 3-Hydroxypyruvate Reveals a Potential Mechanistic Link between Enzyme Superfamilies. 2015 , 54, 2747-57		3
256	Intramolecular hydrogen bonds involving organic fluorine in the derivatives of hydrazides: an NMR investigation substantiated by DFT based theoretical calculations. 2015 , 17, 15226-35		14
255	Hydrogen Bonds Involving Sulfur: New Insights from ab Initio Calculations and Gas Phase Laser Spectroscopy. 2015 , 15-45		33
254	Energy decomposition analysis of gauche preference in 2-haloethanol, 2-haloethylamine (halogen = F, Cl), their protonated forms and anti preference in 1-chloro-2-fluoroethane. <i>RSC Advances</i> , 2015 , 5, 22980-22995	3.7	15
253	Connecting Electron-Deficient and Electron-Rich Aromatics to Support Intermolecular Interactions in Crystals. 2015 , 2015, 3235-3239		2
252	Practical, asymmetric route to sitagliptin and derivatives: development and origin of diastereoselectivity. 2015 , 17, 1742-5		16
251	A comprehensive understanding of the synthons involving C δ -F δ hydrogen bond(s) from structural and computational analyses. 2015 , 17, 2949-2963		13
250	The role of bio-inspired hierarchical structures in wetting. 2015 , 10, 026009		19
249	Organic fluorine involved intramolecular hydrogen bonds in the derivatives of imides: NMR evidence corroborated by DFT based theoretical calculations. <i>RSC Advances</i> , 2015 , 5, 86013-86022	3.7	17
248	Organic crystal engineering beyond the Pauling hydrogen bond. 2015 , 17, 7448-7460		29
247	Orchestration of Structural, Stereoelectronic, and Hydrogen-Bonding Effects in Stabilizing Triplexes from Engineered Chimeric Collagen Peptides (Pro(X)-Pro(Y)-Gly) ₆ Incorporating 4(R/S)-Aminoproline. <i>Journal of Organic Chemistry</i> , 2015 , 80, 8552-60	4.2	13
246	Rational Design of Orthogonal Multipolar Interactions with Fluorine in Protein-Ligand Complexes. 2015 , 58, 7465-74		52
245	Quantum chemical topological analysis of hydrogen bonding in HX \cdots X and CH ₃ X \cdots X dimers (X = Br, Cl, F). 2015 , 41, 600-609		7
244	Investigation into the effect on structure of oxoanion doping in Na ₂ M(SO ₄) ₂ ·2H ₂ O. 2016 , 242, 103-111		8
243	Synthesis and Biological Evaluation of Fluorinated 3-Phenylcoumarin-7-O-Sulfamate Derivatives as Steroid Sulfatase Inhibitors. 2016 , 87, 233-8		14
242	Fluoro-o-cresols: The Key Role of Intramolecular Hydrogen Bonding in Conformational Preference and Hydrogen-Bond Acidity. 2016 , 17, 2702-9		11
241	Catalytic enantioselective addition of organoboron reagents to fluoroketones controlled by electrostatic interactions. 2016 , 8, 768-77		94
240	LpxC Inhibitors: Design, Synthesis, and Biological Evaluation of Oxazolidinones as Gram-negative Antibacterial Agents. <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 623-8	4.3	16

239	The acidity of phosphoglucomutase monofluoromethylenephosphonate ligands probed by NMR spectroscopy and quantum mechanical methods. 2016 , 94, 902-908	2
238	Adsorption mechanism of different organic chemicals on fluorinated carbon nanotubes. 2016 , 154, 258-265	18
237	Experimental Binding Energies in Supramolecular Complexes. 2016 , 116, 5216-300	303
236	Autocatalytic Friedel-Crafts Reactions of Tertiary Aliphatic Fluorides Initiated by B(C ₆ F ₅) ₃ H ₂ O. 2016 , 6, 3670-3673	51
235	Experimental and computational analysis of supramolecular motifs involving Csp ² (aromatic) and CF ₃ groups in organic solids. 2016 , 40, 4981-5001	29
234	Self-Assembled Monolayers of Perfluoroanthracenylaminoalkane Thiolates on Gold as Potential Electron Injection Layers. 2016 , 8, 7308-19	9
233	Main group metal lone-pair(arene) interactions: a new bonding mode for supramolecular associations. 2016 , 18, 6960-6978	27
232	Microsolvation of Fluoromethane. 2016 , 120, 7519-28	7
231	Tris(acetonitrile)chloropalladium tetrafluoroborate synthesis, application and structural analysis. 2016 , 1121, 135-141	1
230	Exploring the Potent Inhibition of CTP Synthase by Gemcitabine-5'-Triphosphate. 2016 , 17, 2240-2249	9
229	Two- and Three-Centered Hydrogen Bonds Involving Organic Fluorine Stabilize Conformations of Hydrazide Halo Derivatives: NMR, IR, QTAIM, NCI, and Theoretical Evidence. 2016 , 120, 7810-7816	10
228	Structural characteristics of hydrated protons in the conductive channels: effects of confinement and fluorination studied by molecular dynamics simulation. 2016 , 18, 24198-209	11
227	Fluorine Directed Two-Dimensional Cruciform Stacking in Diketopyrrolopyrroles. <i>Crystal Growth and Design</i> , 2016 , 16, 5385-5393	3,5 16
226	Comparative chemical genomics reveal that the spiroindolone antimalarial KAE609 (Cipargamin) is a P-type ATPase inhibitor. 2016 , 6, 27806	31
225	Fluorination at the 4 position alters the substrate behavior of L-glutamine and L-glutamate: Implications for positron emission tomography of neoplasias. 2016 , 192, 58-67	3
224	Structure of molecular cocrystals of 18-crown-6 and polyhalogeno-meta-phenylenediamines. 2016 , 57, 1225-1234	1
223	Preparation of difluoromethylthioethers through difluoromethylation of disulfides using TMS-CF ₂ H. <i>Chemical Communications</i> , 2016 , 52, 8448-51	5.8 34
222	Short C-H...F interactions involving the 2,5-difluorobenzene group: understanding the role of fluorine in aggregation and complex C-H...F disorder in a 2D isomer grid. 2016 , 18, 5764-5776	10

221	On the predictability of supramolecular interactions in molecular cocrystals [The view from the bench. 2016 , 18, 5434-5439		41
220	5-Fluoroimidazo[4,5-b]pyridine Is a Privileged Fragment That Conveys Bioavailability to Potent Trypanosomal Methionyl-tRNA Synthetase Inhibitors. 2016 , 2, 399-404		21
219	Weak Intermolecular Hydrogen Bonds with Fluorine: Detection and Implications for Enzymatic/Chemical Reactions, Chemical Properties, and Ligand/Protein Fluorine NMR Screening. <i>Chemistry - A European Journal</i> , 2016 , 22, 7592-601	4.8	58
218	Visualizing the tunnel in tryptophan synthase with crystallography: Insights into a selective filter for accommodating indole and rejecting water. 2016 , 1864, 268-279		19
217	Intermolecular Interactions and Energetics in the Crystalline [Stacks and Associated Model Dimer Systems of Asymmetric Halogenated Diketopyrrolopyrroles. <i>Crystal Growth and Design</i> , 2016 , 16, 1531-1542	3.5	14
216	Persistence of C-H...F (chelate ring) interactions in the crystal structures of Pd(S2COR)2. The utility of Pd(S2COR)2 as precursors for palladium sulphide materials. 2016 , 18, 1105-1117		24
215	4-Fluoroprolines: Conformational Analysis and Effects on the Stability and Folding of Peptides and Proteins. 2017 , 48, 1-25		32
214	Fluorinated steroids and their derivatives. 2016 , 185, 48-85		13
213	Polar alicyclic rings: synthesis and structure of all cis-1,2,3,4-tetrafluorocyclopentane. <i>Chemical Communications</i> , 2016 , 52, 5116-9	5.8	8
212	Cucurbitacin I elicits the formation of actin/phospho-myosin II co-aggregates by stimulation of the RhoA/ROCK pathway and inhibition of LIM-kinase. 2016 , 102, 45-63		16
211	Effects of Fluorine Substitution on the Intermolecular Interactions, Energetics, and Packing Behavior of N-Benzyl Substituted Diketopyrrolopyrroles. <i>Crystal Growth and Design</i> , 2016 , 16, 2371-2384	2.5	20
210	Fluorine-Terminated Diamond Surfaces as Dense Dipole Lattices: The Electrostatic Origin of Polar Hydrophobicity. 2016 , 138, 4018-28		30
209	Platinum complexes bearing normal and mesoionic N-heterocyclic carbene based pincer ligands: syntheses, structures, and photo-functional attributes. 2016 , 45, 5848-59		31
208	Detection of weak hydrogen bonding to fluoro and nitro groups in solution using H/D exchange. 2016 , 14, 2223-7		16
207	Supramolecular architectures sustained by arene-C-H...F (quasi-chelate ring) interactions in the crystal structures of copper(I) complexes. 2016 , 231, 55-64		4
206	The evaluation of the role of C-H...F hydrogen bonds in crystal altering the packing modes in the presence of strong hydrogen bond. 2016 , 1106, 154-169		17
205	Inter- and intramolecular C-H...C=O interactions on aliphatic and cyclohexane carbonyl derivatives. 2016 , 37, 25-33		11
204	Supramolecular assembly based on [emerging] intermolecular interactions of particular interest to coordination chemists. <i>Coordination Chemistry Reviews</i> , 2017 , 345, 209-228	23.2	147

203	Trifluoromethyl: An Amphiphilic Noncovalent Bonding Partner. 2017 , 18, 772-784		39
202	Combined Molecular Dynamics, Atoms in Molecules, and IR Studies of the Bulk Monofluoroethanol and Bulk Ethanol To Understand the Role of Organic Fluorine in the Hydrogen Bond Network. 2017 , 121, 1250-1260		19
201	Light on Unsaturated Hydrocarbons That Heterofunctionalize Them All 2017 , 2017, 2008-2055		34
200	N-Difluoromethyl-triazole as a constrained scaffold in peptidomimetics. <i>Chemical Communications</i> , 2017 , 53, 5024-5027	5.8	7
199	The role of halogen interactions in the crystal structure of biscyclopentadienyl dihalides. 2017 , 19, 2802-2812		8
198	Structure and Spectroscopy of Alkene-Cleaving Dioxygenases Containing an Atypically Coordinated Non-Heme Iron Center. 2017 , 56, 2836-2852		20
197	Stacked Dimers of Fluorophenylacetylenes: Role of Dipole Moment. 2017 , 121, 3383-3391		13
196	Influence of Alcohol Fluorination on Hydrogen-Bond Acidity of Conformationally Flexible Substrates. <i>Chemistry - A European Journal</i> , 2017 , 23, 2811-2819	4.8	24
195	Design and supramolecular structure of crystal associates of polyfluoroarylenediamines and 18-crown-6 (2:1). 2017 , 1133, 122-134		5
194	The hydrogen bond between N-H or O-H and organic fluorine: favourable yes, competitive no. 2017 , 73, 474-488		40
193	The F-H Hydrogen Bonding Effect on the Dynamic Mechanical and Shape-Memory Properties of a Fluorine-Containing Polybenzoxazine. 2017 , 218, 1700079		6
192	CFH, a Hydrogen Bond Donor. 2017 , 139, 9325-9332		214
191	On the competition between weak O-H...F and C-H...F hydrogen bonds, in cooperation with C-H...O contacts, in the difluoromethane -n-butyl alcohol cluster. 2017 , 337, 90-95		20
190	In vivo transport of three radioactive [F]-fluorinated deoxysucrose analogs by the maize sucrose transporter ZmSUT1. 2017 , 115, 1-11		13
189	Coordination Polymers with Intramolecular Fluorine-Involved Contacts in Two-Dimensional Sheet Windows. <i>Crystal Growth and Design</i> , 2017 , 17, 834-845	3.5	18
188	The role of non-covalent interactions in some 2-trifluoromethylchromones in the solid state. 2017 , 41, 14659-14674		11
187	Quantitative characterization of new supramolecular synthons involving fluorine atoms in the crystal structures of di- and tetrafluorinated benzamides. 2017 , 73, 805-819		3
186	Not all third-row elements experience the fluorine gauche effect: fluorinated organophosphorus compounds. 2017 , 41, 11672-11678		5

185	Can C H?F C hydrogen bonds alter crystal packing features in the presence of N H?O C hydrogen bond?. 2017 , 1150, 469-480		3
184	Theoretical study on the cage-like nanostructures formed by amino acids and their potential applications as drug carriers. 2017 , 115, 3051-3066		
183	Proof of ion-pair structures in ammonium-based protic ionic liquids using combined NMR and DFT/PCM-based chemical shift calculations. 2017 , 19, 25033-25043		10
182	Defluorination and covalent grafting of fluorinated graphene with TEMPO in a radical mechanism. 2017 , 19, 24076-24081		22
181	Migrating hydrogen in 2,4,6-triaminopyrimidinium(1+) x hydrogen trioxofluorophosphate(III)x monohydrate/2,4,6-triaminopyrimidinium(2+)1x trioxofluorophosphate(2)1x monohydrate (0.0 2017 , 73, 1114-1124		0
180	Fluoro-Carba-Sugars are Glycomimetic Activators of the glmS Ribozyme. <i>Chemistry - A European Journal</i> , 2017 , 23, 12604-12612	4.8	7
179	An Appreciation of Organic Solid-State Chemistry and Challenges in the Field of Molecules, Materials, Medicines 2017 , 57, 117-123		3
178	Biological and structural studies of phosphonium 'masked thiolate' compounds. 2017 , 125, 528-537		5
177	Small Molecule Crystallography in the Laboratory of Organic Chemistry at ETH Zürich. 2017 , 57, 39-54		1
176	Intramolecular Hydrogen Bonding Involving Organic Fluorine: NMR Investigations Corroborated by DFT-Based Theoretical Calculations. <i>Molecules</i> , 2017 , 22,	4.8	27
175	A Study of Intramolecular Hydrogen Bonding in Levoglucosan Derivatives. <i>Molecules</i> , 2017 , 22,	4.8	12
174	High Solid Fluorescence of a Pyrazoline Derivative through Hydrogen Bonding. <i>Molecules</i> , 2017 , 22,	4.8	8
173	Progress in the Understanding of Traditional and Nontraditional Molecular Interactions. 2017 , 67-100		3
172	Conformational impact of structural modifications in 2-fluorocyclohexanone. 2017 , 13, 1781-1787		4
171	Design of Molecular Crystals: Supramolecular Synthons. 2017 , 3-24		1
170	Intramolecular Hydrogen Bonding Appetency for Conformational Pendants in Oxalohydrazide Fluoro Derivatives: NMR, MD, QTAIM, and NCI Studies. 2018 , 122, 2703-2713		6
169	The Strength of Hydrogen Bonds between Fluoro-Organics and Alcohols, a Theoretical Study. 2018 , 122, 4521-4529		8
168	Conformational control enabled by the fluorine gauche effect in a model of the β -AR agonist salbutamol (Ventolin) 2018 , 210, 1-5		6

167	Internally Reuse Waste: Catalytic Asymmetric One-Pot Strecker Reaction of Fluoroalkyl Ketones, Anilines and TMSCN by Sequential Catalysis. 2018 , 36, 321-328		34
166	Twinning in 5-fluorosalicylic acid: description of a new polymorph. 2018 , 74, 1-6		1
165	Structural and computational understanding of weak interactions in Bridge-flipped isomeric tetrafluoro-bis-benzylideneanilines. 2018 , 20, 716-727		4
164	7-Phenoxy-Substituted 3,4-Dihydro-2H-1,2,4-benzothiadiazine 1,1-Dioxides as Positive Allosteric Modulators of α -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA) Receptors with Nanomolar Potency. 2018 , 61, 251-264		21
163	Adsorbate-Induced Modification of the Confining Barriers in a Quantum Box Array. 2018 , 12, 768-778		2
162	Controlled self-assembly of π -stacked/H-bonded 1D crystal structures from polyfluorinated arylamines and 18-crown-6 (2 : 1). Associate vs. co-former fluorescence properties. 2018 , 20, 807-817		11
161	Revealing Factors Influencing the Fluorine-Centered Non-Covalent Interactions in Some Fluorine-Substituted Molecular Complexes: Insights from First-Principles Studies. 2018 , 19, 1486-1499		16
160	Fluorination increases the electron mobility of zinc azadipyrromethene-based electron acceptors and enhances the performance of fullerene-free organic solar cells. 2018 , 6, 3990-3998		10
159	Intramolecular hydrogen bond directed stable conformations of benzoyl phenyl oxalamides: unambiguous evidence from extensive NMR studies and DFT-based computations.. <i>RSC Advances</i> , 2018 , 8, 11230-11240	3.7	8
158	Halocarbons as hydrogen bond acceptors: a spectroscopic study of haloethylbenzenes (PhCH ₂ CHX, X = F, Cl, Br) and their hydrate clusters. 2018 , 20, 8218-8227		7
157	Design, synthesis, monoamine oxidase inhibition and docking studies of new dithiocarbamate derivatives bearing benzylamine moiety. 2018 , 76, 177-187		15
156	F or O, Which One Is the Better Hydrogen Bond (Is It?) Acceptor in C ₆ H ₅ NO ₂ (X = F/O?) Interactions?. <i>Crystal Growth and Design</i> , 2018 , 18, 1-6	3.5	16
155	Design, synthesis and biological assessment of new thiazolyldiazine derivatives as selective and reversible hMAO-A inhibitors. 2018 , 144, 68-81		34
154	Intramolecular HB Interactions Evidenced in Dibenzoyl Oxalamide Derivatives: NMR, QTAIM, and NCI Studies. 2018 , 122, 199-208		8
153	Fluor in einer C-F-Bindung als Schlüssel für die Käfigbildung. 2018 , 130, 2806-2815		8
152	Fluorine in a C-F Bond as the Key to Cage Formation. 2018 , 57, 2758-2766		17
151	Rotational spectra and theoretical study of tetramers and trimers of 2-fluoroethanol: dramatic intermolecular compensation for intramolecular instability. 2018 , 20, 27630-27637		28
150	Understanding the effects of vicinal carbon substituents and configuration on organofluorine hydrogen-bonding interaction.. <i>RSC Advances</i> , 2018 , 8, 38980-38986	3.7	2

149	Reducing Concentration Polarization and Enhancing the Performance of Flexible Nickel-Zinc Battery Using Polytetrafluoroethylene as Electrode Additive. 2018 , 3, 11890-11894		5
148	Halogen and Hydrogen Bonding Interplay in the Crystal Packing of Halometallocenes. <i>Molecules</i> , 2018 , 23,	4.8	14
147	Fluorinated Prolines as Conformational Tools and Reporters for Peptide and Protein Chemistry. 2018 , 57, 6132-6143		32
146	Competitor analysis of functional group H-bond donor and acceptor properties using the Cambridge Structural Database. 2018 , 20, 25324-25334		6
145	A Highly Stretchy, Transparent Elastomer with the Capability to Automatically Self-Heal Underwater. 2018 , 30, e1804602		109
144	Microstructural properties and dielectric relaxations of partially fluorinated copolymers. 2018 , 157, 50-58		0
143	Crystal structure of ,'-bis-(2,4-di-fluoro-benzo-yloxy)benzene-1,2:4,5-tetra-carboximide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018 , 74, 225-228	0.7	
142	Noncovalent Interactions of Fluorine with Amide and CH Groups in N-Phenyl Lactams: Covalently Identical Fluorine Atoms in Nonequivalent Chemical Environments. <i>Journal of Organic Chemistry</i> , 2018 , 83, 11586-11594	4.2	6
141	Catalytic enantioselective synthesis of cyclopropanes featuring vicinal all-carbon quaternary stereocenters with a CH ₂ F group; study of the influence of C ^δ -H ^δ interactions on reactivity. 2018 , 5, 2960-2968		25
140	Understanding the role of ethylene glycol in a remarkable catalyst-free Strecker reaction of a-CF ₃ ketimine: A theoretical study. 2018 , 1142, 57-65		
139	Measurement and correlation of isobaric binary vapor-liquid equilibria for water and 2-propanol each with 1-butyl-1-methylpyrrolidinium chloride and 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate. 2018 , 264, 534-542		3
138	Effect of Noncanonical Amino Acids on Protein-Carbohydrate Interactions: Structure, Dynamics, and Carbohydrate Affinity of a Lectin Engineered with Fluorinated Tryptophan Analogs. 2018 , 13, 2211-2219		9
137	Crystallographic searches for weak interactions - the limitations of data mining. 2018 , 74, 322-324		3
136	Subtle Fluorination of Conjugated Molecules Enables Stable Nanoscale Assemblies on Metal Surfaces. 2018 , 122, 18902-18911		9
135	Exploring Atypical Fluorine-Hydrogen Bonds and Their Effects on Nucleoside Conformations. <i>Chemistry - A European Journal</i> , 2018 , 24, 16432-16439	4.8	10
134	Structural, spectroscopic and theoretical studies of 6-hydroxyquinolinium bromide monohydrate. 2018 , 99, 44-49		4
133	Benzylic Functionalisation of Phenyl all-cis-2,3,5,6-Tetrafluorocyclohexane Provides Access to New Organofluorine Building Blocks. <i>Chemistry - A European Journal</i> , 2018 , 24, 13290-13296	4.8	7
132	The effect of a binder on porosity of the nanoporous RP-20 carbon. A combined study by small angle X-ray and neutron scattering. 2019 , 275, 139-146		6

131	Can 2-X-Ethanols Form Intramolecular Hydrogen Bonds?. 2019 , 123, 7651-7660		8
130	Self-Healable Materials for Underwater Applications. 2019 , 4, 1900081		21
129	Intramolecular H-Bond Is Formed in 2-Fluorophenol and 2-Fluorothiophenol, but It May Not Be the Main Pathway of the Coupling Constant Transmission. 2019 , 123, 10072-10078		5
128	Novel Benzohydroxamate-Based Potent and Selective Histone Deacetylase 6 (HDAC6) Inhibitors Bearing a Pentaheterocyclic Scaffold: Design, Synthesis, and Biological Evaluation. 2019 , 62, 10711-10739		21
127	The Fluorine gauche Effect and a Comparison with Other Halogens in 2-Haloethanols and 2-Haloethanes. 2019 , 2019, 6401-6406		8
126	Building Blocks for High-Efficiency Organic Photovoltaics: Interplay of Molecular, Crystal, and Electronic Properties in Post-Fullerene ITIC Ensembles. 2019 , 20, 2608-2626		29
125	Quantification of noncovalent interactions [promises and problems. 2019 , 43, 15498-15512		16
124	A 2-D Dimer model system to investigate structure-charge transfer relationships in rubrene. 2019 , 7, 2029-2036		4
123	In Vitro Endothelialization of Surface-Integrated Nanofiber Networks for Stretchable Blood Interfaces. 2019 , 11, 5740-5751		8
122	Combined experimental and theoretical study of long-range H-F interactions in fluoro amides. <i>Chemical Communications</i> , 2019 , 55, 2253-2256	5.8	3
121	Is the Fluorine in Molecules Dispersive? Is Molecular Electrostatic Potential a Valid Property to Explore Fluorine-Centered Non-Covalent Interactions?. <i>Molecules</i> , 2019 , 24,	4.8	45
120	Structures and Relative Glycosidic Bond Stabilities of Protonated 2'-Fluoro-Substituted Purine Nucleosides. 2019 , 30, 1521-1536		4
119	Halogens in Protein-Ligand Binding Mechanism: A Structural Perspective. 2019 , 62, 9341-9356		62
118	Role of H-Optimization in the Computed Intermolecular Interactions and Charge-Transfer Integrals in Diketopyrrolopyrroles. 2019 , 123, 3185-3193		1
117	Progressive Hydrophobicity of Fluorobenzenes. 2019 , 123, 10083-10088		2
116	Retention of strong intramolecular hydrogen bonds in high polarity solvents in binaphthalene-benzamide derivatives: extensive NMR studies.. <i>RSC Advances</i> , 2019 , 9, 32759-32770	3.7	5
115	Influence of 2'-fluoro modification on glycosidic bond stabilities and gas-phase ion structures of protonated pyrimidine nucleosides. 2019 , 219, 10-22		10
114	Exploring the Biological Activity of a Library of 1,2,5-Oxadiazole Derivatives Endowed With Antiproliferative Activity. 2019 , 39, 135-144		1

113	Acetyl Coenzyme A Analogues as Rationally Designed Inhibitors of Citrate Synthase. 2019 , 20, 1174-1182		3
112	Tautomerism and conformational analysis in 3-fluoropiperidin-2-one inform on F ^{δ-} HO intramolecular hydrogen bond. 2019 , 217, 8-12		3
111	Fluorination patterns in small alkyl groups: their impact on properties relevant to drug discovery. 2019 , 91-139		8
110	Influence of fluorination on alcohol hydrogen-bond donating properties. 2019 , 301-324		2
109	Peer Review of Mendeleev's 1869 Breakthrough Paper: "Suggest Eliminating the Table" 2019 , 102, e1800177		1
108	Hydration of Fluorobenzenes: A Molecular Dynamics Simulation Investigation. 2020 , 100, 221-230		1
107	Orally bioavailable amine-linked macrocyclic inhibitors of factor XIa. 2020 , 30, 126949		3
106	Tuning of electron tunneling: a case study using BODIPY molecular layers. 2020 , 22, 2098-2104		3
105	Fast-Response, Highly Air-Stable, and Water-Resistant Organic Photodetectors Based on a Single-Crystal Pt Complex. 2020 , 32, e1904634		41
104	Axial Chirality around N-P Bonds Induced by Complexation between E(CF) (E = B, Al) and an -Phosphine Oxide-Substituted Imidazolynylidene: A Key Intermediate in the Catalytic Phosphinoylation of CO. <i>Journal of Organic Chemistry</i> , 2020 , 85, 14333-14341	4.2	4
103	Fast smoothing on diamond surface by inductively coupled plasma reactive ion etching. 2020 , 35, 462-472		1
102	Rheological and Ionic Transport Properties of Nanocomposite Electrolytes Based on Protic Ionic Liquids and Silica Nanoparticles. 2020 , 36, 148-158		6
101	Design, Synthesis, In Vitro and In Silico Studies of New Thiazolylhydrazine-Piperazine Derivatives as Selective MAO-A Inhibitors. <i>Molecules</i> , 2020 , 25,	4.8	3
100	Evaluation of fluorine-mediated intermolecular interactions in tetrafluorinated tetrahydroisoquinoline derivatives: synthesis and computational studies. 2020 , 76, 604-617		1
99	5-Fluorocytosine/Isocytosine Monohydrate. The First Example of Isomorphic and Isostructural Co-Crystal of Pyrimidine Nucleobases. 2020 , 10, 999		4
98	Transparent, water-stable, cellulose nanofiber-based packaging film with a low oxygen permeability. 2020 , 249, 116823		19
97	Synthesis and Antitrypanosomal Activity of 1,4-Disubstituted Triazole Compounds Based on a 2-Nitroimidazole Scaffold: a Structure-Activity Relationship Study. 2020 , 15, 2019-2028		1
96	Design, Synthesis, and Biological Activity Evaluation of New Donepezil-Like Compounds Bearing Thiazole Ring for the Treatment of Alzheimer's Disease. 2020 , 10, 637		4

95	Inverse liquid-solid chromatography to evaluate drug interactions with organosilane-modified polydimethylsiloxane for use in body-on-a-chip systems. 2020 , 36, e3048		0
94	Design, Synthesis, and Structure-Activity Relationships of Thiazole Analogs as Anticholinesterase Agents for Alzheimer's Disease. <i>Molecules</i> , 2020 , 25,	4.8	5
93	Effect of carbon hybridization in C-F bond as an electron donor in triel bonds. 2020 , 153, 074304		4
92	De Novo Nucleic Acids: A Review of Synthetic Alternatives to DNA and RNA That Could Act as Bio-Information Storage Molecules. 2020 , 10,		5
91	Transformation of Biomass DNA into Biodegradable Materials from Gels to Plastics for Reducing Petrochemical Consumption. 2020 , 142, 10114-10124		34
90	Fluorinated Aminopyridines: Synthesis, Structure, and Rare Liquid-Liquid Cocrystal Formation Driven by Unusually Short N-H...F Hydrogen Bonding. <i>Crystal Growth and Design</i> , 2020 , 20, 5484-5492	3.5	2
89	Fluorinated carbohydrates as chemical probes for molecular recognition studies. Current status and perspectives. 2020 , 49, 3863-3888		36
88	The remarkable propensity for the formation of C-H...N(chelate ring) interactions in the crystals of the first-row transition metal dithiocarbamates and the supramolecular architectures they sustain. 2020 , 22, 7308-7333		13
87	Synthesis, enzyme activity and molecular docking studies of new benzylamine-sulfonamide derivatives as selective MAO-B inhibitors. 2020 , 35, 1422-1432		6
86	Strengthening of halogen bond in XCl...H...H through cooperativity with a strong hydrogen bond and proton transfer. 2020 , 100, 107673		2
85	Nature of fluorine interactions in wheel and axle topology based hexa-coordinated Sn(IV)-porphyrins: an experimental and theoretical analysis. 2020 , 22, 5049-5059		0
84	Bioconformational modulation of a thymidine kinase enzyme ligand through F...HO intramolecular hydrogen bond. 2020 , 97, 107545		
83	Fluoro Group Pivoting Dual Hydrogen Bonding Intramolecular Bridge for 1,2-Bis(2-fluorophenyl)acenaphthenediol Molecule in Solution: NMR Spectrometrical Confirmation of Simultaneous Participation of F(sp ²) Group to Through-space-couplings with Aromatic and Hydroxy Hydrogen Atoms. 2020 , 49, 295-298		2
82	Identifying intermolecular atom-atom interactions that are not just bonding but also competitive. 2020 , 22, 7145-7151		3
81	Approximating the Strength of the Intramolecular Hydrogen Bond in 2-Fluorophenol and Related Compounds: A New Application of a Classic Technique. 2020 , 124, 3851-3858		2
80	Theoretical, Solid-State, and Solution Quantification of the Hydrogen Bond-Enhanced Halogen Bond. 2021 , 60, 3685-3692		8
79	Experimental and computational evidence for a stabilising C...I(lone-pair)...N(chelate-ring) interaction. 2021 , 23, 119-130		2
78	Tris(pentafluoroethyl)difluorophosphorane: A Versatile Fluoride Acceptor for Transition Metal Chemistry. <i>Chemistry - A European Journal</i> , 2021 , 27, 3504-3516	4.8	4

77	Theoretical, Solid-State, and Solution Quantification of the Hydrogen Bond-Enhanced Halogen Bond. 2021 , 133, 3729-3736		3
76	Supramolecular architectures sustained by delocalised Cπ(arene) interactions in molecular crystals and the propensity of their formation. 2021 , 23, 904-928		4
75	Design, synthesis and biological assessment of new selective COX-2 inhibitors including methyl sulfonyl moiety. 2021 , 209, 112918		10
74	Zero-, one-, two- and three-dimensional supramolecular architectures sustained by SeO chalcogen bonding: A crystallographic survey. <i>Coordination Chemistry Reviews</i> , 2021 , 427, 213586	23.2	9
73	Unraveling the effect of fluorine substitution on the hydrogen bonding interaction in the complexes of fluorosubstituted pyridines and acetic acid. 2021 , 34, e4151		0
72	On the supramolecular outcomes of fluorination of cyclohexane-5-spirohydantoin derivatives. 2021 , 23, 2606-2622		3
71	F NMR viewed through two different lenses: ligand-observed and protein-observed F NMR applications for fragment-based drug discovery. 2021 , 2, 1312-1330		5
70	Supramolecular packing of alkyl substituted Janus face all- 2,3,4,5,6-pentafluorocyclohexyl motifs. 2021 , 12, 9712-9719		2
69	Competing HB acceptors: an extensive NMR investigations corroborated by single crystal XRD and DFT calculations.. <i>RSC Advances</i> , 2021 , 11, 15195-15202	3.7	0
68	Spiro Benzodiazepine Substituted Fluorocoumarins as Potent Anti-Anxiety Agents. 2021 , 47, 390-398		3
67	Characterising Supramolecular Architectures in Crystals Featuring I?Br Halogen Bonding: Persistence of X?X Secondary-Bonding in Their Congeners. 2021 , 11, 433		1
66	Antitumor Activity of Novel Signal Transducer and Activator of Transcription 3 Inhibitors on Retinoblastoma. 2021 , 100, 63-72		0
65	Hydrogen Bond Acceptor Propensity of Different Fluorine Atom Types: An Analysis of Experimentally and Computationally Derived Parameters. <i>Chemistry - A European Journal</i> , 2021 , 27, 8764-8773	4.8	6
64	Conductance-stable liquid metal sheath-core microfibers for stretchy smart fabrics and self-powered sensing. 2021 , 7,		40
63	The many faces of fluorine: Some noncovalent interactions of fluorine compounds. 2021 , 156, 106382		6
62	How can fluorine directly and indirectly affect the hydrogen bonding in molecular systems? - A case study for monofluoroanilines. 2021 , 252, 119536		2
61	Evolution of Cocrystals from Solid Solutions in Benzoic Acid Mono/poly-fluorobenzoic Acid Combinations. <i>Crystal Growth and Design</i> , 2021 , 21, 4607-4618	3.5	3
60	Effects of Replacing Oxygenated Functionality with Fluorine on Lipophilicity. 2021 , 64, 10246-10259		5

59	Influence of Fluorine Substitution on Nonbonding Interactions in Selected Para-Halogeno Anilines. 2021 , 22, 2115-2127		2
58	Creating superhydrophobic, abrasion-resistant and breathable coatings from water-borne polydimethylsiloxane-polyurethane Co-polymer and fumed silica. 2021 , 596, 479-492		3
57	Evidence of C-F...H-C Attractive Interaction: Enforced Coplanarity of a Tetrafluorophenylene-Ethynylene-Linked Porphyrin Dimer. 2021 , 125, 9286-9295		0
56	Deciphering the Flupyrimin Binding Surface on the Insect Nicotinic Acetylcholine Receptor. 2021 , 69, 9551-9556		1
55	Synthesis of new hydrazone derivatives and evaluation of their monoamine oxidase inhibitory activity. 2021 , 114, 105038		8
54	Supramolecular aggregation patterns featuring Se...N secondary-bonding interactions in mono-nuclear selenium compounds: A comparison with their congeners. <i>Coordination Chemistry Reviews</i> , 2021 , 443, 214031	23.2	7
53	Sulfonic-acid-functionalized polymers based on fluorinated methylstyrenes and styrene as promising heterogeneous catalysts for esterification. 2021 , 273, 125132		1
52	Co-crystals of polyhalogenated diaminobenzonitriles with 18-crown-6: effect of fluorine on the stoichiometry and supramolecular structure. 2021 , 23, 4767-4781		0
51	Molecular Complexes: Perturbations of Vibrational Spectra.		2
50	Direct and Indirect Roles of Metal Centres in Hydrogen Bonding. 1999 , 197-210		2
49	The Cambridge Structural Database (CSD). 2019 ,		2
48	2,4-Bis(3-fluoro-phen-yl)-3-aza-bicyclo-[3.3.1]nonan-9-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o1708-9		5
47	Modifications of the 7-Hydroxyl Group of the Transthyretin Ligand Luteolin Provide Mechanistic Insights into Its Binding Properties and High Plasma Specificity. <i>PLoS ONE</i> , 2016 , 11, e0153112	3-7	11
46	Fabrication of an Electrostatic Actuated Dielectric Mirror With Free-Standing Layers of Polymer. <i>IEEE Transactions on Electron Devices</i> , 2021 , 1-9	2.9	
45	Role of Fluorination in the Histone Deacetylase 6 (HDAC6) Selectivity of Benzohydroxamate-Based Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2021 , 12, 1810-1817	4-3	3
44	Hydrogen Bonding in Organofluorine Compounds. 173-185		0
43	CHAPTER 6:AMPA Receptor Positive Allosteric Modulators [b] Case History. <i>RSC Drug Discovery Series</i> , 2014 , 105-134	0.6	
42	Diversity and Certainty [Database Research in Crystal Engineering. 1999 , 229-241		

41	The Development and Application of Knowledge-Based Approaches to Molecular Design. 1999 , 243-260		
40	The Role of Charge Assisted C-H \cdots O and C-H \cdots F Hydrogen Bonds in Organometallic Crystals. 1999 , 173-191		
39	Supramolecular Organization in Organometallic Crystals. 1999 , 211-222		
38	Crystal structure of aqua-bis-(hepta-fluoro-butano-ato- κ)(1,10'-phenanthroline- κ^2 N,N')copper(II). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016 , 72, 4-7	0.7	
37	Controlling formation of metal ion adducts and enhancing sensitivity in Liquid Chromatography Mass Spectrometry. <i>Journal of Applied and Natural Science</i> , 2020 , 12, 180-192	0.6	
36	The stereoelectronic basis of collagen stability. 2002 , 344-346		
35	Effect of fluoro-substituted proline residues on the conformational stability of triple-helical collagen mimics. 2002 , 355-356		
34	Intermolecular Interactions of Organic Fluorine Seen in Perspective. <i>Crystal Growth and Design</i> ,	3.5	3
33	Structural and Computational Analysis of Organic Fluorine-Mediated Interactions in Controlling the Crystal Packing of Tetrafluorinated Secondary Amides in the Presence of Weak C-H \cdots O \cdots C Hydrogen Bonds. <i>Crystal Growth and Design</i> ,	3.5	0
32	Halogen bonding organocatalysis enhanced through intramolecular hydrogen bonds.. <i>Chemical Communications</i> , 2022 ,	5.8	3
31	Solvent Dependency in Stereoselective β -Lactam Formation of Chiral α -Fluoromalonate Derivatives: Stereodivergent Synthesis of Heterocycles with Fluorine Containing Stereocenters Adjacent to Tertiary Stereocenters. <i>Advanced Synthesis and Catalysis</i> ,	5.6	
30	Studies on the Origin of the Stabilizing Effects of Fluorinated Alcohols and Weakly Coordinated Fluorine-Containing Anions on Cationic Reaction Intermediates.. <i>Journal of Organic Chemistry</i> , 2022 ,	4.2	3
29	Synthesis, solid state self-assembly driven by antiparallel π -stacking and {H-C-C-F} dimer synthons, and acetyl cholinesterase inhibition activity of phenoxy pendant isatins.. <i>RSC Advances</i> , 2022 , 12, 1788-1796	3.7	3
28	Te \cdots N secondary-bonding interactions in tellurium crystals: Supramolecular aggregation patterns and a comparison with their lighter congeners. <i>Coordination Chemistry Reviews</i> , 2022 , 457, 214397	23.2	3
27	Discovery of Novel Acetylcholinesterase Inhibitors by Virtual Screening, In Vitro Screening, and Molecular Dynamics Simulations.. <i>Journal of Chemical Information and Modeling</i> , 2022 ,	6.1	0
26	Hydrogen Bonds with Fluorine in Ligand-Protein Complexes-the PDB Analysis and Energy Calculations.. <i>Molecules</i> , 2022 , 27,	4.8	3
25	Charge Photogeneration and Recombination in Fluorine-Substituted Polymer Solar Cells.. <i>Frontiers in Chemistry</i> , 2022 , 10, 846898	5	
24	Tough, stable and self-healing luminescent perovskite-polymer matrix applicable to all harsh aquatic environments.. <i>Nature Communications</i> , 2022 , 13, 1338	17.4	7

23	β-Cyclodextrin Supramolecular Recognition of bis-Cationic Dithienylethenes. <i>Organics</i> , 2022 , 3, 77-86	9	
22	Bottom-up self-assembly of nanofibers in the surfactant mixture of CTAB and Pluronic. <i>AIP Advances</i> , 2021 , 11, 125031	1.5	0
21	Intramolecular N-H...F Hydrogen Bonding Interaction in a Series of 4-Anilino-5-Fluoroquinazolines: Experimental and Theoretical Characterization of Electronic and Conformational Effects. <i>Chemistry - A European Journal</i> , 2021 ,	4.8	0
20	Oxidizability Enhancement of Hydroxyl Terminated Polyether Polyurethane Elastomers via Fluoroalcohols Grafting. <i>Propellants, Explosives, Pyrotechnics</i> ,	1.7	
19	Iodine Gauche Effect Induced by an Intramolecular Hydrogen Bond.		0
18	¹ H and ¹⁹ F NMR chemical shifts for hydrogen bond strength determination: Correlations between experimental and computed values. 2022 , 12-13, 100070		1
17	Pushing the limits of the hydrogen bond enhanced halogen bond—the case of the C≡N hydrogen bond. 2022 , 13, 11156-11162		0
16	Fluorinated metal-organic frameworks for gas separation. 2022 , 51, 7427-7508		5
15	Structural systematics in isomorphous binary co-crystal solvates comprising 2,2'-dithiodibenzoic acid, 4-halobenzoic acid and dimethylformamide (1 : 1 : 1), for halide = chloride, bromide and iodide. 2022 , 24, 5907-5921		0
14	I...N halogen bonding in 1 : 1 co-crystals formed between 1,4-diodotetrafluorobenzene and the isomeric n-pyridinealdazines (n = 2, 3 and 4): assessment of supramolecular association and influence upon solid-state photoluminescence properties.		1
13	Interactions of Proteins with Small Molecules, Allosteric Effects. 2022 , 315-332		0
12	Fluorine-Containing Covalent Organic Frameworks: Synthesis and Application. 2200778		0
11	Supramolecular architectures featuring Se...N secondary-bonding interactions in crystals of selenium-rich molecules: a comparison with their congeners. 2022 , 25, 9-39		0
10	Synergistic effect of intra- and intermolecular hydrogen bond in 2-haloethanols probed by infrared. 2023 , 288, 122205		0
9	Isostructural Crystals of Bis(Guanidinium) Trioxofluoro-Phosphate/Phosphite in the Ratio 1/0, 0.716/0.284, 0.501/0.499, 0.268/0.732, 0/1 Crystal Structures, Vibrational Spectra and Second Harmonic Generation. 2022 , 12, 1694		1
8	Does perdeuteration increase the polarity of Janus face cycloalkanes?.		0
7	IR and NMR Spectral Diagnostics of Hydrogen Bond Energy and Geometry. 2023 , 345-407		0
6	S...O Hydrogen Bond Can Win over O...S Hydrogen Bond: Gas-Phase Spectroscopy of 2-Fluorothiophenol...H ₂ O Complex. 2022 , 126, 9178-9189		0

- 5 Design, Synthesis, and In Vitro and In Silico Approaches of Novel Indanone Derivatives as Multifunctional Anti-Alzheimer Agents. **2022**, 7, 47378-47404 1
- 4 Investigation of C δ -F δ Interactions Using Experimental and Theoretical Charge Density Analyses. 0
- 3 Supramolecular Association via Hg δ -S Secondary-Bonding Interactions in Crystals of Organomercury(II) Species: A Survey of the Cambridge Structure Database. **2023**, 13, 385 0
- 2 Synthesis and Structural Studies of Complexes of Bis(pentafluorophenyl)mercury with Di(phosphane oxide) Ligands. **2023**, 13, 530 0
- 1 Bioorthogonal 4H-pyrazole Click Reagents. **2023**, 59, 4451-4454 0