

The Halogen Bond

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Citation Report

#	ARTICLE	IF	CITATIONS
5	Crystal Structure and Hirshfeld Surface Analysis of 1,2-Bis((2-(Bromomethyl)Phenyl)Thio)Ethane and Two Polymorphs of 1,2-Bis((2-((Pyridin-2-ylthio)Methyl)Phenyl)Thio)Ethane. <i>Modern Chemistry & Applications</i> , 2015, 03, .	0.2	2
6	Crystal structure of 7-iodo-4-oxo-4H-chromene-3-carbaldehyde. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1724-1727.	0.2	0
7	Chiral Alkyl Halides: Underexplored Motifs in Medicine. <i>Marine Drugs</i> , 2016, 14, 206.	2.2	69
8	Isomorphous Crystals from Diynes and Bromodiyne Involved in Hydrogen and Halogen Bonds. <i>Crystals</i> , 2016, 6, 37.	1.0	5
9	New approaches to organocatalysis based on C-H and C-X bonding for electrophilic substrate activation. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2834-2848.	1.3	53
10	C ₂ H ₅ OH...HX (X=OH, SH, F) interactions: Is there a carbon bond?. <i>Journal of Chemical Sciences</i> , 2016, 128, 1191-1198.	0.7	1
11	B ₄ H ₄ and B ₄ (CH ₃) ₄ as Unique Electron Donors in Hydrogen-Bonded and Halogen-Bonded Complexes. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5745-5751.	1.1	18
12	Novel hydrogen- and halogen-bonding anion receptors based on 3-iodopyridinium units. <i>RSC Advances</i> , 2016, 6, 67540-67549.	1.7	29
13	Anion recognition by a bidentate chalcogen bond donor. <i>Chemical Communications</i> , 2016, 52, 9881-9884.	2.2	139
14	Highlights from the 51st EUCHEM conference on stereochemistry, Bâle, Switzerland, May 2016. <i>Chemical Communications</i> , 2016, 52, 9173-9177.	2.2	0
15	Neutral iodotriazoles as scaffolds for stable halogen-bonded assemblies in solution. <i>Chemical Science</i> , 2016, 7, 6422-6428.	3.7	33
16	Highly Stereocontrolled Ring-Opening Polymerization of Racemic Alkyl Malonates Mediated by Yttrium [Aminoalkoxybis(phenolate)] Complexes. <i>Chemistry - A European Journal</i> , 2016, 22, 7629-7641.	1.7	24
17	Halogen bonded polypseudorotaxanes based on a pillar[5]arene host. <i>CrystEngComm</i> , 2016, 18, 5807-5810.	1.3	21
18	Behavior of Halogen Bonds of the Y...X... Type (X, Y=F, Cl, Br, I) in the Benzene System, Elucidated by Using a Quantum Theory of Atoms in Molecules Dual-Functional Analysis. <i>ChemPhysChem</i> , 2016, 17, 2579-2589.	1.0	12
19	Phase Transitions and Polymerization of C ₆ H ₆ ...C ₆ F ₆ Cocrystal under Extreme Conditions. <i>Journal of Physical Chemistry C</i> , 2016, 120, 29510-29519.	1.5	25
20	Synthesis of dienes with tetrafluorophenylene bridge based on the catalytic olefination reaction. New promising monomers for the design of molecular architectures with halogen-halogen interactions. <i>Russian Chemical Bulletin</i> , 2016, 65, 1541-1549.	0.4	4
21	Vapor Pressure Isotope Effects in Halogenated Organic Compounds and Alcohols Dissolved in Water. <i>Analytical Chemistry</i> , 2016, 88, 12066-12071.	3.2	20
22	A new synthetic route to the electron-deficient ligand tris(3,4,5-tribromopyrazol-1-yl)phosphine oxide. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2016, 72, 846-849.	0.2	2

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23	Solid-State NMR Studies of Halogen Bonding. , 2016, , 1-18.		9
24	Electrochemical activation of a tetrathiafulvalene halogen bond donor in solution. Physical Chemistry Chemical Physics, 2016, 18, 15867-15873.	1.3	37
25	Nucleophilic Iododifluoromethylation of Carbonyl Compounds Using Difluoromethyl 2-Pyridyl Sulfone. Organic Letters, 2016, 18, 2766-2769.	2.4	30
26	Using structural modularity in cocrystals to engineer properties: elasticity. Chemical Communications, 2016, 52, 7676-7679.	2.2	83
27	Anion- π Enzymes. ACS Central Science, 2016, 2, 388-393.	5.3	81
28	One π -Click π -access to self-complementary molecular modules for halogen bonding. RSC Advances, 2016, 6, 36723-36727.	1.7	1
29	Origin of the Catalytic Effects of Molecular Iodine: A Computational Analysis. ACS Catalysis, 2016, 6, 3203-3212.	5.5	108
30	Superior anion induced shuttling behaviour exhibited by a halogen bonding two station rotaxane. Chemical Science, 2016, 7, 5171-5180.	3.7	47
31	Sequential Halogen Bonding with Ditopic Donors: π -Hole Evolutions upon Halogen Bond Formation. Crystal Growth and Design, 2016, 16, 2963-2971.	1.4	23
32	Halogen bonding of <i>N</i> -bromosuccinimide by grinding. CrystEngComm, 2016, 18, 3343-3346.	1.3	26
33	³⁵ Cl Solid-State NMR and Computational Study of Chlorine Halogen Bond Donors in Single-Component Crystalline Chloronitriles. Journal of Physical Chemistry C, 2016, 120, 11121-11130.	1.5	44
34	Chiral Hexahalogenated 4,4'-Bipyridines. Journal of Organic Chemistry, 2016, 81, 4576-4587.	1.7	21
35	Halogen bonding influences perylene-core twists in non-core substituted perylene tetraesters. CrystEngComm, 2016, 18, 4513-4517.	1.3	7
36	Competition between Halogen, Hydrogen and Dihydrogen Bonding in Brominated Carboranes. ChemPhysChem, 2016, 17, 3373-3376.	1.0	40
37	Haloacetylation-Driven Transformation of Sandwich Herringbone to Lamellar/Columnar Packing in Pyrene. Crystal Growth and Design, 2016, 16, 5822-5830.	1.4	13
38	Reactivity of electrophilic chlorine atoms due to π -holes: a mechanistic assessment of the chemical reduction of a trichloromethyl group by sulfur nucleophiles. Physical Chemistry Chemical Physics, 2016, 18, 27300-27307.	1.3	9
39	Supramolecular interactions in the 1:2 co-crystal of 4,4'-bipyridine and 3-chlorothiophene-2-carboxylic acid. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1362-1365.	0.2	2
40	Competition between Halogen Bonds in Cocrystals of Imines Derived from <i>o</i> -Vanillin. Crystal Growth and Design, 2016, 16, 6381-6389.	1.4	43

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41	Tailoring Cocrystal and Salt Formation and Controlling the Crystal Habit of Diflunisal. <i>Crystal Growth and Design</i> , 2016, 16, 6468-6478.	1.4	22
42	I ₂ -Mediated 2H-indazole synthesis via halogen-bond-assisted benzyl C-H functionalization. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9912-9918.	1.5	28
43	Characterization of N ⁻ O non-covalent interactions involving ĩf-holes: electrostatics or dispersion? <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29946-29954.	1.3	14
44	Isotropic rotation in amphidynamic crystals of stacked carbazole-based rotors featuring halogen-bonded stators. <i>Chemical Communications</i> , 2016, 52, 12833-12836.	2.2	14
45	Antibacterial mechanism of biogenic copper nanoparticles synthesized using <i>Heliconia psittacorum</i> leaf extract. <i>Nanotechnology Reviews</i> , 2016, 5, .	2.6	14
46	[N ⁺ ... ⁻ ...I ⁺ ... ⁻ ...N] Halogen-Bonded Dimeric Capsules from Tetrakis(3-pyridyl)ethylene Cavitations. <i>Angewandte Chemie</i> , 2016, 128, 14239-14242.	1.6	23
47	[N ⁺ ... ⁻ ...I ⁺ ... ⁻ ...N] Halogen-Bonded Dimeric Capsules from Tetrakis(3-pyridyl)ethylene Cavitations. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14033-14036.	7.2	100
48	Efficient Light-Induced Phase Transitions in Halogen-Bonded Liquid Crystals. <i>Chemistry of Materials</i> , 2016, 28, 8314-8321.	3.2	46
49	Halogen Bonding with Phosphine: Evidence for Mulliken Inner Complexes and the Importance of Relaxation Energy. <i>Journal of Physical Chemistry A</i> , 2016, 120, 8461-8468.	1.1	30
50	Chalcogens act as inner and outer heteroatoms in borane cages with possible consequences for ĩf-hole interactions. <i>CrystEngComm</i> , 2016, 18, 8982-8987.	1.3	8
51	Stabilization of a Chiral Dirhodium Carbene by Encapsulation and a Discussion of the Stereochemical Implications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10760-10765.	7.2	64
52	Comparative Study of Charge-Assisted Hydrogen- and Halogen-Bonding Capabilities in Solution of Two-Armed Imidazolium Receptors toward Oxoanions. <i>Journal of Organic Chemistry</i> , 2016, 81, 7448-7458.	1.7	32
53	Controllable Orientation of Ester-Group-Induced Intermolecular Halogen Bonding in a 2D Self-Assembly. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3164-3170.	2.1	41
54	Main group metal lone-pair ⁻ (arene) interactions: a new bonding mode for supramolecular associations. <i>CrystEngComm</i> , 2016, 18, 6960-6978.	1.3	30
55	Two-Dimensional Inorganic Cationic Network of Thorium Iodate Chloride with Unique Halogen-Halogen Bonds. <i>Inorganic Chemistry</i> , 2016, 55, 8570-8575.	1.9	8
56	A highly practical and convenient halogenation of fused heterocyclic N-oxides. <i>Tetrahedron</i> , 2016, 72, 5762-5768.	1.0	27
57	Two-Dimensional Networks of [AuCl ₄] ⁻ and [AuBr ₄] ⁻ Anions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 930-936.	0.6	11
58	Selective Nitrate Recognition by a Halogen-Bonding Four-Station [3]Rotaxane Molecular Shuttle. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11069-11076.	7.2	95

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59	<i>N</i> -Alkyl ammonium resorcinarene polyiodides. <i>CrystEngComm</i> , 2016, 18, 5724-5727.	1.3	5
60	Cooperative Halogen Bond, Tetrel Bond and Van Der Waals Interaction Coexisting in the CO ₂ , CO and XY (X=Cl, Br; Y=F, Cl, Br) Trimeric Complexes. <i>ChemistrySelect</i> , 2016, 1, 1741-1750.	0.7	18
61	Iodoalkyne-Based Catalyst-Mediated Activation of Thioamides through Halogen Bonding. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2863-2866.	1.7	62
62	Halogen-Bond-Promoted Double Radical Isocyanide Insertion under Visible-Light Irradiation: Synthesis of 2-Fluoroalkylated Quinoxalines. <i>Organic Letters</i> , 2016, 18, 4638-4641.	2.4	176
63	Competition and cooperativity of π -hole and σ -hole intermolecular interactions between carbon monoxide and bromopentafluorobenzene. <i>New Journal of Chemistry</i> , 2016, 40, 9139-9147.	1.4	16
64	Curved Cyclic Trimers: Orthogonal Cu ^{II} -Cu Interaction versus Tetrameric Halogen Bonding. <i>Crystal Growth and Design</i> , 2016, 16, 4991-4998.	1.4	16
65	Nitroxide Radical Spin Probes for Exploring Halogen-Bonding Interactions in Solution. <i>Chemistry - A European Journal</i> , 2016, 22, 16017-16021.	1.7	14
66	Uncommon halogen bond motifs in cocrystals of aromatic amines and 1,4-diiodotetrafluorobenzene. <i>CrystEngComm</i> , 2016, 18, 7425-7429.	1.3	43
67	Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. <i>Topics in Current Chemistry</i> , 2016, 374, 83.	3.0	52
68	Anion Receptor Chemistry. <i>CheM</i> , 2016, 1, 351-422.	5.8	342
69	Direct photoisomerization of CH ₂ I ₂ vs. CHBr ₃ in the gas phase: a joint 50 fs experimental and multireference resonance-theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28883-28892.	1.3	8
70	Br...Br and van der Waals interactions along a homologous series: crystal packing of 1,2-dibromo-4,5-dialkoxybenzenes. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016, 72, 693-701.	0.5	2
71	Convergent synthesis and cytotoxicity of novel trifluoromethyl-substituted (1H)-1H-pyrazol-5-ylidene-1H-imidazole-4-carboxamide derivatives. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 262-271.	0.9	11
72	Selective Nitrate Recognition by a Halogen-Bonding Four-Station [3]Rotaxane Molecular Shuttle. <i>Angewandte Chemie</i> , 2016, 128, 11235-11242.	1.6	28
73	Halogen Bonding in Organic Synthesis and Organocatalysis. <i>Chemistry - A European Journal</i> , 2016, 22, 14434-14450.	1.7	477
74	Structure Direction, Solvent Effects, and Anion Influences in Halogen-Bonded Adducts of 2,6-Bis(iodoethynyl)pyridine. <i>Crystal Growth and Design</i> , 2016, 16, 5194-5205.	1.4	20
75	Boron as an Electron-Pair Donor for π - π and π -Cl Halogen Bonds. <i>ChemPhysChem</i> , 2016, 17, 3112-3119.	1.0	26
76	Assessment of DFT Functionals for QTAIM Topological Analysis of Halogen Bonds with Benzene. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9071-9080.	1.1	37

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77	Natural Abundance ^{15}N and ^{13}C Solid-State NMR Chemical Shifts: High Sensitivity Probes of the Halogen Bond Geometry. <i>Chemistry - A European Journal</i> , 2016, 22, 16819-16828.	1.7	37
78	Induction of Strong Long-Lived Room-Temperature Phosphorescence of <i>N</i> -Phenyl-2-naphthylamine Molecules by Confinement in a Crystalline Dibromobiphenyl Matrix. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15589-15593.	7.2	265
79	Induction of Strong Long-Lived Room-Temperature Phosphorescence of <i>N</i> -Phenyl-2-naphthylamine Molecules by Confinement in a Crystalline Dibromobiphenyl Matrix. <i>Angewandte Chemie</i> , 2016, 128, 15818-15822.	1.6	71
80	Synthesis and Characterization of Adducts between SF_4 and Oxygen Bases: Examples of O \cdots S(IV) Chalcogen Bonding. <i>Inorganic Chemistry</i> , 2016, 55, 12441-12450.	1.9	14
81	Solid-state nuclear magnetic resonance as a tool for investigating the halogen bond. <i>CrystEngComm</i> , 2016, 18, 9173-9184.	1.3	32
82	The intrinsic strength of the halogen bond: electrostatic and covalent contributions described by coupled cluster theory. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 33031-33046.	1.3	128
83	Studies on the π -hole bonds (halogen, chalcogen, pnictogen and carbon bonds) based on the orientation of crystal structure. <i>Molecular Physics</i> , 2016, 114, 3629-3642.	0.8	20
84	The Highly Regioselective Halogenation of <i>N</i> -(8-quinolinyl)amides on the C5 Position with Cuprous Halides Under Mild Conditions. <i>ChemistrySelect</i> , 2016, 1, 5874-5878.	0.7	23
85	Impact and importance of electrostatic potential calculations for predicting structural patterns of hydrogen and halogen bonding. <i>CrystEngComm</i> , 2016, 18, 8631-8636.	1.3	60
86	Exploring the (Very Flat) Potential Energy Landscape of π -Br \cdots π Interactions with Accurate CCSD(T) and SAPT Techniques. <i>Chemistry - A European Journal</i> , 2016, 22, 17690-17695.	1.7	21
87	Halogen transfer through halogen bonds in halogen-bound ammonia homodimers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30961-30971.	1.3	8
88	Theoretical study on π - and π -hole carbon-carbon bonding interactions: implications in CFC chemistry. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32155-32159.	1.3	22
89	A PGSE NMR approach to the characterization of single and multi-site halogen-bonded adducts in solution. <i>RSC Advances</i> , 2016, 6, 80604-80612.	1.7	12
90	Is there theoretical evidence for mutual influence between halogen and pnictogen-hydride bonds? An ab initio study. <i>Journal of Chemical Sciences</i> , 2016, 128, 1905-1912.	0.7	2
91	Charge-assisted triel bonding interactions in solid state chemistry: A combined computational and crystallographic study. <i>Chemical Physics Letters</i> , 2016, 666, 73-78.	1.2	43
92	Dibromohydantoins as halogen bond (XB) donors: a route toward the introduction of chirality in halogen bonded systems. <i>CrystEngComm</i> , 2016, 18, 9325-9333.	1.3	17
93	Stabilization of a Chiral Dirhodium Carbene by Encapsulation and a Discussion of the Stereochemical Implications. <i>Angewandte Chemie</i> , 2016, 128, 10918-10923.	1.6	28
94	Halogen bonded supramolecular porous structures with a kgm layer. <i>CrystEngComm</i> , 2016, 18, 9227-9230.	1.3	6

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95	Cooperative halogen bonds in V-shaped H ₃ N·X ₁ X ₂ ·X ₃ Y (X ₁ , X ₂ , X ₃ = Cl and Br; Y = F, Cl and) Tj ETog 0 0 0 rgBT /Overlo	1.7	8
96	Piperazine Functionalization of C ₇₀ for Incorporation into Supramolecular Assemblies. Chemistry - A European Journal, 2016, 22, 18908-18915.	1.7	7
97	Epitaxially Intergrown Conformational Polymorphs and a Mixed Water/Methanol Solvate of 5'-Deoxy-5'-iodoguanosine. Crystal Growth and Design, 2016, 16, 6343-6353.	1.4	1
98	Perfluoroalkylation of Alkenes by Frustrated Lewis Pairs. Chemistry - A European Journal, 2016, 22, 17177-17181.	1.7	23
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101	Crystallographic and Theoretical Investigation on the Nature and Characteristics of Type I C ₆ S ₄ C Interactions. Crystal Growth and Design, 2016, 16, 6734-6742.	1.4	22
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103	The reaction of CF ₂ Cl ₂ with gas-phase hydrated electrons. Physical Chemistry Chemical Physics, 2016, 18, 23910-23915.	1.3	9
104	Thieno[3,4 <i>c</i>]phosphole _{4,6} dione: A Versatile Building Block for Phosphorus-Containing Functional π -Conjugated Systems. Chemistry - A European Journal, 2016, 22, 10360-10364.	1.7	16
105	C ⁺ H ⁻ Br ⁻ C vs. C ⁺ Br ⁻ Br ⁻ C vs. C ⁺ Br ⁻ N bonding in molecular self-assembly of pyridine-containing dyes. RSC Advances, 2016, 6, 53669-53678.	1.7	19
106	Halogen bonding anion recognition. Chemical Communications, 2016, 52, 8645-8658.	2.2	241
107	Substituent Effects on the [N ⁺ ...N] ⁺ Halogen Bond. Journal of the American Chemical Society, 2016, 138, 9853-9863.	6.6	89
108	The role of solid-state nuclear magnetic resonance in crystal engineering. CrystEngComm, 2016, 18, 5236-5252.	1.3	32
109	S ⁺ ...I ⁻ , I ⁺ ...I ⁻ , and C ⁺ ...H ⁻ ...I ⁻ Contacts Regulate Solid State Fluorescence in Regioisomeric Bisthiazolylpyrenes. Crystal Growth and Design, 2016, 16, 4567-4573.	1.4	21
110	Asymmetric Anion π Catalysis of Iminium/Nitroaldol Cascades To Form Cyclohexane Rings with Five Stereogenic Centers Directly on I ⁻ -Acidic Surfaces. Journal of the American Chemical Society, 2016, 138, 7876-7879.	6.6	44
111	Influence of I ⁻ -Iodide Intermolecular Interactions on Electronic Properties of Tin(IV) Iodide Semiconducting Complexes. Inorganic Chemistry, 2016, 55, 5935-5945.	1.9	20
112	C ⁺ S ⁻ I halogen bonding interactions in crystalline iodinated dithiole-2-thiones and thiazole-2-thiones. CrystEngComm, 2016, 18, 5474-5481.	1.3	14

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113	Isomeric iodinated analogs of nimesulide: Synthesis, physicochemical characterization, cyclooxygenase-2 inhibitory activity, and transport across Caco-2 cells. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3727-3733.	1.4	9
114	Formation of Benzimidazoisquinolinium and Benzimidazoisindolinium Cyclic Systems by the Reaction of 2-(2-Alkynylphenyl)benzimidazoles with Iodine and Iodine π -Iodine Interaction Including Halogen Bonding in Their Crystal Structures. <i>Journal of Organic Chemistry</i> , 2016, 81, 5322-5329.	1.7	11
115	Unorthodox Interactions at Work. <i>Journal of the American Chemical Society</i> , 2016, 138, 4270-4277.	6.6	123
116	Shaping of calix[4]arenes via double bridging of the upper rim. <i>CrystEngComm</i> , 2016, 18, 4964-4970.	1.3	9
117	Porphyrim-based assemblies directed by non-covalent interactions: highlights of recent investigations. <i>CrystEngComm</i> , 2016, 18, 3318-3339.	1.3	34
118	Bicomponent Supramolecular Architectures at the Vacuum π -Solid Interface. <i>Chemical Reviews</i> , 2017, 117, 1407-1444.	23.0	95
119	Cooperative Binding in a Phosphine Oxide-Based Halogen Bonded Dimer Drives Supramolecular Oligomerization. <i>Journal of Organic Chemistry</i> , 2017, 82, 1986-1995.	1.7	24
120	Halogen and Hydrogen Bonding between (<i>N</i> π -Halogeno) π -succinimides and Pyridine Derivatives in Solution, the Solid State and In Silico. <i>Chemistry - A European Journal</i> , 2017, 23, 5244-5257.	1.7	72
121	Supramolecular assembly based on π - π emerging π -intermolecular interactions of particular interest to coordination chemists. <i>Coordination Chemistry Reviews</i> , 2017, 345, 209-228.	9.5	175
122	Polymorphism of Two-Dimensional Halogen Bonded Supramolecular Networks on a Graphene/Iridium(111) Surface. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2201-2210.	1.5	13
123	The role of non-covalent interactions in the crystal structure of two new nano coordination polymers of Cd(II) and Hg(II) based on N,N π -Bis-pyridin-4-ylmethylene-naphthalene-1,5-diamine ligand. <i>Journal of Molecular Structure</i> , 2017, 1135, 26-31.	1.8	7
124	π - π and π - π halogen bonding in the structures of 1-benzylidoimidazole derivatives. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 2-8.	0.2	9
125	Chalcogen Bonding Macrocycles and [2]Rotaxanes for Anion Recognition. <i>Journal of the American Chemical Society</i> , 2017, 139, 3122-3133.	6.6	187
126	π - π Halogen Bonding Driven Supramolecular Helix of Bilateral <i>N</i> π -Amidothioureas Bearing π -Turns. <i>Journal of the American Chemical Society</i> , 2017, 139, 6605-6610.	6.6	101
127	Strong and Selective Halide Anion Binding by Neutral Halogen π -Bonding [2]Rotaxanes in Wet Organic Solvents. <i>Chemistry - A European Journal</i> , 2017, 23, 4700-4707.	1.7	44
129	Crystal Engineering of Hand-Twisted Helical Crystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 1975-1983.	6.6	199
130	Self-assembled structures of ferrocene-1-carnosine conjugates. <i>Journal of Organometallic Chemistry</i> , 2017, 839, 78-82.	0.8	3
131	Structural characterization of new fluorinated mesogens obtained through halogen-bond driven self-assembly. <i>Journal of Fluorine Chemistry</i> , 2017, 198, 54-60.	0.9	16

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132	Halogen-bond-based cooperative ion-pair recognition by a crown-ether-embedded 5-iodo-1,2,3-triazole. <i>Chemical Communications</i> , 2017, 53, 2260-2263.	2.2	42
133	Four Crystalline Forms of (Tetrahydrothiophene)trichloridogold(III): Polymorphism and Reversible Low-temperature Phase Transitions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 311-316.	0.6	3
134	Interplay between non-covalent pnictogen bonds and halogen bonds interactions in ArH ₂ N---PH ₂ FO---BrF nanostructured complexes: a substituent effects investigation. <i>Structural Chemistry</i> , 2017, 28, 1065-1079.	1.0	5
135	Ïf-Hole and Ï-Hole Synthons Mimicry in Third-Generation Crystal Engineering: Design of Elastic Crystals. <i>Chemistry - A European Journal</i> , 2017, 23, 4936-4943.	1.7	84
136	Self-Assembly of Iodine in Superfluid Helium Droplets: Halogen Bonds and Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3541-3545.	7.2	17
137	Are fluorine-based contacts predictable? A case study in three similar coordination compounds. <i>CrystEngComm</i> , 2017, 19, 1361-1365.	1.3	12
138	A Direct Link from the Gas to the Condensed Phase: A Rotational Spectroscopic Study of 2,2,2-Trifluoroethanol Trimers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6289-6293.	7.2	52
139	Introducing Supramolecular Interactions into Robust Bis(tetrabromocatecholate) Chelated Manganese(III) Systems and Biomimetic Catalytic Activity. <i>ChemistrySelect</i> , 2017, 2, 2094-2105.	0.7	9
140	Halogen bonding modulates hydrogel formation from Fmoc amino acids. <i>CrystEngComm</i> , 2017, 19, 1870-1874.	1.3	37
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1697	[2-B ₁₀ Cl ₉ SR ₂] ⁺ (R =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 632 Td (<i>...</i>)	1.9	11
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1891	Unraveling the mechanism of CO_2 capture and separation by porous liquids. <i>RSC Advances</i> , 2020, 10, 42706-42717.	1.7	22
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1893	Co-crystals of an organic triselenocyanate with ditopic Lewis bases: recurrent chalcogen bond interactions motifs. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 34-38.	0.5	14

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1895	Halogen-bonded network of trinuclear copper(II) 4-iodopyrazolate complexes formed by mutual breakdown of chloroform and nanojars. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1517-1520.	0.2	7
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1897	Supramolecular interactions in 2,6-diamino-4-chloropyrimidin-1-ium 5-chlorosalicylate and bis(2,6-diamino-4-chloropyrimidin-1-ium) naphthalene-1,5-disulfonate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 237-241.	0.2	3
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1901	Structural and luminescent properties of co-crystals of tetraiodoethylene with two azaphenanthrenes. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 438-442.	0.2	1
1902	1,2,4,5-Tetrachloro-3,6-diiodobenzene benzene monosolvate. <i>IUCrData</i> , 2019, 4, .	0.1	2
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1904	Halogen bonding in crystals of free 1,2-diiodo-ethene (C ₂ H ₂ I ₂) and its π - π -complex [CpMn(CO) ₂](π -C ₂ H ₂ I ₂). <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2020, 235, 599-607.	0.4	13
1905	Marine Natural Products with High Anticancer Activities. <i>Current Medicinal Chemistry</i> , 2020, 27, 1243-1307.	1.2	30
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1907	Recent Advances in Halogen Bond-assisted Organic Synthesis. <i>Current Organic Chemistry</i> , 2020, 24, 2118-2152.	0.9	13
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1913	Supramolecular helices from helical building blocks <i>via</i> head-to-tail intermolecular interactions. <i>Chemical Communications</i> , 2021, 57, 12562-12574.	2.2	11
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1916	A photoexcited halogen-bonded EDA complex of the thiophenolate anion with iodobenzene for C(sp ³)-H activation and thiolation. <i>Chemical Science</i> , 2021, 12, 15655-15661.	3.7	41
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1924	Total Syntheses of Vicinal Dichloride Monoterpenes Enabled by Aza-Bellu \ddot{a} Claisen Rearrangement. <i>Organic Letters</i> , 2021, 23, 8465-8470.	2.4	3
1925	Deprotometalation-Iodolysis and Direct Iodination of 1-Arylated 7-Azaindoles: Reactivity Studies and Molecule Properties. <i>Molecules</i> , 2021, 26, 6314.	1.7	1
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1927	Evaluating Halogen-Bond Strength as a Function of Molecular Structure Using Nuclear Magnetic Resonance Spectroscopy and Computational Analysis. <i>Journal of Physical Chemistry A</i> , 2021, 125, 9377-9393.	1.1	10
1928	Iso-Tellurazolium \cdots N-Phenoxides: A Family of Te \cdots O Chalcogen-Bonding Supramolecular Building Blocks. <i>Inorganic Chemistry</i> , 2021, 60, 16726-16733.	1.9	8
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1933	Chainlike Structure Formed in Iodine Monochloride Graphite Intercalation Compounds. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23383-23389.	1.5	3
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1939	Metal Centers as Nucleophiles: Oxymoron of Halogen Bond Involving Crystal Engineering. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	41
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1943	Halogen and Hydrogen Bond Motifs in Ionic Cocrystals Derived from 3-Halopyridinium Halogenides and Perfluorinated Iodobenzenes. <i>Crystal Growth and Design</i> , 2021, 21, 6044-6050.	1.4	11
1944	Solid-State NMR Studies of Halogen Bonding. , 2018, , 1031-1047.		0
1945	Halogen Bonds in Surface-Bound Supramolecular Self-Assembly. , 2018, , 68-74.		0
1946	A structural study of 2,4-dimethylaniline derivatives. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 1276-1280.	0.2	2
1947	Crystal structure and Hirshfeld surface analysis of dimethyl (3a <i>S</i> ,6 <i>R</i> ,6a <i>S</i> ,7 <i>S</i>)-2-(2,2,2-trifluoroacetyl)-2,3-dihydro-1 <i>H</i> ,6 <i>H</i> ,7 <i>H</i> -3a,6,7,9a-diepoxybenzo		

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1951	Investigation of the changes in hydrogen bonding accompanying the structural reorganization at 103â€¦K in ammonium iodate. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 152-159.	0.5	1
1952	(<i>E</i>)-6,6â€²-(Diazene-1,2-diyl)bis(1,10-phenanthroline-5-ol) trichloromethane disolvate: a superconjugated ligand. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1224-1227.	0.2	0
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1969	Crystal structure of 18-crown-6 â€“ 1,4-diiodotetrafluorobenzene â€“ acetonitrile (1/1/2), C ₂₂ H ₃₀ F ₄ I ₂ N ₂ O ₆ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2020, 235, 663-664.	0.1	1
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#	ARTICLE	IF	CITATIONS
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2030	Halogen and structure sensitivity of halobenzene adsorption on copper surfaces. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 4485-4492.	1.3	2
2031	Solvent Influenced Fragmentations in Freeâ€“Standing Threeâ€“Dimensional Covalent Organic Framework Membranes for Hydrophobicity Switching. <i>Angewandte Chemie</i> , 0, , .	1.6	0
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2034	Chiral Binaphthylâ€“Based Iodonium Salt (Hypervalent Iodine(III)) as Hydrogenâ€“and Halogenâ€“Bonding Bifunctional Catalyst: Insight into Abnormal Counteranion Effect and Asymmetric Synthesis of <i>N</i>,<i>S</i>â€“Acetals. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1091-1098.	2.1	22
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2147	Three types of noncovalent interactions studied between pyrazine and XF. <i>Journal of Molecular Modeling</i> , 2022, 28, 15.	0.8	1

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