The Halogen Bond

Chemical Reviews 116, 2478-2601

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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. Modern Chemistry & Applications, 2015, 03, .	0.2	2
6	Crystal structure of 7-iodo-4-oxo-4H-chromene-3-carbaldehyde. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1724-1727.	0.5	0
7	Chiral Alkyl Halides: Underexplored Motifs in Medicine. Marine Drugs, 2016, 14, 206.	4.6	69
8	Isomorphous Crystals from Diynes and Bromodiynes Involved in Hydrogen and Halogen Bonds. Crystals, 2016, 6, 37.	2.2	5
9	New approaches to organocatalysis based on C–H and C–X bonding for electrophilic substrate activation. Beilstein Journal of Organic Chemistry, 2016, 12, 2834-2848.	2.2	53
10	C2H5OHâ∂HX (X=OH, SH, F) interactions: Is there a carbon bond?. Journal of Chemical Sciences, 2016, 128, 1191-1198.	1.5	1
11	B4H4and B4(CH3)4as Unique Electron Donors in Hydrogen-Bonded and Halogen-Bonded Complexes. Journal of Physical Chemistry A, 2016, 120, 5745-5751.	2.5	18
12	Novel hydrogen- and halogen-bonding anion receptors based on 3-iodopyridinium units. RSC Advances, 2016, 6, 67540-67549.	3.6	29
13	Anion recognition by a bidentate chalcogen bond donor. Chemical Communications, 2016, 52, 9881-9884.	4.1	139
14	Highlights from the 51st EUCHEM conference on stereochemistry, Bürgenstock, Switzerland, May 2016. Chemical Communications, 2016, 52, 9173-9177.	4.1	0
15	Neutral iodotriazoles as scaffolds for stable halogen-bonded assemblies in solution. Chemical Science, 2016, 7, 6422-6428.	7.4	33
16	Highly Stereocontrolled Ringâ€Opening Polymerization of Racemic Alkyl βâ€Malolactonates Mediated by Yttrium [Aminoâ€alkoxyâ€bis(phenolate)] Complexes. Chemistry - A European Journal, 2016, 22, 7629-7641.	3.3	24
17	Halogen bonded polypseudorotaxanes based on a pillar[5]arene host. CrystEngComm, 2016, 18, 5807-5810.	2.6	21
18	Behavior of Halogen Bonds of the Yâ^'Xâ‹â‹â‹ï€ Type (X, Y=F, Cl, Br, I) in the Benzene ï€ System, Elucidated b Using a Quantum Theory of Atoms in Molecules Dualâ€Functional Analysis. ChemPhysChem, 2016, 17, 2579-2589.	oy 2.1	12
19	Phase Transitions and Polymerization of C ₆ H ₆ –C ₆ F ₆ Cocrystal under Extreme Conditions. Journal of Physical Chemistry C, 2016, 120, 29510-29519.	3.1	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. Russian Chemical Bulletin, 2016, 65, 1541-1549.	1.5	4
21	Vapor Pressure Isotope Effects in Halogenated Organic Compounds and Alcohols Dissolved in Water. Analytical Chemistry, 2016, 88, 12066-12071.	6.5	20
22	A new synthetic route to the electron-deficient ligand tris(3,4,5-tribromopyrazol-1-yl)phosphine oxide. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 846-849.	0.5	2

#	Article	IF	CITATIONS
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.	2.8	37
25	Nucleophilic Iododifluoromethylation of Carbonyl Compounds Using Difluoromethyl 2-Pyridyl Sulfone. Organic Letters, 2016, 18, 2766-2769.	4.6	30
26	Using structural modularity in cocrystals to engineer properties: elasticity. Chemical Communications, 2016, 52, 7676-7679.	4.1	83
27	Anion-Ï€ Enzymes. ACS Central Science, 2016, 2, 388-393.	11.3	81
28	One "Click―access to self-complementary molecular modules for halogen bonding. RSC Advances, 2016, 6, 36723-36727.	3.6	1
29	Origin of the Catalytic Effects of Molecular Iodine: A Computational Analysis. ACS Catalysis, 2016, 6, 3203-3212.	11.2	108
30	Superior anion induced shuttling behaviour exhibited by a halogen bonding two station rotaxane. Chemical Science, 2016, 7, 5171-5180.	7.4	47
31	Sequential Halogen Bonding with Ditopic Donors: σ-Hole Evolutions upon Halogen Bond Formation. Crystal Growth and Design, 2016, 16, 2963-2971.	3.0	23
32	Halogen bonding of <i>N</i> -bromosuccinimide by grinding. CrystEngComm, 2016, 18, 3343-3346.	2.6	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.	3.1	44
34	Chiral Hexahalogenated 4,4′-Bipyridines. Journal of Organic Chemistry, 2016, 81, 4576-4587.	3.2	21
35	Halogen bonding influences perylene-core twists in non-core substituted perylene tetraesters. CrystEngComm, 2016, 18, 4513-4517.	2.6	7
36	Competition between Halogen, Hydrogen and Dihydrogen Bonding in Brominated Carboranes. ChemPhysChem, 2016, 17, 3373-3376.	2.1	40
37	Haloacetylation-Driven Transformation of Sandwich Herringbone to Lamellar/Columnar Packing in Pyrene. Crystal Growth and Design, 2016, 16, 5822-5830.	3.0	13
38	Reactivity of electrophilic chlorine atoms due to $\ddot{l}f$ -holes: a mechanistic assessment of the chemical reduction of a trichloromethyl group by sulfur nucleophiles. Physical Chemistry Chemical Physics, 2016, 18, 27300-27307.	2.8	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.	0.5	2
40	Competition between Halogen Bonds in Cocrystals of Imines Derived from <i>o</i> -Vanillin. Crystal Growth and Design, 2016, 16, 6381-6389.	3.0	43

#	Article	IF	CITATIONS
41	Tailoring Cocrystal and Salt Formation and Controlling the Crystal Habit of Diflunisal. Crystal Growth and Design, 2016, 16, 6468-6478.	3.0	22
42	I ₂ -Mediated 2H-indazole synthesis via halogen-bond-assisted benzyl C–H functionalization. Organic and Biomolecular Chemistry, 2016, 14, 9912-9918.	2.8	28
43	Characterization of Nâ⊄O non-covalent interactions involving σ-holes: "electrostatics―or "dispersion― Physical Chemistry Chemical Physics, 2016, 18, 29946-29954.	2.8	14
44	Isotropic rotation in amphidynamic crystals of stacked carbazole-based rotors featuring halogen-bonded stators. Chemical Communications, 2016, 52, 12833-12836.	4.1	14
45	Antibacterial mechanism of biogenic copper nanoparticles synthesized using Heliconia psittacorum leaf extract. Nanotechnology Reviews, 2016, 5, .	5.8	14
46	[Nâ‹â‹l ⁺ â‹â‹N] Halogenâ€Bonded Dimeric Capsules from Tetrakis(3â€pyridyl)ethylene Angewandte Chemie, 2016, 128, 14239-14242.	Cavitand 2.0	s ₂₃
47	[Nâ‹â‹l ⁺ â‹â‹N] Halogenâ€Bonded Dimeric Capsules from Tetrakis(3â€pyridyl)ethylene Angewandte Chemie - International Edition, 2016, 55, 14033-14036.	Cavitand 13.8	^S 100
48	Efficient Light-Induced Phase Transitions in Halogen-Bonded Liquid Crystals. Chemistry of Materials, 2016, 28, 8314-8321.	6.7	46
49	Halogen Bonding with Phosphine: Evidence for Mulliken Inner Complexes and the Importance of Relaxation Energy. Journal of Physical Chemistry A, 2016, 120, 8461-8468.	2.5	30
50	Chalcogens act as inner and outer heteroatoms in borane cages with possible consequences for I_f -hole interactions. CrystEngComm, 2016, 18, 8982-8987.	2.6	8
51	Stabilization of a Chiral Dirhodium Carbene by Encapsulation and a Discussion of the Stereochemical Implications. Angewandte Chemie - International Edition, 2016, 55, 10760-10765.	13.8	64
52	Comparative Study of Charge-Assisted Hydrogen- and Halogen-Bonding Capabilities in Solution of Two-Armed Imidazolium Receptors toward Oxoanions. Journal of Organic Chemistry, 2016, 81, 7448-7458.	3.2	32
53	Controllable Orientation of Ester-Group-Induced Intermolecular Halogen Bonding in a 2D Self-Assembly. Journal of Physical Chemistry Letters, 2016, 7, 3164-3170.	4.6	41
54	Main group metal lone-pairâ< ï€(arene) interactions: a new bonding mode for supramolecular associations. CrystEngComm, 2016, 18, 6960-6978.	2.6	30
55	Two-Dimensional Inorganic Cationic Network of Thorium Iodate Chloride with Unique Halogen–Halogen Bonds. Inorganic Chemistry, 2016, 55, 8570-8575.	4.0	8
56	A highly practical and convenient halogenation of fused heterocyclic N-oxides. Tetrahedron, 2016, 72, 5762-5768.	1.9	27
57	Twoâ€Đimensional Networks of [AuCl ₄] [–] and [AuBr ₄] [–] Anions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 930-936.	1.2	11
58	Selective Nitrate Recognition by a Halogenâ€Bonding Fourâ€Station [3]Rotaxane Molecular Shuttle. Angewandte Chemie - International Edition, 2016, 55, 11069-11076.	13.8	95

	Сітат	ion Report	
#	Article	IF	Citations
59	<i>N</i> -Alkyl ammonium resorcinarene polyiodides. CrystEngComm, 2016, 18, 5724-5727.	2.6	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. ChemistrySelect, 2016, 1, 1741-1750.	1.5	18
61	lodoalkyneâ€Based Catalystâ€Mediated Activation of Thioamides through Halogen Bonding. Chemistry - Asian Journal, 2016, 11, 2863-2866.	an 3.3	62
62	Halogen-Bond-Promoted Double Radical Isocyanide Insertion under Visible-Light Irradiation: Synthesis of 2-Fluoroalkylated Quinoxalines. Organic Letters, 2016, 18, 4638-4641.	4.6	176
63	Competition and cooperativity of σ-hole and π-hole intermolecular interactions between carbon monoxide and bromopentafluorobenzene. New Journal of Chemistry, 2016, 40, 9139-9147.	2.8	16
64	Curved Cyclic Trimers: Orthogonal Cu–Cu Interaction versus Tetrameric Halogen Bonding. Crystal Growth and Design, 2016, 16, 4991-4998.	3.0	16
65	Nitroxide Radical Spin Probes for Exploring Halogenâ€Bonding Interactions in Solution. Chemistry - A European Journal, 2016, 22, 16017-16021.	3.3	14
66	Uncommon halogen bond motifs in cocrystals of aromatic amines and 1,4-diiodotetrafluorobenzene. CrystEngComm, 2016, 18, 7425-7429.	2.6	43
67	Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. Topics in Current Chemistry, 2016, 374, 83.	5.8	52
68	Anion Receptor Chemistry. CheM, 2016, 1, 351-422.	11.7	342
69	Direct photoisomerization of CH2I2vs. CHBr3 in the gas phase: a joint 50 fs experimental and multireference resonance-theoretical study. Physical Chemistry Chemical Physics, 2016, 18, 28883-28892.	2.8	8
70	BrBr and van der Waals interactions along a homologous series: crystal packing of 1,2-dibromo-4,5-dialkoxybenzenes. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 693-701.	1.1	2
71	Convergent synthesis and cytotoxicity of novel trifluoromethyl-substituted (1 H) Tj ETQq0 0 0 rgBT /Over	lock 10 Tf 50 262 1.7	2 Td (-pyrazol 11
72	Selective Nitrate Recognition by a Halogenâ€Bonding Fourâ€Station [3]Rotaxane Molecular Shuttle. Angewandte Chemie, 2016, 128, 11235-11242.	2.0	28
73	Halogen Bonding in Organic Synthesis and Organocatalysis. Chemistry - A European Journal, 2016, 22, 14434-14450.	3.3	477
74	Structure Direction, Solvent Effects, and Anion Influences in Halogen-Bonded Adducts of 2,6-Bis(iodoethynyl)pyridine. Crystal Growth and Design, 2016, 16, 5194-5205.	3.0	20
75	Boron as an Electronâ€Pair Donor for Bâ‹â‹Cl Halogen Bonds. ChemPhysChem, 2016, 17, 3112-31	119. 2.1	26
76	Assessment of DFT Functionals for QTAIM Topological Analysis of Halogen Bonds with Benzene. Journal of Physical Chemistry A, 2016, 120, 9071-9080.	2.5	37

#	Article	IF	CITATIONS
77	Natural Abundance ¹⁵ N and ¹³ C Solid tate NMR Chemical Shifts: High Sensitivity Probes of the Halogen Bond Geometry. Chemistry - A European Journal, 2016, 22, 16819-16828.	3.3	37
78	Induction of Strong Longâ€Lived Roomâ€Temperature Phosphorescence of <i>N</i> â€Phenylâ€2â€naphthylamir Molecules by Confinement in a Crystalline Dibromobiphenyl Matrix. Angewandte Chemie - International Edition, 2016, 55, 15589-15593.	ie 13.8	265
79	Induction of Strong Longâ€Lived Roomâ€Temperature Phosphorescence of <i>N</i> â€Phenylâ€2â€naphthylamir Molecules by Confinement in a Crystalline Dibromobiphenyl Matrix. Angewandte Chemie, 2016, 128, 15818-15822.	ie 2.0	71
80	Synthesis and Characterization of Adducts between SF ₄ and Oxygen Bases: Examples of O···S(IV) Chalcogen Bonding. Inorganic Chemistry, 2016, 55, 12441-12450.	4.0	14
81	Solid-state nuclear magnetic resonance as a tool for investigating the halogen bond. CrystEngComm, 2016, 18, 9173-9184.	2.6	32
82	The intrinsic strength of the halogen bond: electrostatic and covalent contributions described by coupled cluster theory. Physical Chemistry Chemical Physics, 2016, 18, 33031-33046.	2.8	128
83	Studies on the σ–hole bonds (halogen, chalcogen, pnicogen and carbon bonds) based on the orientation of crystal structure. Molecular Physics, 2016, 114, 3629-3642.	1.7	20
84	The Highly Regioselective Halogenation of Nâ€(8â€quinolinyl)amides on the Câ€5 Position with Cuprous Halides Under Mild Conditions. ChemistrySelect, 2016, 1, 5874-5878.	1.5	23
85	Impact and importance of electrostatic potential calculations for predicting structural patterns of hydrogen and halogen bonding. CrystEngComm, 2016, 18, 8631-8636.	2.6	60
86	Exploring the (Very Flat) Potential Energy Landscape of Râ^'Brâ‹â‹â‹î€ Interactions with Accurate CCSD(T) a SAPT Techniques. Chemistry - A European Journal, 2016, 22, 17690-17695.	1d 3.3	21
87	Halogen transfer through halogen bonds in halogen-bound ammonia homodimers. Physical Chemistry Chemical Physics, 2016, 18, 30961-30971.	2.8	8
88	Theoretical study on σ- and Ï€-hole carbonâ< ⁻ carbon bonding interactions: implications in CFC chemistry. Physical Chemistry Chemical Physics, 2016, 18, 32155-32159.	2.8	22
89	A PGSE NMR approach to the characterization of single and multi-site halogen-bonded adducts in solution. RSC Advances, 2016, 6, 80604-80612.	3.6	12
90	Is there theoretical evidence for mutual influence between halogen and pnicogen-hydride bonds? An ab initio study. Journal of Chemical Sciences, 2016, 128, 1905-1912.	1.5	2
91	Charge-assisted triel bonding interactions in solid state chemistry: A combined computational and crystallographic study. Chemical Physics Letters, 2016, 666, 73-78.	2.6	43
92	Dibromohydantoins as halogen bond (XB) donors: a route toward the introduction of chirality in halogen bonded systems. CrystEngComm, 2016, 18, 9325-9333.	2.6	17
93	Stabilization of a Chiral Dirhodium Carbene by Encapsulation and a Discussion of the Stereochemical Implications. Angewandte Chemie, 2016, 128, 10918-10923.	2.0	28
94	Halogen bonded supramolecular porous structures with a kgm layer. CrystEngComm, 2016, 18, 9227-9230.	2.6	6

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Cooperative halogen bonds in V-shaped H₃N·X1X2·X3Y (X1, X2, X3 = Cl and Br; Y = F, Cl and) Tj ETQq0 0 0 rgBT /Overloo

96	Piperazine Functionalization of C ₇₀ for Incorporation into Supramolecular Assemblies. Chemistry - A European Journal, 2016, 22, 18908-18915.	3.3	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.	3.0	1
98	Perfluoroalkylation of Alkenes by Frustrated Lewis Pairs. Chemistry - A European Journal, 2016, 22, 17177-17181.	3.3	23
99	How to Twist, Split and Warp a Ï f -Hole with Hypervalent Halogens. Journal of Physical Chemistry A, 2016, 120, 9431-9445.	2.5	45
100	Selective Sensing of Phosphates by a New Bisâ€heteroleptic Ru ^{II} Complex through Halogen Bonding: A Superior Sensor over Its Hydrogenâ€Bonding Analogue. Chemistry - A European Journal, 2016, 22, 18051-18059.	3.3	55
101	Crystallographic and Theoretical Investigation on the Nature and Characteristics of Type I C╣···S╀ Interactions. Crystal Growth and Design, 2016, 16, 6734-6742.	3.0	22
102	Crystal structure of 4,4-dibromo-1-(3,4-dimethoxyphenyl)-2-azabuta-1,3-diene-1-carbonitrile. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1167-1170.	0.5	1
103	The reaction of CF ₂ Cl ₂ with gas-phase hydrated electrons. Physical Chemistry Chemical Physics, 2016, 18, 23910-23915.	2.8	9
104	Thieno[3,4â€ <i>c</i>]phospholeâ€4,6â€dione: A Versatile Building Block for Phosphorusâ€Containing Functional Ï€â€Conjugated Systems. Chemistry - A European Journal, 2016, 22, 10360-10364.	3.3	16
105	C–Hâ<-Br–C vs. C–Brâ<-Br–C vs. C–Brâ<¬N bonding in molecular self-assembly of pyridine-containing dy Advances, 2016, 6, 53669-53678.	es, RSC	19
106	Halogen bonding anion recognition. Chemical Communications, 2016, 52, 8645-8658.	4.1	241
107	Substituent Effects on the [N–l–N] ⁺ Halogen Bond. Journal of the American Chemical Society, 2016, 138, 9853-9863.	13.7	89
108	The role of solid-state nuclear magnetic resonance in crystal engineering. CrystEngComm, 2016, 18, 5236-5252.	2.6	32
109	S···π, π–π, and C–H···π Contacts Regulate Solid State Fluorescence in Regioisomeric Bisthiazolylpyr Crystal Growth and Design, 2016, 16, 4567-4573.	enes. 3.0	21
110	Asymmetric Anionâ^'ĩ€ Catalysis of Iminium/Nitroaldol Cascades To Form Cyclohexane Rings with Five Stereogenic Centers Directly on Ĩ€-Acidic Surfaces. Journal of the American Chemical Society, 2016, 138, 7876-7879.	13.7	44
111	Influence of ï€-lodide Intermolecular Interactions on Electronic Properties of Tin(IV) lodide Semiconducting Complexes. Inorganic Chemistry, 2016, 55, 5935-5945.	4.0	20
112	Cî€ S â‹T halogen bonding interactions in crystalline iodinated dithiole-2-thiones and thiazole-2-thiones. CrystEngComm, 2016, 18, 5474-5481.	2.6	14

#	Article	IF	CITATIONS
113	Isomeric iodinated analogs of nimesulide: Synthesis, physicochemical characterization, cyclooxygenase-2 inhibitory activity, and transport across Caco-2 cells. Bioorganic and Medicinal Chemistry, 2016, 24, 3727-3733.	3.0	9
114	Formation of Benzimidazoisoquinolinium and Benzimidazoisoindolinum Cyclic Systems by the Reaction of 2-(2-Alkynylphenyl)benzimidazoles with Iodine and Iodine–Iodine Interaction Including Halogen Bonding in Their Crystal Structures. Journal of Organic Chemistry, 2016, 81, 5322-5329.	3.2	11
115	Unorthodox Interactions at Work. Journal of the American Chemical Society, 2016, 138, 4270-4277.	13.7	123
116	Shaping of calix[4]arenes via double bridging of the upper rim. CrystEngComm, 2016, 18, 4964-4970.	2.6	9
117	Porphyrin-based assemblies directed by non-covalent interactions: highlights of recent investigations. CrystEngComm, 2016, 18, 3318-3339.	2.6	34
118	Bicomponent Supramolecular Architectures at the Vacuum–Solid Interface. Chemical Reviews, 2017, 117, 1407-1444.	47.7	95
119	Cooperative Binding in a Phosphine Oxide-Based Halogen Bonded Dimer Drives Supramolecular Oligomerization. Journal of Organic Chemistry, 2017, 82, 1986-1995.	3.2	24
120	Halogen and Hydrogen Bonding between (<i>N</i> â€Halogeno)â€succinimides and Pyridine Derivatives in Solution, the Solid State and In Silico. Chemistry - A European Journal, 2017, 23, 5244-5257.	3.3	72
121	Supramolecular assembly based on "emerging―intermolecular interactions of particular interest to coordination chemists. Coordination Chemistry Reviews, 2017, 345, 209-228.	18.8	175
122	Polymorphism of Two-Dimensional Halogen Bonded Supramolecular Networks on a Graphene/Iridium(111) Surface. Journal of Physical Chemistry C, 2017, 121, 2201-2210.	3.1	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,Nâ€2-Bis-pyridin-4-ylmethylene-naphthalene-1,5-diamine ligand. Journal of Molecular Structure, 2017, 1135, 26-31.	3.6	7
124	C—IN and C—Iπ halogen bonding in the structures of 1-benzyliodoimidazole derivatives. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 2-8.	0.5	9
125	Chalcogen Bonding Macrocycles and [2]Rotaxanes for Anion Recognition. Journal of the American Chemical Society, 2017, 139, 3122-3133.	13.7	187
126	C–I···π Halogen Bonding Driven Supramolecular Helix of Bilateral <i>N</i> -Amidothioureas Bearing β-Turns. Journal of the American Chemical Society, 2017, 139, 6605-6610.	13.7	101
127	Strong and Selective Halide Anion Binding by Neutral Halogenâ€Bonding [2]Rotaxanes in Wet Organic Solvents. Chemistry - A European Journal, 2017, 23, 4700-4707.	3.3	44
129	Crystal Engineering of Hand-Twisted Helical Crystals. Journal of the American Chemical Society, 2017, 139, 1975-1983.	13.7	199
130	Self-assembled structures of ferrocene- l -carnosine conjugates. Journal of Organometallic Chemistry, 2017, 839, 78-82.	1.8	3
131	Structural characterization of new fluorinated mesogens obtained through halogen-bond driven self-assembly. Journal of Fluorine Chemistry, 2017, 198, 54-60.	1.7	16

#	Article	IF	CITATIONS
132	Halogen-bond-based cooperative ion-pair recognition by a crown-ether-embedded 5-iodo-1,2,3-triazole. Chemical Communications, 2017, 53, 2260-2263.	4.1	42
133	Four Crystalline Forms of (Tetrahydrothiophene)trichloridogold(III): Polymorphism and Reversible Lowâ€ŧemperature Phase Transitions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 311-316.	1.2	3
134	Interplay between non-covalent pnicogen bonds and halogen bonds interactions in ArH2NPH2FOBrF nanostructured complexes: a substituent effects investigation. Structural Chemistry, 2017, 28, 1065-1079.	2.0	5
135	Ïfâ€Hole and Ï€â€Hole Synthon Mimicry in Thirdâ€Generation Crystal Engineering: Design of Elastic Crystals. Chemistry - A European Journal, 2017, 23, 4936-4943.	3.3	84
136	Self-Assembly of Iodine in Superfluid Helium Droplets: Halogen Bonds and Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 3541-3545.	13.8	17
137	Are fluorine-based contacts predictable? A case study in three similar coordination compounds. CrystEngComm, 2017, 19, 1361-1365.	2.6	12
138	A Direct Link from the Gas to the Condensed Phase: A Rotational Spectroscopic Study of 2,2,2â€Trifluoroethanol Trimers. Angewandte Chemie - International Edition, 2017, 56, 6289-6293.	13.8	52
139	Introducing Supramolecular Interactions into Robust Bis(tetrabromocatecholate) Chelated Manganese(III) Systems and Biomimetic Catalytic Activity. ChemistrySelect, 2017, 2, 2094-2105.	1.5	9
140	Halogen bonding modulates hydrogel formation from Fmoc amino acids. CrystEngComm, 2017, 19, 1870-1874.	2.6	37
141	Piperazine-functionalized C ₆₀ and diiodine or iodine monochloride as components in forming supramolecular assemblies. Dalton Transactions, 2017, 46, 3710-3715.	3.3	4
142	The effect of hydrogen-bonding cooperativity on the strength and properties of σ-hole interactions: an <i>ab initio</i> study. Molecular Physics, 2017, 115, 913-924.	1.7	14
143	The Strong Lightâ€Emission Materials in the Aggregated State: What Happens from a Single Molecule to the Collective Group. Advanced Science, 2017, 4, 1600484.	11.2	472
144	Halogenverbrückte supramolekulare Kapseln im Festkörper, in Lösung und in der Gasphase. Angewandte Chemie, 2017, 129, 1172-1177.	2.0	29
145	Reaction of Copper Halides with Dafone and Halogens – Magnetic Exchange in Dibromine Linked Chains of Cu(dafone) ₂ X ₂ . European Journal of Inorganic Chemistry, 2017, 2017, 2155-2162.	2.0	10
146	CBr ₄ as a Halogen Bond Donor Catalyst for the Selective Activation of Benzaldehydes to Synthesize α,β-Unsaturated Ketones. Organic Letters, 2017, 19, 1244-1247.	4.6	73
147	Co-Crystallisation of 1,4-Diiodotetrafluorobenzene with Three Different Symmetric Dipyridylacetylacetone Isomers Produces Four Halogen-Bonded Architectures. Australian Journal of Chemistry, 2017, 70, 594.	0.9	20
148	Surface Response of Brominated Carbon Media on Laser and Thermal Excitation: Optical and Thermal Analysis Study. Nanoscale Research Letters, 2017, 12, 146.	5.7	26
149	Halogenâ€Bonding Interactions of Polybrominated Diphenyl Ethers and Thyroid Hormone Derivatives: A Potential Mechanism for the Inhibition of Iodothyronine Deiodinase. Chemistry - A European Journal, 2017, 23, 6625-6633.	3.3	21

#	Article	IF	CITATIONS
150	The interaction strengths and spectroscopy parameters of the C2H2â^™â^™Aâ^™HX and HCNâ^™â^™Aî™HX com NBO calculations. Journal of Molecular Modeling, 2017, 23, 110.	plexes (X 1.8	= F,) Tj ETQq 8
151	Halogenâ€Bond Effects on the Thermo―and Photochromic Behaviour of Anilâ€Based Molecular Coâ€crystals. Chemistry - A European Journal, 2017, 23, 5317-5329.	3.3	52
152	Quantifying the Effects of Halogen Bonding by Haloaromatic Donors on the Acceptor Pyrimidine. ChemPhysChem, 2017, 18, 1267-1273.	2.1	16
153	Competition between lone pair-ï€, halogen-ï€ and triel bonding interactions involving BX3 (XÂ=ÂF, Cl, Br) Tj ETQo	1 1 0.784 1.4	·314 rgBT /O
154	Neutral iodotriazole foldamers as tetradentate halogen bonding anion receptors. Chemical Communications, 2017, 53, 2483-2486.	4.1	63
155	Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths. Journal of Molecular Modeling, 2017, 23, 50.	1.8	51
156	¹³ C and ¹⁹ F solid-state NMR and X-ray crystallographic study of halogen-bonded frameworks featuring nitrogen-containing heterocycles. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 157-167.	0.5	34
157	Design and Synthesis of Novel and Selective Phosphodiesterase 2 (PDE2a) Inhibitors for the Treatment of Memory Disorders. Journal of Medicinal Chemistry, 2017, 60, 2037-2051.	6.4	44
158	Understanding the microscopic binding mechanism of hydroxylated and sulfated polybrominated diphenyl ethers with transthyretin by molecular docking, molecular dynamics simulations and binding free energy calculations. Molecular BioSystems, 2017, 13, 736-749.	2.9	18
159	Unraveling the dual character of sulfur atoms in a series of Hg(<scp>ii</scp>) coordination polymers containing bis(4-pyridyl)disulfide. CrystEngComm, 2017, 19, 1974-1981.	2.6	11
160	Halogen-Bond-Promoted Photoactivation of Perfluoroalkyl Iodides: A Photochemical Protocol for Perfluoroalkylation Reactions. Organic Letters, 2017, 19, 1442-1445.	4.6	224
161	Polymeric Halogenâ€Bondâ€Based Donor Systems Showing Selfâ€Healing Behavior in Thin Films. Angewandte Chemie - International Edition, 2017, 56, 4047-4051.	13.8	79
162	Synthesis and Characterisation of Chiral Triazoleâ€Based Halogenâ€Bond Donors: Halogen Bonds in the Solid State and in Solution. Chemistry - A European Journal, 2017, 23, 7337-7344.	3.3	52
163	On the Importance of ï€â€Hole Beryllium Bonds: Theoretical Study and Biological Implications. Chemistry - A European Journal, 2017, 23, 5375-5380.	3.3	19
164	Systematic Investigation of Resorcin[4]areneâ€Based Cavitands as Affinity Materials on Quartz Crystal Microbalances. ChemPlusChem, 2017, 82, 493-497.	2.8	13
165	Halogen-Bond-Based Molecular Self-Assembly on Graphene Surface: A First-Principles Study. Journal of Physical Chemistry C, 2017, 121, 4451-4461.	3.1	17
166	Tripodal halogen bonding iodo-azolium receptors for anion recognition. RSC Advances, 2017, 7, 11253-11258.	3.6	23
167	Photoresponsive ionic liquid crystals assembled via halogen bond: en route towards light-controllable ion transporters. Faraday Discussions, 2017, 203, 407-422.	3.2	23

#	Article	IF	CITATIONS
168	Effect of halogen bonding on supramolecular assembly and photophysical properties of diaryl oxalates. Structural Chemistry, 2017, 28, 1731-1742.	2.0	2
169	Ambient-Light-Promoted Three-Component Annulation: Synthesis of Perfluoroalkylated Pyrimidines. Organic Letters, 2017, 19, 2358-2361.	4.6	49
170	Unusual cooperativity effects between halogen bond and donor-acceptor interactions: The role of orbital interaction. Chemical Physics Letters, 2017, 678, 275-282.	2.6	22
171	Self-Assembly of Polymer Nanostructures through Halogen Bonding Interactions of an Iodoperfluoroarene-Functionalized Polystyrene Derivative. Macromolecules, 2017, 50, 3807-3817.	4.8	30
172	Electrophilic Activation of Iodonium Ylides by Halogenâ€Bondâ€Donor Catalysis for Crossâ€Enolate Coupling. Angewandte Chemie - International Edition, 2017, 56, 7653-7657.	13.8	92
173	Theoretical study of noncovalent interactions in XCN···YO2H (XÂ=ÂF, Cl, Br, I; YÂ=ÂP, As, Sb) complexes. Journal of Molecular Modeling, 2017, 23, 188.	1.8	3
174	Soft-Cavity-type Host–Guest Structure of Cocrystals with Good Luminescence Behavior Assembled by Halogen Bond and Other Weak Interactions. Crystal Growth and Design, 2017, 17, 3331-3337.	3.0	36
175	An Elastic Hydrogen-Bonded Cross-Linked Organic Framework for Effective Iodine Capture in Water. Journal of the American Chemical Society, 2017, 139, 7172-7175.	13.7	218
176	Assembly and dichroism of a four-component halogen-bonded metal–organic cocrystal salt solvate involving dicyanoaurate(I) acceptors. Faraday Discussions, 2017, 203, 441-457.	3.2	29
177	The ¹⁵ N NMR chemical shift in the characterization of weak halogen bonding in solution. Faraday Discussions, 2017, 203, 333-346.	3.2	25
178	IF ₅ affects the final stage of the Cl–F exchange fluorination in the synthesis of pentafluoro-λ ⁶ -sulfanyl-pyridines, pyrimidines and benzenes with electron-withdrawing substituents. Chemical Communications, 2017, 53, 5997-6000.	4.1	33
179	Stabilizing Fluorine–π Interactions. Angewandte Chemie, 2017, 129, 7315-7318.	2.0	18
180	Selective Piperidine Synthesis Exploiting Iodine-Catalyzed C _{sp} ³ –H Amination under Visible Light. ACS Catalysis, 2017, 7, 4122-4125.	11.2	87
181	Halogen Bonds Involved in Copper(I) Complexes: A Study Based on the Electronic Charge Density. European Journal of Inorganic Chemistry, 2017, 2017, 2723-2726.	2.0	3
182	Weakening and Leveling Effect of Solvent Polarity on Halogen Bond Strength of Diiodoperfluoroalkane with Halide. Journal of Solution Chemistry, 2017, 46, 1092-1103.	1.2	4
183	Stabilizing Fluorine–π Interactions. Angewandte Chemie - International Edition, 2017, 56, 7209-7212.	13.8	75
184	Chalcogen bonds tuned by an N–H···π or C–H···π interaction: investigation of substituent, cooperativity and solvent effects. Molecular Physics, 2017, 115, 1713-1723.	1.7	12
185	Supramolecular nanotubes based on halogen bonding interactions: cooperativity and interaction with small guests. Physical Chemistry Chemical Physics, 2017, 19, 12936-12941.	2.8	26

#	Article	IF	CITATIONS
186	Assembly of Effective Halide Receptors from Components. Comparing Hydrogen, Halogen, and Tetrel Bonds. Journal of Physical Chemistry A, 2017, 121, 3606-3615.	2.5	56
187	Direct Experimental Evidence for Halogen–Aryl π Interactions in Solution from Molecular Torsion Balances. Angewandte Chemie - International Edition, 2017, 56, 6454-6458.	13.8	32
188	Exploring the Role of <i>N</i> ⁶ -Substituents in Potent Dual Acting 5â€2- <i>C</i> -Ethyltetrazolyladenosine Derivatives: Synthesis, Binding, Functional Assays, and Antinociceptive Effects in Mice. Journal of Medicinal Chemistry, 2017, 60, 4327-4341.	6.4	15
189	Anion-driven tetrel bond-induced engineering of lead(<scp>ii</scp>) architectures with N′-(1-(2-pyridyl)ethylidene)nicotinohydrazide: experimental and theoretical findings. Inorganic Chemistry Frontiers, 2017, 4, 171-182.	6.0	44
190	Trimethyl-, triethyl- and trimethoxybenzene-based tripodal compounds bearing pyrazole groups: conformations and halogen-/hydrogen-bond patterns in the crystalline state. CrystEngComm, 2017, 19, 3817-3833.	2.6	19
191	Adsorption of Carbon Tetrahalides on Coronene and Graphene. Journal of Physical Chemistry C, 2017, 121, 14968-14974.	3.1	11
192	Formation and distortion of iodidoantimonates(III): the first isolated [Sbl ₆] ^{3â~} octahedron. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 432-442.	1.1	5
193	Comparison of halogen bonding networks with Ru(<scp>ii</scp>) complexes and analysis of the influence of the XB interactions on their reactivity. Faraday Discussions, 2017, 203, 257-283.	3.2	19
194	Halogen bonding in medicinal chemistry: from observation to prediction. Future Medicinal Chemistry, 2017, 9, 637-640.	2.3	60
195	Photoresponsive AA/BB supramolecular polymers comprising stiff-stilbene based guests and bispillar[5]arenes. Polymer Chemistry, 2017, 8, 3596-3602.	3.9	29
196	Electrophilic Activation of Iodonium Ylides by Halogenâ€Bondâ€Donor Catalysis for Crossâ€Enolate Coupling. Angewandte Chemie, 2017, 129, 7761-7765.	2.0	29
197	Sigma-hole carbon-bonding interactions in carbon–carbon double bonds: an unnoticed contact. Physical Chemistry Chemical Physics, 2017, 19, 15530-15540.	2.8	28
198	Tetrameric and Dimeric [Nâ‹â‹l ⁺ â‹â‹â‹N] Halogenâ€Bonded Supramolecular Cages. Che European Journal, 2017, 23, 11714-11718.	mistry - A	61
199	The Mouse in a Trap: Observation of a C(sp3)–F···F–C(sp3) Interaction in a Discrete CFC Pair by the Crystal Sponge Method. Crystal Growth and Design, 2017, 17, 3611-3615.	3.0	13
200	Halogenation dictates the architecture of amyloid peptide nanostructures. Nanoscale, 2017, 9, 9805-9810.	5.6	33
201	Chalcogen bonding in synthesis, catalysis and design of materials. Dalton Transactions, 2017, 46, 10121-10138.	3.3	343
202	Methylammonium Lead Trihalide Perovskite Solar Cell Semiconductors Are Not Organometallic: A Perspective. Helvetica Chimica Acta, 2017, 100, e1700090.	1.6	24
203	Thermal Expansion in Organic Crystals. Journal of the Indian Institute of Science, 2017, 97, 177-191.	1.9	39

#	Article	IF	CITATIONS
204	Steering Self-Assembly of Amphiphilic Molecular Nanostructures via Halogen Exchange. Journal of Physical Chemistry Letters, 2017, 8, 2895-2901.	4.6	34
205	Transition from metal-ligand bonding to halogen bonding involving a metal as halogen acceptor a study of Cu, Ag, Au, Pt, and Hg complexes. Chemical Physics Letters, 2017, 681, 56-63.	2.6	74
206	Halogen effects on the solid-state packing of phenylalanine derivatives and the resultant gelation properties. Faraday Discussions, 2017, 203, 423-439.	3.2	9
207	Application of the Halogen Bond in Protein Systems. Biochemistry, 2017, 56, 2759-2761.	2.5	26
208	Halogenâ€Bondingâ€Mediated and Controlled Cationic Polymerization of Isobutyl Vinyl Ether: Expanding the Catalytic Scope of 2â€lodoimidazolium Salts. Chemistry - A European Journal, 2017, 23, 9495-9500.	3.3	40
209	The Role of the Hydroxyl Group in Propofol–Protein Target Recognition: Insights from ONIOM Studies. Journal of Physical Chemistry B, 2017, 121, 5883-5896.	2.6	14
210	Hydrogen bonding vs. halogen bonding: the solvent decides. Chemical Science, 2017, 8, 5392-5398.	7.4	176
211	Aktivierung einer Kohlenstoffâ€Halogenâ€Bindung durch selenbasierte Chalkogenbrücken. Angewandte Chemie, 2017, 129, 12172-12176.	2.0	57
212	Carbon–Halogen Bond Activation by Seleniumâ€Based Chalcogen Bonding. Angewandte Chemie - International Edition, 2017, 56, 12009-12012.	13.8	159
213	Halogen Bonding: A Powerful Tool for Modulation of Peptide Conformation. Biochemistry, 2017, 56, 3265-3272.	2.5	65
213 214	Halogen Bonding: A Powerful Tool for Modulation of Peptide Conformation. Biochemistry, 2017, 56, 3265-3272. Halogen Bonding in Nucleic Acid Complexes. Journal of Medicinal Chemistry, 2017, 60, 8681-8690.	2.5 6.4	65 51
213 214 215	Halogen Bonding: A Powerful Tool for Modulation of Peptide Conformation. Biochemistry, 2017, 56, 3265-3272. Halogen Bonding in Nucleic Acid Complexes. Journal of Medicinal Chemistry, 2017, 60, 8681-8690. Halogen Bonding in the Complexes of CH ₃ 1 and CCl ₄ with Oxygen-Containing Halogen-Bond Acceptors. Journal of Physical Chemistry A, 2017, 121, 5045-5055.	2.5 6.4 2.5	65 51 18
213 214 215 216	Halogen Bonding: A Powerful Tool for Modulation of Peptide Conformation. Biochemistry, 2017, 56, 3265-3272.Halogen Bonding in Nucleic Acid Complexes. Journal of Medicinal Chemistry, 2017, 60, 8681-8690.Halogen Bonding in the Complexes of CH ₃ 1 and CCI ₄ with Oxygen-Containing Halogen-Bond Acceptors. Journal of Physical Chemistry A, 2017, 121, 5045-5055.TinÂ-Â-Ô-Oxygen Tetrel Bonding: A Combined Structural, Spectroscopic, and Computational Study. Crystal Growth and Design, 2017, 17, 4021-4027.	2.5 6.4 2.5 3.0	65 51 18 10
213 214 215 216 217	Halogen Bonding: A Powerful Tool for Modulation of Peptide Conformation. Biochemistry, 2017, 56, 3265-3272.Halogen Bonding in Nucleic Acid Complexes. Journal of Medicinal Chemistry, 2017, 60, 8681-8690.Halogen Bonding in the Complexes of CH ₃ 1 and CCl ₄ with Oxygen-Containing Halogen-Bond Acceptors. Journal of Physical Chemistry A, 2017, 121, 5045-5055.TinÂ-Â-ÂOxygen Tetrel Bonding: A Combined Structural, Spectroscopic, and Computational Study. Crystal Crowth and Design, 2017, 17, 4021-4027.On the Importance of Nonbonding Donor–Acceptor Interactions Involving PO ₂ PO ₂	2.5 6.4 2.5 3.0 2.1	 65 51 18 10 1
213 214 215 216 217 218	Halogen Bonding: A Powerful Tool for Modulation of Peptide Conformation. Biochemistry, 2017, 56, 3265-3272.Halogen Bonding in Nucleic Acid Complexes. Journal of Medicinal Chemistry, 2017, 60, 8681-8690.Halogen Bonding in the Complexes of CH ₃ 1 and CCl ₄ with Oxygen-Containing Halogen-Bond Acceptors. Journal of Physical Chemistry A, 2017, 121, 5045-5055.TinÂÂÂOxygen Tetrel Bonding: A Combined Structural, Spectroscopic, and Computational Study. Crystal Crowth and Design, 2017, 17, 4021-4027.On the Importance of Nonbonding Donor–Acceptor Interactions Involving PO ₂ Po ₂ Practical synthesis of 9-methylthio-7,8-nido-carborane [9-MeS-7,8-C2B9H11]. Some evidences of BHÂÂÂAX hydride-halogen bonds in 9-XCH2(Me)S-7,8-C2B9H11 (XÂ= Cl, Br, I). Journal of Organometallic Chemistry, 2017, 849-850, 315-323.	2.5 6.4 2.5 3.0 2.1 1.8	 65 51 18 10 1 27
 213 214 215 216 217 218 219 	Halogen Bonding: A Powerful Tool for Modulation of Peptide Conformation. Biochemistry, 2017, 56, 3265-3272.Halogen Bonding in Nucleic Acid Complexes. Journal of Medicinal Chemistry, 2017, 60, 8681-8690.Halogen Bonding in the Complexes of CH ₃ 1 and CCl ₄ with Oxygen-Containing Halogen-Bond Acceptors. Journal of Physical Chemistry A, 2017, 121, 5045-5055.TinÂ-Â-Â-Oxygen Tetrel Bonding: A Combined Structural, Spectroscopic, and Computational Study. Crystal Growth and Design, 2017, 17, 4021-4027.On the Importance of Nonbonding Donorâ€"Acceptor Interactions Involving PO ₂ Po ₂ Practical synthesis of 9-methylthio-7,8-nido-carborane [9-MeS-7,8-C2B9H11] Some evidences of BHÂ-Â-Â-X hydride-halogen bonds in 9- XCH2(Me)S-7,8-C2B9H11 (XÂ= Cl, Br, I). Journal of Organometallic Chemistry, 2017, 849-850, 315-323.Utilizing bifurcated halogen-bonding interactions with the uranyl oxo group in the assembly of a UO ₂ 23Utilizing bifurcated halogen-bonding interactions with the uranyl oxo group in the assembly of a UO ₂ 3Utilizing bifurcated halogen-bonding interactions with the uranyl oxo group in the assembly of a UO _{2Utilizing bifurcated halogen-bonding interactions with the uranyl oxo group in the assembly of a UO_{2UO_{2Structural Science, Crystal Engineering and Materials, 2017, 73, 234-239.}}}	2.5 6.4 2.5 3.0 2.1 1.8 1.1	 65 51 18 10 1 27 16
 213 214 215 216 217 218 219 220 	Halogen Bonding: A Powerful Tool for Modulation of Peptide Conformation. Biochemistry, 2017, 56, 3265-3272.Halogen Bonding in Nucleic Acid Complexes. Journal of Medicinal Chemistry, 2017, 60, 8681-8690.Halogen Bonding in the Complexes of CH ₃ 1 and CCI ₄ with Oxygen-Containing Halogen-Bond Acceptors. Journal of Physical Chemistry A, 2017, 121, 5045-5055.TinÂ-Â-Â-Oxygen Tetrel Bonding: A Combined Structural, Spectroscopic, and Computational Study. Crystal Growth and Design, 2017, 17, 4021-4027.On the Importance of Nonbonding Donorâ€"Acceptor Interactions Involving PO ₂ Practical synthesis of 9-methylthio-7,8-nido-carborane [9-MeS-7,8-C289H11] Some evidences of BHÂ-Â-Â-X hydride-halogen bonds in 9-XCH2(Me)S-7,8-C289H11 (XÂ= CI, Br, I). Journal of Organometallic Chemistry, 2017, 849-850, 315-323.Utilizing bifurcated halogen-bonding interactions with the uranyl oxo group in the assembly of a UO ₂ éf"3-bromo-5-iodobenzoic acid coordination polymer. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 234-239.Testing the tools for revealing and characterizing the iodineã€"iodine halogen bond in crystals. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 217-226.	2.5 6.4 2.5 3.0 2.1 1.8 1.1 1.1	 65 51 18 10 1 27 16 45

#	Article	IF	CITATIONS
222	Halogenâ^ïi€ Interactions in the Cytochrome P450 Active Site: Structural Insights into Human CYP2B6 Substrate Selectivity. ACS Chemical Biology, 2017, 12, 1204-1210.	3.4	40
223	Diiodomethane as a halogen bond donor toward metal-bound halides. CrystEngComm, 2017, 19, 2517-2525.	2.6	64
224	1,3,5-Tri(iodoethynyl)-2,4,6-trifluorobenzene: halogen-bonded frameworks and NMR spectroscopic analysis. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 153-162.	1.1	17
225	Pharmaceutical cocrystals, salts and multicomponent systems; intermolecular interactions and property based design. Advanced Drug Delivery Reviews, 2017, 117, 3-24.	13.7	279
226	Hierarchical Self-Assembly of Halogen-Bonded Block Copolymer Complexes into Upright Cylindrical Domains. CheM, 2017, 2, 417-426.	11.7	49
227	Selective binding in different adsorption sites of a 2D covalent organic framework. CrystEngComm, 2017, 19, 4927-4932.	2.6	27
228	Linear σâ€Hole Bonding Dimers and Trimers Between Dihalogen Molecules XY (X, Y=Cl, Br) and Carbon Monoxide. ChemistrySelect, 2017, 2, 2687-2699.	1.5	9
229	Strength, character, and directionality of halogen bonds involving cationic halogen bond donors. Faraday Discussions, 2017, 203, 47-60.	3.2	21
230	Halogen-bonded dimers and ribbons from the self-assembly of 3-halobenzophenones. CrystEngComm, 2017, 19, 2202-2206.	2.6	6
231	Reorganized, weak C–Hâ∂O interactions directly modify the mechanical properties and compaction performance of a series of nitrobenzoic acids. CrystEngComm, 2017, 19, 2526-2535.	2.6	11
232	Reaction Mechanism of Iodine-Catalyzed Michael Additions. Journal of Organic Chemistry, 2017, 82, 4037-4043.	3.2	118
233	Influence of Halogen Bonds on the Compactness of Supramolecular Assemblies on Si(111)-B. Journal of Physical Chemistry C, 2017, 121, 8427-8434.	3.1	7
234	Quantum Chemical Dissection of the Shortest P=Oâ‹â‹â‹l Halogen Bond: The Decisive Role of Crystal Packing Effects. Chemistry - A European Journal, 2017, 23, 5687-5691.	3.3	20
235	Shape and Geometry Corrected Statistical Analysis on Halogen··À·Halogen Interactions. Crystal Growth and Design, 2017, 17, 2314-2318.	3.0	30
236	Halogenated Sodium- <i>closo</i> -Dodecaboranes as Solid-State Ion Conductors. Chemistry of Materials, 2017, 29, 3423-3430.	6.7	73
237	Spin-state modulation of molecular Fe ^{III} complexes via inclusion in halogen-bonded supramolecular networks. Chemical Communications, 2017, 53, 4989-4992.	4.1	22
238	Theoretical insights into the π-hole interactions in the complexes containing triphosphorus hydride (P3H3) and its derivatives. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 195-202.	1.1	4
239	Cyclic networks of halogen-bonding interactions in molecular self-assemblies: a theoretical N— <i>X</i> N <i>versus</i> C— <i>X</i> N investigation. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 179-187.	1.1	6

#	Article	IF	CITATIONS
240	Cocrystal assembled by 1,4-diiodotetrafluorobenzene and phenothiazine based on C—Iπ/N/S halogen bond and other assisting interactions. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 210-216.	1.1	11
241	Crystallographic insights into the structural aspects of thioctic acid based halogen-bond donor for the functionalization of gold nanoparticles. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 240-246.	1.1	5
242	Relationships between hydrogen bonds and halogen bonds in biological systems. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 255-264.	1.1	44
243	Halogen bonding stabilizes a <i>cis</i> -azobenzene derivative in the solid state: a crystallographic study. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 227-233.	1.1	9
244	Intermolecular interactions in molecular crystals: what's in a name?. Faraday Discussions, 2017, 203, 93-112.	3.2	121
245	Comparison of halide receptors based on H, halogen, chalcogen, pnicogen, and tetrel bonds. Faraday Discussions, 2017, 203, 213-226.	3.2	57
246	Supramolecular Covalence in Bifurcated Chalcogen Bonding. Chemistry - A European Journal, 2017, 23, 7315-7323.	3.3	51
247	Designer Metallic Acceptor ontaining Halogen Bonds: General Strategies. Chemistry - A European Journal, 2017, 23, 5439-5442.	3.3	4
248	The evaluation of QM/MM-driven molecular docking combined with MM/GBSA calculations as a halogen-bond scoring strategy. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 188-194.	1.1	24
249	Characterization of fluorine-centred `FO' σ-hole interactions in the solid state. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 140-152.	1.1	28
250	Linear Four-Chalcogen Interactions in Radical Cationic and Dicationic Dimers of 1,5-(Dichalcogena)canes: Nature of the Interactions Elucidated by QTAIM Dual Functional Analysis with QC Calculations. Journal of Physical Chemistry A, 2017, 121, 2482-2496.	2.5	5
251	Two-dimensional crystal engineering using halogen and hydrogen bonds: towards structural landscapes. Chemical Science, 2017, 8, 3759-3769.	7.4	50
252	Cationic all-halogen bonding rotaxanes for halide anion recognition. Faraday Discussions, 2017, 203, 245-255.	3.2	4
253	Electron-transfer reactions of halogenated electrophiles: a different look into the nature of halogen bonding. Faraday Discussions, 2017, 203, 315-332.	3.2	22
254	Toward the Classical Description of Halogen Bonds: A Quantum Based Generalized Empirical Potential for Fluorine, Chlorine, and Bromine. Journal of Physical Chemistry A, 2017, 121, 2442-2451.	2.5	17
255	The Underestimated Halogen Bonds Forming with Protein Side Chains in Drug Discovery and Design. Journal of Chemical Information and Modeling, 2017, 57, 22-26.	5.4	21
256	Effects of Orthohalogen Substituents on Nitrate Binding in Urea-Based Silver(I) Coordination Polymers. Crystal Growth and Design, 2017, 17, 255-261.	3.0	12
257	Rotational Dynamics of Diazabicyclo[2.2.2]octane in Isomorphous Halogen-Bonded Co-crystals: Entropic and Enthalpic Effects. Journal of the American Chemical Society, 2017, 139, 843-848.	13.7	71

# 258	ARTICLE Fluorine Interactions in the 3D Packing of "Pt(IV)I ₂ ―Organometallic Molecular Materials: Structural and Computational Approaches. Crystal Growth and Design, 2017, 17, 409-413.	IF 3.0	CITATIONS
259	Coordination Polymers with Intramolecular Fluorine-Involved Contacts in Two-Dimensional Sheet Windows. Crystal Growth and Design, 2017, 17, 834-845.	3.0	18
260	Palladiumâ€Catalysed Crossâ€Coupling Reactions Controlled by Noncovalent Znâ‹â‹â‹N Interactions. Chem - A European Journal, 2017, 23, 5033-5043.	istry 3.3	19
261	Comparative Structural Studies of Four Homologous Thioamidic Unclosed Crytpands: Self-Encapsulation of Lariat Arm, Odd–Even Effects, Anomalously Short S···S Chalcogen Bonding, and More. Crystal Growth and Design, 2017, 17, 701-710.	3.0	13
262	Unusual C–I··•O Halogen Bonding in Triazole Derivatives: Gelation Solvents at Two Extremes of Polarity and Formation of Superorganogels. Langmuir, 2017, 33, 311-321.	3.5	16
263	Halogenâ€Bonded Supramolecular Capsules in the Solid State, in Solution, and in the Gas Phase. Angewandte Chemie - International Edition, 2017, 56, 1152-1157.	13.8	92
264	Inhibition of the Cysteine Protease Human Cathepsinâ€L by Triazine Nitriles: Amideâ‹â‹â‹Heteroarene Ï€â€ Interactions and Chalcogen Bonding in the S3 Pocket. ChemMedChem, 2017, 12, 257-270.	Stacking	42
265	Helical Preorganization of Molecules Drives Solid-State Intermolecular Acyl-Transfer Reactivity in Crystals: Structures and Reactivity Studies of Solvates of Racemic 2,6-Di-O-(4-fluorobenzoyl)-myo-inositol 1,3,5-Orthoformate. Crystal Growth and Design, 2017, 17, 117-126.	3.0	2
266	Unsymmetrical Bipyrroleâ€Derived βâ€Tetraalkylporphycenes and C–H···Br–C Interaction Induced 2D Arr of the 2:1 Supramolecular Sandwich Complex of Their <i>cis</i> â€I <i>trans</i> â€Dibromo Isomers. European Journal of Organic Chemistry, 2017, 2017, 741-745.	ays 2.4	13
267	Quantitative Assessment of Halogen Bonding Utilizing Vibrational Spectroscopy. Inorganic Chemistry, 2017, 56, 488-502.	4.0	91
268	Catalysis with Chalcogen Bonds. Angewandte Chemie, 2017, 129, 830-833.	2.0	89
269	Catalysis with Chalcogen Bonds. Angewandte Chemie - International Edition, 2017, 56, 812-815.	13.8	235
270	Electrophilic–Nucleophilic Dualism of Nickel(II) toward Ni···I Noncovalent Interactions: Semicoordination of Iodine Centers via Electron Belt and Halogen Bonding via σ-Hole. Inorganic Chemistry, 2017, 56, 13562-13578.	4.0	84
271	Solid-State Versatility of the Molecular Salts/Cocrystals of 2-Chloro-4-nitrobenzoic Acid: A Case Study on Halogen Bonds. ACS Omega, 2017, 2, 7146-7162.	3.5	19
272	Catalytic Halogen Bond Activation in the Benzylic C–H Bond Iodination with Iodohydantoins. Organic Letters, 2017, 19, 6156-6159.	4.6	19
273	Separation performance of a large ï€-conjugated truxene-based dendrimer as stationary phase for gas chromatography. RSC Advances, 2017, 7, 44665-44672.	3.6	3
274	Development of the first model of a phosphorylated, ATP/Mg ²⁺ -containing B-Raf monomer by molecular dynamics simulations: a tool for structure-based design. Physical Chemistry Chemical Physics, 2017, 19, 31177-31185.	2.8	2
275	Halogen bonding, chalcogen bonding, pnictogen bonding, tetrel bonding: origins, current status and discussion. Faraday Discussions, 2017, 203, 485-507.	3.2	145

#	Article	IF	CITATIONS
276	Importance of Nonclassical σ-Hole Interactions for the Reactivity of λ ³ -lodane Complexes. Journal of Organic Chemistry, 2017, 82, 11799-11805.	3.2	45
277	The σ and π Holes. The Halogen and Tetrel Bondings: Their Nature, Importance and Chemical, Biological and Medicinal Implications. ChemistrySelect, 2017, 2, 9094-9112.	1.5	41
278	Abnormal room temperature phosphorescence of purely organic boron-containing compounds: the relationship between the emissive behaviorand the molecular packing, and the potential related applications. Chemical Science, 2017, 8, 8336-8344.	7.4	176
279	Fluorinated elements of Group 15 as pnictogen bond donor sites. Journal of Fluorine Chemistry, 2017, 203, 62-74.	1.7	71
280	Revisiting the charge density analysis of 2,5-dichloro-1,4-benzoquinone at 20â€K. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 654-659.	1.1	5
281	Exploring the Promotion of Synthons of Choice: Halogen Bonding in Molecular Lanthanide Complexes Characterized via Xâ€ray Diffraction, Luminescence Spectroscopy, and Magnetic Measurements. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1948-1955.	1.2	6
282	Self-sorting in mixed fluorinated/hydrogenated assemblies. Supramolecular Chemistry, 2017, 29, 808-822.	1.2	3
283	A direct look at halogen bonds. Science, 2017, 358, 167-168.	12.6	20
284	Some Hydrated Molecular Complexes of 4-Cyanophenylboronic Acid: Significance of Water in the Structure Stabilization by Theoretical Investigation. Crystal Growth and Design, 2017, 17, 6247-6254.	3.0	10
285	Hydrogen bonds, and σ-hole and π-hole bonds – mechanisms protecting doublet and octet electron structures. Physical Chemistry Chemical Physics, 2017, 19, 29742-29759.	2.8	91
286	3-D organic-inorganic hybrid architecture based on Tröger's Base: Synthesis, supramolecular structure, and aggregation-induced emission properties. Inorganic Chemistry Communication, 2017, 86, 145-149.	3.9	1
287	The Origin of Chalcogen-Bonding Interactions. Journal of the American Chemical Society, 2017, 139, 15160-15167.	13.7	382
288	Hybrid organic–inorganic CH ₃ NH ₃ PbI ₃ perovskite building blocks: Revealing ultraâ€strong hydrogen bonding and mulliken inner complexes and their implications in materials design. Journal of Computational Chemistry, 2017, 38, 2802-2818.	3.3	32
289	Nano-sized I12L6 Molecular Capsules Based on the [Nâ‹â‹â‹l+â‹â‹â‹N] Halogen Bond. CheM, 2017, 3,	8 61.8 69.	86
290	Two-Dimensional Arrangements of Bis(haloethynyl)benzenes Combining Halogen and Hydrogen Interactions. Crystal Growth and Design, 2017, 17, 6212-6223.	3.0	16
291	Experimental investigation of halogen-bond hard–soft acid–base complementarity. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 203-209.	1.1	21
292	Catalytic Carbon–Chlorine Bond Activation by Seleniumâ€Based Chalcogen Bond Donors. Chemistry - A European Journal, 2017, 23, 16972-16975.	3.3	100
293	Interplay between Halogen and Hydrogen Bonds in 2D Self-Assembly on the Gold Surface: A First-Principles Investigation. Journal of Physical Chemistry C, 2017, 121, 24707-24720.	3.1	11

#	Article	IF	CITATIONS
294	A halogen-bonding-catalyzed Michael addition reaction. Chemical Communications, 2017, 53, 12052-12055.	4.1	126
295	Theoretical investigation on molecular structure of a new mononuclear copper(II) thiocyanato complex with tridentate Schiff base ligand. Journal of Coordination Chemistry, 2017, 70, 3715-3726.	2.2	9
296	Photoinduced reversible spin-state switching of an FellI complex assisted by a halogen-bonded supramolecular network. Chemical Communications, 2017, 53, 10283-10286.	4.1	25
297	The anomalous halogen bonding interactions between chlorine and bromine with water in clathrate hydrates. Faraday Discussions, 2017, 203, 61-77.	3.2	14
298	Ball and Socket Assembly of Binary Superatomic Solids Containing Trinuclear Nickel Cluster Cations and Fulleride Anions. Inorganic Chemistry, 2017, 56, 10984-10990.	4.0	16
299	The Forgotten Nitroaromatic Phosphines as Weakly Donating Pâ€ligands: An <i>N</i> â€Aryl â€benzimidazolyl Series in RhCl(CO) Complexes . Chemistry - an Asian Journal, 2017, 12, 2845-2856.	3.3	5
300	One-dimensional polymeric polybromotellurates(<scp>iv</scp>): structural and theoretical insights into halogenâ< halogen contacts. CrystEngComm, 2017, 19, 5934-5939.	2.6	58
301	Halogen and Hydrogen Bonding in Povidone-Iodine and Related Co-Phases. Crystal Growth and Design, 2017, 17, 5552-5558.	3.0	39
302	Can C Hâ<¯F C hydrogen bonds alter crystal packing features in the presence of N Hâ<¯O C hydrogen bond?. Journal of Molecular Structure, 2017, 1150, 469-480.	3.6	6
303	The halogen bonding proclivity of the ortho-methoxy–hydroxy group in cocrystals of o-vanillin imines and diiodotetrafluoro-benzenes. CrystEngComm, 2017, 19, 5576-5582.	2.6	32
304	Role of Lewisâ€Baseâ€Coordinated Halogen(I) Intermediates in Organic Synthesis: The Journey from Unstable Intermediates to Versatile Reagents. European Journal of Organic Chemistry, 2017, 2017, 5497-5518.	2.4	44
305	A new Pu(<scp>iii</scp>) coordination geometry in (C ₅ H ₅ NBr) ₂ [PuCl ₃ (H ₂ O) ₅]·2ClÂ as obtained via supramolecular assembly in aqueous, high chloride media. Chemical Communications, 2017 52 10816 10819	2H∢sub> 4.1	20
306	Halogen-bonded iodonium ion catalysis: a route to α-hydroxy ketones via domino oxidations of secondary alcohols and aliphatic C–H bonds with high selectivity and control. Chemical Communications, 2017, 53, 10942-10945.	4.1	26
307	Imaging the halogen bond in self-assembled halogenbenzenes on silver. Science, 2017, 358, 206-210.	12.6	150
308	Noble gas bond and the behaviour of XeO ₃ under pressure. Physical Chemistry Chemical Physics, 2017, 19, 27463-27467.	2.8	15
309	Synthesis and in vitro evaluation of novel N-cycloalkylcarbamates as potential cholinesterase inhibitors. Monatshefte FÃ1⁄4r Chemie, 2017, 148, 2143-2153.	1.8	3
310	Discovering proteinâ^'ligand chalcogen bonding in the protein data bank using endocyclic sulfur-containing heterocycles as ligand search subsets. Journal of Molecular Modeling, 2017, 23, 287.	1.8	15
311	Frustrated Lewis Trios and Longâ€Range Hole Interactions: A Combined Structural and Theoretical Study of LBâ^'AX ₃ 333	ystems. Cl	hemoPhysChe

#	ARTICLE	IF	CITATIONS
312	Ph(R)IFâ< HF (R = Me, Et, i Pr, t Bu) interaction: A strong hydrogen bond between hypervalent iodine compounds and HF. Computational and Theoretical Chemistry, 2017, 1118, 45-52.	2.5	2
313	Investigating the Structure Directing Properties of Designer 1,8-Naphthalimide and Amphiphilic Sulfonate Anions and Their Fe ^{III} Thiosemicarbazone Complexes. Crystal Growth and Design, 2017, 17, 5129-5144.	3.0	14
314	Asymmetric Hydrogenation of Isoquinolines and Pyridines Using Hydrogen Halide Generated in Situ as Activator. Organic Letters, 2017, 19, 4988-4991.	4.6	59
315	Novel multi-analyte responsive ionic supramolecular gels based on pyridinium functionalized-naphthalimide. Soft Matter, 2017, 13, 7360-7364.	2.7	25
316	Engaging the Terminal: Promoting Halogen Bonding Interactions with Uranyl Oxo Atoms. Chemistry - A European Journal, 2017, 23, 15355-15369.	3.3	46
317	Noncovalent Halogen Bonding as a Mechanism for Gas-Phase Clustering. Journal of the American Society for Mass Spectrometry, 2017, 28, 2209-2216.	2.8	3
318	Gas phase hydration of halogenated benzene cations. Is it hydrogen or halogen bonding?. Physical Chemistry Chemical Physics, 2017, 19, 18603-18611.	2.8	6
319	Competition and selectivity in supramolecular synthesis: structural landscape around 1-(pyridylmethyl)-2,2′-biimidazoles. Faraday Discussions, 2017, 203, 371-388.	3.2	17
320	Exploring the construction of multicompartmental micelles by halogen bonding of complementary macromolecules. Faraday Discussions, 2017, 203, 285-299.	3.2	12
321	Using one halogen bond to change the nature of a second bond in ternary complexes with Pâ⊄Cl and Fâ⊄Cl halogen bonds. Faraday Discussions, 2017, 203, 29-45.	3.2	17
322	The potential of pnicogen bonding for catalysis – a computational study. Organic and Biomolecular Chemistry, 2017, 15, 8037-8045.	2.8	40
323	Solvent-Selective Reactions of Alkyl Iodide with Sodium Azide for Radical Generation and Azide Substitution and Their Application to One-Pot Synthesis of Chain-End-Functionalized Polymers. Journal of the American Chemical Society, 2017, 139, 10551-10560.	13.7	69
324	On Atomsâ€inâ€Molecules Energies from Kohn–Sham Calculations. ChemPhysChem, 2017, 18, 2675-2687.	2.1	29
325	Comparative study of non-covalent interactions between cationic N-phenylviologens and halides by electrochemistry and NMR: the halogen bonding effect. Faraday Discussions, 2017, 203, 301-313.	3.2	12
326	Toward a reverse hierarchy of halogen bonding between bromine and iodine. Faraday Discussions, 2017, 203, 389-406.	3.2	35
327	Interactions between haloperfluorobenzenes and fluoranthene in luminescent cocrystals from ï€-holeâ<ï€ to ïƒ-holeâ<ï€ bonds. CrystEngComm, 2017, 19, 5058-5067.	2.6	40
328	Halogen-Bonding, Isomorphism, Polymorphism, and Kinetics of Enclathration in Host–Guest Compounds. Crystal Growth and Design, 2017, 17, 4647-4654.	3.0	3
329	Extending the Ïf-Hole Concept to Metals: An Electrostatic Interpretation of the Effects of Nanostructure in Gold and Platinum Catalysis. Journal of the American Chemical Society, 2017, 139, 11012-11015.	13.7	136

#	Article	IF	CITATIONS
330	A Direct Link from the Gas to the Condensed Phase: A Rotational Spectroscopic Study of 2,2,2â€Trifluoroethanol Trimers. Angewandte Chemie, 2017, 129, 6386-6390.	2.0	31
331	Evidence and isolation of tetrahedral intermediates formed upon the addition of lithium carbenoids to Weinreb amides and N-acylpyrroles. Chemical Communications, 2017, 53, 9498-9501.	4.1	52
332	Halogen-bonded solvates of tetrahaloethynyl cavitands. CrystEngComm, 2017, 19, 5223-5229.	2.6	9
333	Linear Ïf-holeâ⊄C Oâ⊄Ïf-hole intermolecular interactions between carbon monoxide and dihalogen molecules XY (X, Y = Cl, Br). Journal of Molecular Graphics and Modelling, 2017, 76, 419-428.	2.4	6
334	Halogen bonded cocrystals of active pharmaceutical ingredients: pyrazinamide, lidocaine and pentoxifylline in combination with haloperfluorinated compounds. CrystEngComm, 2017, 19, 5293-5299.	2.6	29
335	Direct Experimental Evidence for Halogen–Aryl Ï€â€Interactions in Solution from Molecular Torsion Balances. Angewandte Chemie, 2017, 129, 6554-6558.	2.0	3
336	Comparing Strong and Weak Halogen Bonding in Solution: ¹³ C NMR, UV/Vis, Crystallographic, and Computational Studies of an Intramolecular Model. European Journal of Organic Chemistry, 2017, 2017, 5739-5749.	2.4	9
337	Enantioselective Anion Recognition by Chiral Halogen-Bonding [2]Rotaxanes. Journal of the American Chemical Society, 2017, 139, 12228-12239.	13.7	110
338	Halogen-bonding contacts determining the crystal structure and fluorescence properties of organic salts. New Journal of Chemistry, 2017, 41, 9444-9452.	2.8	4
339	Polymerbasierte Halogenbrückendonoren mit selbstheilenden Eigenschaften in Filmen. Angewandte Chemie, 2017, 129, 4105-4110.	2.0	14
340	Synthesis, Characterisation and Hydrogen Bonding of Isostructural Group 10 Metal Halido Complexes Bearing a POCOP Ligand. European Journal of Inorganic Chemistry, 2017, 2017, 3815-3822.	2.0	25
341	Possible Case of Halogen Bondâ€Driven Selfâ€Disproportionation of Enantiomers (SDE) via Achiral Chromatography. Chemistry - A European Journal, 2017, 23, 14631-14638.	3.3	16
342	<i>N</i> â€Arylâ€9,10â€phenanthreneimines as Scaffolds for Exploring Noncovalent Interactions: A Structural and Computational Study. European Journal of Organic Chemistry, 2017, 2017, 5597-5609.	2.4	3
343	Dispersion and Halogen-Bonding Interactions: Binding of the Axial Conformers of Monohalo- and (±)- <i>trans</i> -1,2-Dihalocyclohexanes in Enantiopure Alleno-Acetylenic Cages. Journal of the American Chemical Society, 2017, 139, 12190-12200.	13.7	25
344	Single-Step Synthesis of Iodinated Oxazoles from <i>N</i> -Propargyl Amides Mediated by I ₂ /Iodosylbenzene/Trimethylsilyl Trifluoromethanesulfonate Systems. Journal of Organic Chemistry, 2017, 82, 11859-11864.	3.2	27
345	Nucleophilicity and electrophilicity of the C(sp ³)–H bond: methane and ethane binary complexes with iodine. Physical Chemistry Chemical Physics, 2017, 19, 24555-24565.	2.8	3
346	Tridentate C–lâ<¯O ^{â^'} –N ⁺ halogen bonds. CrystEngComm, 2017, 19, 4960-4963.	2.6	12
347	Co-crystallization of 1,3,5-trifluoro-2,4,6-triiodobenzene (1,3,5-TFTIB) with a variety of Lewis bases through halogen-bonding interactions. CrystEngComm, 2017, 19, 5504-5521.	2.6	21

#	Article	IF	CITATIONS
348	Development of a pharmacophore for cruzain using oxadiazoles as virtual molecular probes: quantitative structure–activity relationship studies. Journal of Computer-Aided Molecular Design, 2017, 31, 801-816.	2.9	9
349	Quantitative investigation of C–Hâ<ī€ and other intermolecular interactions in a series of crystalline N-(substituted phenyl)-2-naphthamide derivatives. CrystEngComm, 2017, 19, 5473-5491.	2.6	13
350	Influence of Multidirectional Interactions on Domain Size and Shape of 2-D Molecular Assemblies. Langmuir, 2017, 33, 9151-9159.	3.5	7
351	α-Perfluoroalkyl-β-alkynylation of alkenes via radical alkynyl migration. Chemical Science, 2017, 8, 6888-6892.	7.4	129
352	2,2-Diiododimedone: a mild electrophilic iodinating agent for the selective synthesis of α-iodoketones from allylic alcohols. Chemical Communications, 2017, 53, 9842-9845.	4.1	12
353	Solute–Solvent Interactions and Excited-State Symmetry Breaking: Beyond the Dipole–Dipole and the Hydrogen-Bond Interactions. Journal of Physical Chemistry Letters, 2017, 8, 3927-3932.	4.6	78
354	Modern level for properties prediction of iodine-containing organic compounds: the halogen bonds formed by iodine. Russian Chemical Bulletin, 2017, 66, 1345-1356.	1.5	20
355	14. Solute–solvent interactions mediated by main group element(lone-pair)···π(aryl) interactions. , 2017, , 320-342.		1
356	Systematic Coupled Cluster Study of Noncovalent Interactions Involving Halogens, Chalcogens, and Pnicogens. Journal of Physical Chemistry A, 2017, 121, 9544-9556.	2.5	72
357	Probing halogen–halogen interactions in solution. Physical Chemistry Chemical Physics, 2017, 19, 32443-32450.	2.8	12
358	Role of halogenâ< halogen interactions in the 2D crystallization of n-semiconductors at the liquid–solid interface. Physical Chemistry Chemical Physics, 2017, 19, 31540-31544.	2.8	14
359	Modeling Halogen Bonds in Ionic Liquids: A Force Field for Imidazolium and Halo-Imidazolium Derivatives. Journal of Chemical Theory and Computation, 2017, 13, 6167-6176.	5.3	10
360	Manipulating organic triplet harvesting in regioisomeric microcrystals. Journal of Materials Chemistry C, 2017, 5, 12547-12552.	5.5	24
361	Matrix-isolation and comparative far-IR investigation of free linear [Cl ₃] ^{â^'} and a series of alkali trichlorides. Chemical Communications, 2017, 53, 12958-12961.	4.1	21
362	Assembling Halogen-Bonded Capsules via Cation Exchange. CheM, 2017, 3, 715-716.	11.7	0
363	Inorganic benzenes as the noncovalent interaction donor: a study of the π-hole interactions. Journal of Molecular Modeling, 2017, 23, 335.	1.8	2
364	On the structure of the P-iodo-, bromo- and chloro-bis(imino)phosphoranes: A DFT study. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 895-901.	0.7	0
365	On the opposite trends of correlations between interaction energies and electrostatic potentials of chlorinated and methylated amine complexes stabilized by halogen bond. Theoretical Chemistry Accounts, 2017, 136, 1.	1.4	14

#	Article	IF	CITATIONS
366	A Large Family of Halogen-Bonded Cocrystals Involving Metal–Organic Building Blocks with Open Coordination Sites. Crystal Growth and Design, 2017, 17, 6169-6173.	3.0	42
367	Enhancing Intramolecular Chalcogen Interactions in 1-Hydroxy-8-YH-naphthalene Derivatives. Journal of Physical Chemistry A, 2017, 121, 8995-9003.	2.5	11
368	Crystal structure of halogen-bonded 2-chloro-1,10-phenanthroline—1,4-diiodotetrafluorobenzene (2/1), C ₃₀ H ₁₄ Cl ₂ F ₄ I ₂ N ₄ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2017, 232, 323-324.	0.3	2
369	Ultrahigh-Field 25Mg NMR and DFT Study of Magnesium Borate Minerals. ACS Earth and Space Chemistry, 2017, 1, 299-309.	2.7	11
370	A quantitative measure of halogen bond activation in cocrystallization. Physical Chemistry Chemical Physics, 2017, 19, 18383-18388.	2.8	14
371	Self-Assembly of Iodine in Superfluid Helium Droplets: Halogen Bonds and Nanocrystals. Angewandte Chemie, 2017, 129, 3595-3599.	2.0	2
372	Towards the liquid phase exfoliation of bismuth iodide. Dalton Transactions, 2017, 46, 8359-8362.	3.3	6
373	The Ambivalent Nature of Halogenated Tropone Derivatives: Dihalocycloheptatriene vs. Halotropylium Halide. European Journal of Organic Chemistry, 2017, 2017, 4255-4259.	2.4	5
374	Role of halogen and hydrogen bonds for stabilization of antithyroid drugs with hypohalous acids (HOX, XÂ=ÂI, Br, and Cl) adducts. Journal of Molecular Structure, 2017, 1147, 643-650.	3.6	10
375	Kinetic assembly of coordination networks. Chemical Communications, 2017, 53, 8818-8829.	4.1	24
376	Organic selenocyanates as strong and directional chalcogen bond donors for crystal engineering. Chemical Communications, 2017, 53, 8467-8469.	4.1	59
377	Do Halogen–Hydrogen Bond Donor Interactions Dominate the Favorable Contribution of Halogens to Ligand–Protein Binding?. Journal of Physical Chemistry B, 2017, 121, 6813-6821.	2.6	85
378	Transuranic Hybrid Materials: Crystallographic and Computational Metrics of Supramolecular Assembly. Journal of the American Chemical Society, 2017, 139, 10843-10855.	13.7	58
379	The nature of intermolecular interactions in pyridinium–anion–β-hexachlorocyclohexane molecular crystals. Physical Chemistry Chemical Physics, 2017, 19, 20691-20698.	2.8	9
380	Spectroscopic study of the charge-transfer complexes TiCl4/styrene and TiCl4/polystyrene. Journal of Molecular Structure, 2017, 1146, 750-754.	3.6	8
381	Halogen bond preferences of thiocyanate ligand coordinated to Ru(II) via sulphur atom. Solid State Sciences, 2017, 71, 8-13.	3.2	1
382	Halogen and chalcogen bonding in dichloromethane solvate of cyclometalated iridium(III) isocyanide complex. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 797-805.	0.8	27
383	Discovery of phenylsulfonyl acetic acid derivatives with improved efficacy and safety as potent free fatty acid receptor 1 agonists for the treatment of type 2 diabetes. European Journal of Medicinal Chemistry, 2017, 138, 458-479.	5.5	31

#	Article	IF	CITATIONS
384	Mechanism of Allosteric Inhibition of the Enzyme IspD by Three Different Classes of Ligands. ACS Chemical Biology, 2017, 12, 2132-2138.	3.4	12
385	Underestimated Halogen Bonds Forming with Protein Backbone in Protein Data Bank. Journal of Chemical Information and Modeling, 2017, 57, 1529-1534.	5.4	19
386	Systematic study of intermolecular C–Xâ∢O S (XÂ=ÂCl, Br, I) halogen bonds in (E)-10-(1,2-dihalovinyl)-10H-phenothiazine 5,5-dioxides. Journal of Molecular Structure, 2017, 1147, 636-642.	3.6	5
387	Anion Recognition Strategies Based on Combined Noncovalent Interactions. Chemical Reviews, 2017, 117, 9907-9972.	47.7	295
388	Modulating the assembly of N-benzylideneaniline by halogen bonding: crystal, cocrystal and liquid crystals. CrystEngComm, 2017, 19, 3801-3807.	2.6	15
389	Fluorination promotes chalcogen bonding in crystalline solids. CrystEngComm, 2017, 19, 4955-4959.	2.6	53
390	Cl⋯Cl and Cl⋯H Interactions in the Chlorinated Hydocarbon 1,1,1,2,2,3,3-Heptachloropropane: A Structural Study. Journal of Chemical Crystallography, 2017, 47, 182-186.	1.1	3
391	[NMe ₄][I ₄ Br ₅]: A new Iodobromide from an Ionic Liquid with Halogen–Halogen Interactions. Chemistry - A European Journal, 2017, 23, 244-249.	3.3	31
392	A study of hierarchy of hydrogen and halogen bonds in the molecular complexes of 4-iodophenol with various aza-donor compounds. Journal of Molecular Structure, 2017, 1130, 251-263.	3.6	1
393	Halogen bonded Borromean networks by design: topology invariance and metric tuning in a library of multi-component systems. Chemical Science, 2017, 8, 1801-1810.	7.4	35
394	Oxoanion binding to a cyclic pseudopeptide containing 1,4-disubstituted 1,2,3-triazole moieties. Organic and Biomolecular Chemistry, 2017, 15, 102-113.	2.8	30
395	Characterization of non-classical C Brâ√ï€ interactions in (E)-1,3-dibromo-5-(2-(ferrocenyl)vinyl)benzene and related derivatives of ferrocene. Journal of Molecular Structure, 2017, 1131, 16-24.	3.6	7
396	A Halogen Bonding 1,3â€Disubstituted Ferrocene Receptor for Recognition and Redox Sensing of Azide. European Journal of Inorganic Chemistry, 2017, 2017, 220-224.	2.0	46
397	Inorganic bromine in organic molecular crystals: Database survey and four case studies. Journal of Molecular Structure, 2017, 1128, 400-409.	3.6	10
398	Non-covalent interactions in the synthesis of coordination compounds: Recent advances. Coordination Chemistry Reviews, 2017, 345, 54-72.	18.8	250
399	Design, synthesis and DNA-binding study of some novel morpholine linked thiazolidinone derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 270-278.	3.9	42
400	pH controlled assembly of a self-complementary halogen-bonded dimer. Chemical Science, 2017, 8, 938-945.	7.4	23
401	Tribenzyltin carboxylates as anticancer drug candidates: Effect on the cytotoxicity, motility and invasiveness of breast cancer cell lines. European Journal of Medicinal Chemistry, 2017, 125, 770-783.	5.5	26

#	Article	IF	CITATIONS
402	On the molecular and supramolecular properties of N,N′-disubstituted iminoisoindolines: Synthesis, spectroscopy, X-ray structure and Hirshfeld surface analyses, and DFT calculations of two (E)-N,N′-bis(aryl)iminoisoindolines (arylÂ=Â2-tert-butylphenyl or perfluorophenyl). Journal of Molecular Structure, 2017, 1130, 165-173.	3.6	39
403	PVDF/PAN Blend Membrane: Preparation, Characterization and Fouling Analysis. Journal of Polymers and the Environment, 2017, 25, 1348-1358.	5.0	21
404	On the role of charge transfer in halogen bonding. Physical Chemistry Chemical Physics, 2017, 19, 791-803.	2.8	85
405	Molecular structures and intramolecular dynamics of pentahalides. Journal of Molecular Structure, 2017, 1132, 109-138.	3.6	2
406	Wetting angles of monovalent indium iodide on different substrates. Crystal Research and Technology, 2017, 52, 1600179.	1.3	1
407	Experimental observation of charge-shift bond in fluorite CaF ₂ . Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 643-653.	1.1	8
408	Self-assembly of conducting cocrystals via iodineâ< ï€(Cp) interactions. CrystEngComm, 2017, 19, 5114-5121.	2.6	17
409	Polymorphism of a widely used building block for halogen-bonded assemblies: 1,3,5-trifluoro-2,4,6-triiodobenzene. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 667-673.	0.5	4
410	Spectroscopic detection of halogen bonding resolves dye regeneration in the dye-sensitized solar cell. Nature Communications, 2017, 8, 1761.	12.8	35
411	Color-tunable phosphorescence of 1,10-phenanthrolines by 4,7-methyl/-diphenyl/-dichloro substituents in cocrystals assembled <i>via</i> bifurcated Câ€"1N halogen bonds using 1,4-diiodotetrafluorobenzene as a bonding donor. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials 2017, 73, 247,254	1.1	20
412	Halogen bonds and π–π interactions in the crystal structure of 1,3,5-trifluoro-2,4,6-triiodobenzene– <i>N</i> , <i>N</i> dimethylformamide (1/1), C ₉ H ₇ F ₃ I ₃ NO. Zeitschrift Fur Kristallographie - New Crystal Structures, 2017, 232, 937-938.	0.3	1
413	10. The salt–co-crystal continuum in halogen-bonded systems. , 2017, , 237-254.		0
414	12. Simultaneous halogen and hydrogen bonding to carbonyl and thiocarbonyl functionality. , 2017, , 272-288.		0
415	Making crystals with a purpose; a journey in crystal engineering at the University of Bologna. IUCrJ, 2017, 4, 369-379.	2.2	40
416	Two 8-Hydroxyquinolinate Based Supramolecular Coordination Compounds: Synthesis, Structures and Spectral Properties. Materials, 2017, 10, 313.	2.9	7
417	Characterization of Halogen Bonded Adducts in Solution by Advanced NMR Techniques. Magnetochemistry, 2017, 3, 30.	2.4	13
418	Surface-Relief Gratings in Halogen-Bonded Polymer–Azobenzene Complexes: A Concentration-Dependence Study. Molecules, 2017, 22, 1844.	3.8	11
419	Multicenter (FX)n/NH3 Halogen Bonds (X = Cl, Br and n = 1–5). QTAIM Descriptors of the Strength of the Xâ^™â^™N Interaction. Molecules, 2017, 22, 2034.	3.8	15

#	Article	IF	CITATIONS
420	Connectivity and Topology Invariance in Self-Assembled and Halogen-Bonded Anionic (6,3)-Networks. Molecules, 2017, 22, 2060.	3.8	1
421	The Role of Halogen Bonding in Controlling Assembly and Organization of Cu(II)-Acac Based Coordination Complexes. Crystals, 2017, 7, 226.	2.2	25
422	The Influence of Liquid on the Outcome of Halogen-Bonded Metal–Organic Materials Synthesis by Liquid Assisted Grinding. Crystals, 2017, 7, 363.	2.2	11
423	On the Importance of Halogen–Halogen Interactions in the Solid State of Fullerene Halides: A Combined Theoretical and Crystallographic Study. Crystals, 2017, 7, 191.	2.2	17
424	Halogen and Hydrogen Bonding in Multicomponent Crystals of Tetrabromo-1H-Benzotriazole. Crystals, 2017, 7, 332.	2.2	6
425	Halogen bonding in hypervalent iodine and bromine derivatives: halonium salts. IUCrJ, 2017, 4, 411-419.	2.2	80
426	Isomorphous crystal structures of chlorodiacetylene and iododiacetylene derivatives: simultaneous hydrogen and halogen bonds on carbonyl. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1175-1179.	0.5	3
427	The Interplay between Various σ- and π-Hole Interactions of Trigonal Boron and Trigonal Pyramidal Arsenic Triiodides. Crystals, 2017, 7, 225.	2.2	6
428	Solvation Effects in Supramolecular Chemistry. , 2017, , 11-60.		10
429	Electrochemically Controlled Supramolecular Switches and Machines. , 2017, , 343-368.		3
430	Halogen-Bonded Cocrystals. , 2017, , 49-72.		1
431	Strength and Character of R–X···Ĩ€ Interactions Involving Aromatic Amino Acid Sidechains in Protein-Ligand Complexes Derived from Crystal Structures in the Protein Data Bank. Crystals, 2017, 7, 273.	2.2	15
432	Mechanisms in Iodine Catalysis. Chemistry - A European Journal, 2018, 24, 9187-9199.	3.3	140
433	Pnicogen and chalcogen bonds in cyclometalated iridium(III) complexes. Inorganica Chimica Acta, 2018, 477, 31-33.	2.4	5
434	Structural preferences in strong anion–π and halogen-bonded complexes: π- and σ-holes <i>vs.</i> frontier orbitals interaction. New Journal of Chemistry, 2018, 42, 10572-10583.	2.8	19
435	Controlling the spin state of diphenylcarbene via halogen bonding: A theoretical study. International Journal of Quantum Chemistry, 2018, 118, e25616.	2.0	4
436	Chalcogen bonding interactions in organic selenocyanates: from cooperativity to chelation. New Journal of Chemistry, 2018, 42, 10502-10509.	2.8	34
437	Supramolecular architectures in cytosinium 6-chloronicotinate monohydrate and 5-bromo-6-methylisocytosinium hydrogen sulfate. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 325-331	0.5	Ο

#	Article	IF	CITATIONS
438	Discovery of Benzimidazole–Quinolone Hybrids as New Cleaving Agents toward Drugâ€Resistant <i>Pseudomonas aeruginosa</i> DNA. ChemMedChem, 2018, 13, 1004-1017.	3.2	45
439	Implications of monomer deformation for tetrel and pnicogen bonds. Physical Chemistry Chemical Physics, 2018, 20, 8832-8841.	2.8	67
440	Halogen Bond Catalyzed Bromocarbocyclization. Angewandte Chemie, 2018, 130, 3541-3545.	2.0	14
441	Lanthanide-Based Coordination Polymers with a 4,5-Dichlorophthalate Ligand Exhibiting Highly Tunable Luminescence: Toward Luminescent Bar Codes. Inorganic Chemistry, 2018, 57, 3399-3410.	4.0	61
442	Experimental and Theoretical Investigation of Structures, Stoichiometric Diversity, and Bench Stability of Cocrystals with a Volatile Halogen Bond Donor. Crystal Growth and Design, 2018, 18, 2387-2396.	3.0	19
443	Site specificity of halogen bonding involving aromatic acceptors. Physical Chemistry Chemical Physics, 2018, 20, 8685-8694.	2.8	19
444	Concerning the mechanism of iodine(<scp>iii</scp>)-mediated oxidative dearomatization of phenols. Organic and Biomolecular Chemistry, 2018, 16, 2324-2329.	2.8	27
445	Halogenâ€Bondâ€Promoted αâ€Câ^'H Amination of Ethers for the Synthesis of Hemiaminal Ethers. Advanced Synthesis and Catalysis, 2018, 360, 1761-1767.	4.3	30
446	Halides Held by Bifurcated Chalcogen–Hydrogen Bonds. Effect of μ _(S,N–H) Cl Contacts on Dimerization of Cl(carbene)Pd ^{II} Species. Inorganic Chemistry, 2018, 57, 3420-3433.	4.0	66
447	GAtor: A First-Principles Genetic Algorithm for Molecular Crystal Structure Prediction. Journal of Chemical Theory and Computation, 2018, 14, 2246-2264.	5.3	86
448	Quantum calculations of At-mediated halogen bonds: on the influence of relativistic effects. New Journal of Chemistry, 2018, 42, 10510-10517.	2.8	25
449	Halogenâ€Bondâ€Mediated Assembly of a Singleâ€Component Supramolecular Triangle and an Enantiomeric Pair of Double Helices from 2â€(Iodoethynyl)pyridine Derivatives. Angewandte Chemie - International Edition, 2018, 57, 4986-4990.	13.8	33
450	Organometallic halogen bond acceptors: directionality, hybrid cocrystal precipitation, and blueshifted CO ligand vibrational band. CrystEngComm, 2018, 20, 2258-2266.	2.6	36
451	Halogen-bond driven self-assembly of triangular macrocycles. New Journal of Chemistry, 2018, 42, 10467-10471.	2.8	22
452	Halogen bonds in 2,5-dihalopyridine-copper(<scp>ii</scp>) chloride complexes. CrystEngComm, 2018, 20, 1954-1959.	2.6	20
453	From Molecules to Materials: Engineering New Ionic Liquid Crystals Through Halogen Bonding. Journal of Visualized Experiments, 2018, , .	0.3	2
454	Aggregation-Induced Emission-Active Ruthenium(II) Complex of 4,7-Dichloro Phenanthroline for Selective Luminescent Detection and Ribosomal RNA Imaging. ACS Applied Materials & Interfaces, 2018, 10, 14356-14366.	8.0	53
455	Selective Synthesis of Perfluoroalkylated Corannulenes and Investigation of their Structural, Dynamic and Electrochemical Behavior. Chemistry - A European Journal, 2018, 24, 10756-10765.	3.3	6

#	Article	IF	CITATIONS
456	A Computational Study of Chalcogenâ€containing H 2 X…YF and (CH 3) 2 X…YF (X=O, S, Se; Y=F, Cl, H) and Pnicogenâ€containing H 3 X′…YF and (CH 3) 3 X′…YF (X′=N, P, As) Complexes. ChemPhysChem, 201 1756-1765.	18,119,	18
457	A pyrrole-containing cleft-type halogen bonding receptor for oxoanion recognition and sensing in aqueous solvent media. New Journal of Chemistry, 2018, 42, 10472-10475.	2.8	23
458	Halogen bonding two-point recognition with terphenyl derivatives. New Journal of Chemistry, 2018, 42, 10476-10480.	2.8	17
459	Halogen bonding from the bonding perspective with considerations for mechanisms of thyroid hormone activation and inhibition. New Journal of Chemistry, 2018, 42, 10623-10632.	2.8	28
460	May halogen bonding interactions compete with Cuâ‹ Cl semi-coordinate bonds? Structural, magnetic and theoretical studies of two polymorphs of <i>trans</i> -bis(5-bromo-2-chloro) Tj ETQq0 0 0 rgBT /Overlock 10 T <i>trans</i> -bis(2,5-dichloropyridine)dichlorocopper(<scp>ii</scp>). New Journal of Chemistry, 2018,	f 50 587 1 2.8	Гd (pyridine) 31
461	42, 10642-10650. Halogenâ€Bondâ€Mediated Assembly of a Singleâ€Component Supramolecular Triangle and an Enantiomeric Pair of Double Helices from 2â€(Iodoethynyl)pyridine Derivatives. Angewandte Chemie, 2018, 130, 5080-5084.	2.0	12
462	The role of charge in 1,2,3-triazol(ium)-based halogen bonding activators. Chemical Communications, 2018, 54, 4013-4016.	4.1	71
463	Catalysis with Pnictogen, Chalcogen, and Halogen Bonds. Angewandte Chemie - International Edition, 2018, 57, 5408-5412.	13.8	286
464	Evidence for anion-binding of all- <i>cis</i> hexafluorocyclohexane in solution and solid state. Chemical Communications, 2018, 54, 4353-4355.	4.1	20
465	The role of different nonspecific interactions and halogen contacts in the crystal structure organization of 5-chloroisatoic anhydride. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 372-380.	0.5	2
466	Halogen Bonds in Square Planar 2,5â€Dihalopyridine–Copper(II) Bromide Complexes. European Journal of Inorganic Chemistry, 2018, 2018, 2393-2398.	2.0	17
467	Cooperative halogen bonding and polarized π-stacking in the formation of coloured charge-transfer co-crystals. New Journal of Chemistry, 2018, 42, 10615-10622.	2.8	8
468	Tuning the structural and spectroscopic properties of donor–acceptor–donor oligomers <i>via</i> mutual X-bonding, H-bonding, and π–̀ interactions. Journal of Materials Chemistry C, 2018, 6, 11992-12000.	5.5	17
469	Evolutionary niching in the GAtor genetic algorithm for molecular crystal structure prediction. Faraday Discussions, 2018, 211, 61-77.	3.2	13
470	Catalysis with Pnictogen, Chalcogen, and Halogen Bonds. Angewandte Chemie, 2018, 130, 5506-5510.	2.0	95
471	Molecular Recognition with Resorcin[4]arene Cavitands: Switching, Halogen-Bonded Capsules, and Enantioselective Complexation. Journal of the American Chemical Society, 2018, 140, 2705-2717.	13.7	113
472	Identifying Different Halogenâ€∦Hydrogenâ€Bonding Interaction Modes in Binary Systems that Contain an Acetate Ionic Liquid and Various Halobenzenes. ChemPhysChem, 2018, 19, 1030-1040.	2.1	9
473	Direct <i>N</i> â€Glycofunctionalization of Amides with Glycosyl Trichloroacetimidate by Thiourea/Halogen Bond Donor Coâ€Catalysis. Angewandte Chemie - International Edition, 2018, 57, 3646-3650.	13.8	77

#	APTICI F	IF	CITATIONS
474	Interlocked Supramolecular Polymers Created by Combination of Halogen- and Hydrogen-Bonding Interactions through Anion-Template Self-Assembly. Journal of the American Chemical Society, 2018,	13.7	55
475	140, 2041-2045. Probing halogenâ< Thalogen interactions <i>via</i> thermal expansion analysis. CrystEngComm, 2018, 20, 1769-1773.	2.6	15
476	Intermolecular and very strong intramolecular C–Seâ‹⁻O/N chalcogen bonds in nitrophenyl selenocyanate crystals. Physical Chemistry Chemical Physics, 2018, 20, 5227-5234.	2.8	28
477	Iod(III)â€Verbindungen als Halogenbrückenkatalysatoren. Angewandte Chemie, 2018, 130, 3892-3896.	2.0	39
478	Halogen-Rich Minerals: Crystal Chemistry and Geological Significances. Springer Geochemistry, 2018, , 123-184.	0.1	8
479	The X40×10 Halogen Bonding Benchmark Revisited: Surprising Importance of (<i>n</i> –1)d Subvalence Correlation. Journal of Physical Chemistry A, 2018, 122, 2184-2197.	2.5	34
480	Bromination and iodination of diphosphane dichalcogenides. Dalton Transactions, 2018, 47, 2748-2758.	3.3	6
481	Nature of MoH···I bonds in Cp ₂ Mo(L)H···I ≡Câ€R Complexes (L=H, CN, PPh _{2Applied Organometallic Chemistry, 2018, 32, e4258.}	ub>,) Tj ET 3.5	Qq1 1 0.784 4
482	Directed Molecular Structure Variations of Three-Dimensional Halogen-Bonded Organic Frameworks (XBOFs). Crystal Growth and Design, 2018, 18, 1967-1977.	3.0	26
483	Halogenbrücken in Lösung: Anionenerkennung, Templatâ€gestützte Selbstorganisation und Organokatalyse. Angewandte Chemie, 2018, 130, 6110-6123.	2.0	54
484	Halogen Bonding in Solution: Anion Recognition, Templated Selfâ€Assembly, and Organocatalysis. Angewandte Chemie - International Edition, 2018, 57, 6004-6016.	13.8	209
485	Halogen Bond Catalyzed Bromocarbocyclization. Angewandte Chemie - International Edition, 2018, 57, 3483-3487.	13.8	86
486	Direct <i>N</i> â€Glycofunctionalization of Amides with Glycosyl Trichloroacetimidate by Thiourea/Halogen Bond Donor Co atalysis. Angewandte Chemie, 2018, 130, 3708-3712.	2.0	22
487	Formation of Linear Sideâ€Chain Polypseudorotaxane with Supramolecular Polymer Backbone through Neutral Halogen Bonds and Pillar[5]areneâ€Based Host–Guest Interactions. Chemistry - A European Journal, 2018, 24, 4264-4267.	3.3	40
488	A Chiral Halogenâ€Bonding [3]Rotaxane for the Recognition and Sensing of Biologically Relevant Dicarboxylate Anions. Angewandte Chemie, 2018, 130, 593-597.	2.0	35
489	Complex supramolecular interfacial tessellation through convergent multi-step reaction of a dissymmetric simple organic precursor. Nature Chemistry, 2018, 10, 296-304.	13.6	68
490	Polarizable Empirical Force Field for Halogen-Containing Compounds Based on the Classical Drude Oscillator. Journal of Chemical Theory and Computation, 2018, 14, 1083-1098.	5.3	38
491	Iodine(III) Derivatives as Halogen Bonding Organocatalysts. Angewandte Chemie - International Edition, 2018, 57, 3830-3833.	13.8	165

#	Article	IF	CITATIONS
492	Supramolecular design principles for efficient photoresponsive polymer–azobenzene complexes. Journal of Materials Chemistry C, 2018, 6, 2168-2188.	5.5	94
493	Species-Selective Pyrimidineamine Inhibitors of <i>Trypanosoma brucei S</i> -Adenosylmethionine Decarboxylase. Journal of Medicinal Chemistry, 2018, 61, 1182-1203.	6.4	13
494	On the σ, Ï€ and Î′ hole interactions: a molecular orbital overview. New Journal of Chemistry, 2018, 42, 1413-1422.	2.8	72
495	Loose crystals engineered by mismatched halogen bonds in hexachloroethane. CrystEngComm, 2018, 20, 328-333.	2.6	5
496	Photochemically and Thermally Driven Fullâ€Color Reflection in a Selfâ€Organized Helical Superstructure Enabled by a Halogenâ€Bonded Chiral Molecular Switch. Angewandte Chemie, 2018, 130, 1643-1647.	2.0	28
497	Photochemically and Thermally Driven Fullâ€Color Reflection in a Selfâ€Organized Helical Superstructure Enabled by a Halogenâ€Bonded Chiral Molecular Switch. Angewandte Chemie - International Edition, 2018, 57, 1627-1631.	13.8	131
498	Bamboo-like Chained Cavities and Other Halogen-Bonded Complexes from Tetrahaloethynyl Cavitands with Simple Ditopic Halogen Bond Acceptors. Crystal Growth and Design, 2018, 18, 513-520.	3.0	17
499	Halogen-Adatom Mediated Phase Transition of Two-Dimensional Molecular Self-Assembly on a Metal Surface. Langmuir, 2018, 34, 553-560.	3.5	18
500	Testing the limits of halogen bonding in coordination chemistry. CrystEngComm, 2018, 20, 539-549.	2.6	27
501	Effects of Supramolecular Architecture on Halogen Bonding between Diiodine and Heteroaromatic <i>N-</i> Oxides. Crystal Growth and Design, 2018, 18, 1198-1207.	3.0	22
502	Close contacts involving germanium and tin in crystal structures: experimental evidence of tetrel bonds. Journal of Molecular Modeling, 2018, 24, 37.	1.8	42
503	Effect of geometry factors on the priority of σ-holeâ‹Ĩ€ and Ï€-holeâ‹Ï€ bond in phosphorescent cocrystals formed by pyrene or phenanthrene and trihaloperfluorobenzenes. New Journal of Chemistry, 2018, 42, 10633-10641.	2.8	22
504	Redox reactive (RNC)Cu ^{II} species stabilized in the solid state via halogen bond with I ₂ . Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 371-377.	0.8	40
505	Halogen Bonding of <i>N</i> Bromophthalimide by Grinding and Solution Crystallization. Crystal Growth and Design, 2018, 18, 1182-1190.	3.0	21
506	Improvement of Anion Transport Systems by Modulation of Chalcogen Interactions: The influence of solvent. Journal of Physical Chemistry A, 2018, 122, 1369-1377.	2.5	35
507	Synthesis, structural analysis, and supramolecular assembly of a series of <i>in situ</i> generated uranyl–peroxide complexes with functionalized 2,2′-bipyridine and varied carboxylic acid ligands. New Journal of Chemistry, 2018, 42, 1816-1831.	2.8	12
508	Structureâ€Packingâ€Property Correlation of Selfâ€Sorted Versus Interdigitated Assembly in TTFâ‹TCNQâ€Base Chargeâ€Transport Materials. Chemistry - A European Journal, 2018, 24, 12318-12329.	ed 3.3	21
509	Competition between hydrogen bonds and halogen bonds: a structural study. New Journal of Chemistry, 2018, 42, 10539-10547.	2.8	26

#	Article	IF	CITATIONS
510	Behaviour of the XH-*-ï€ and YX-*-ï€ interactions (X, Y = F, Cl, Br and I) in the coronene ï€-system, as elucidated by QTAIM dual functional analysis with QC calculations. RSC Advances, 2018, 8, 16349-16361.	3.6	3
511	Speeding up the extraction of hexabromocyclododecane enantiomers in soils and sediments based on halogen bonding. Analytica Chimica Acta, 2018, 1027, 47-56.	5.4	21
512	Revealing Factors Influencing the Fluorineâ€Centered Nonâ€Covalent Interactions in Some Fluorineâ€Substituted Molecular Complexes: Insights from Firstâ€Principles Studies. ChemPhysChem, 2018, 19, 1486-1499.	2.1	21
513	Comparison of isomeric <i>meta</i> - and <i>para</i> -diiodotetrafluorobenzene as halogen bond donors in crystal engineering. New Journal of Chemistry, 2018, 42, 10584-10591.	2.8	42
514	Halogen in materials design: Revealing the nature of hydrogen bonding and other non-covalent interactions in the polymorphic transformations of methylammonium lead tribromide perovskite. Materials Today Chemistry, 2018, 9, 1-16.	3.5	33
515	Disulfuryl Dichloride ClSO ₂ OSO ₂ Cl: A Conformation and Polymorphism Chameleon. Chemistry - A European Journal, 2018, 24, 10409-10421.	3.3	4
516	^{79/81} Br nuclear quadrupole resonance spectroscopic characterization of halogen bonds in supramolecular assemblies. Chemical Science, 2018, 9, 4555-4561.	7.4	22
517	Crystal Structure of 2,8-Bis(trifluoromethyl)-4-vinylquinoline. X-ray Structure Analysis Online, 2018, 34, 15-16.	0.2	1
518	Various types of non-covalent interactions contributing towards crystal packing of halogenated diphospha-dicarbaborane with an open pentagonal belt. New Journal of Chemistry, 2018, 42, 10481-10483.	2.8	1
519	Synthesis and characterization of new inhibitors of cholinesterases based on N-phenylcarbamates: In vitro study of inhibitory effect, type of inhibition, lipophilicity and molecular docking. Bioorganic Chemistry, 2018, 78, 280-289.	4.1	8
520	Systematic Experimental and Computational Studies of Substitution and Hybridization Effects in Solid-State Halogen Bonded Assemblies. Crystal Growth and Design, 2018, 18, 3244-3254.	3.0	20
521	Understanding and Improving the Activity of Flavin-Dependent Halogenases via Random and Targeted Mutagenesis. Annual Review of Biochemistry, 2018, 87, 159-185.	11.1	60
522	Metal-Free Iodine-Catalyzed Oxidation of Ynamides and Diaryl Acetylenes into 1,2-Diketo Compounds. Journal of Organic Chemistry, 2018, 83, 4703-4711.	3.2	39
523	Pseudohalide Tectons within the Coordination Sphere of the Uranyl Ion: Experimental and Theoretical Study of C–H···O, C–H···S, and Chalcogenide Noncovalent Interactions. Inorganic Chemistry, 2018, 5 3699-3712.	7,4.0	10
524	Ammonium Salt-Catalyzed Highly Practical <i>Ortho</i> -Selective Monohalogenation and Phenylselenation of Phenols: Scope and Applications. ACS Catalysis, 2018, 8, 4033-4043.	11.2	77
525	Cooperativity between hydrogen- and halogen bonds: the case of selenourea. Physical Chemistry Chemical Physics, 2018, 20, 8506-8514.	2.8	30
526	Anisotropic and amphoteric characteristics of diverse carbenes. Physical Chemistry Chemical Physics, 2018, 20, 13722-13733.	2.8	4
527	Assessing the Significance of Hexafluorobenzene as a Unique Guest Agent through Stacking Interactions in Substituted Ethynylphenyl Benzamides. Crystal Growth and Design, 2018, 18, 3027-3036.	3.0	20

		CITATION REPORT		
#	Article		IF	Citations
528	A three-dimensional cubic halogen-bonded network. Chemical Communications, 2018,	, 54, 3974-3976.	4.1	28
529	Lead-carboxylate/polyiodide hybrids constructed from halogen bonding and asymmetri structures, visible-light-driven photocatalytic properties and enhanced photocurrent re CrystEngComm, 2018, 20, 2245-2252.	c viologen: sponses.	2.6	25
530	Sigma-Hole Interactions in Anion Recognition. CheM, 2018, 4, 731-783.		11.7	280
531	A chiral organic base catalyst with halogen-bonding-donor functionality: asymmetric M reactions of malononitrile with <i>N</i> Boc aldimines and ketimines. Chemical Comm 2018, 54, 3847-3850.	annich unications,	4.1	71
532	Cooperative role of halogen and hydrogen bonding in the stabilization of water adduct molecules. New Journal of Chemistry, 2018, 42, 10603-10614.	s with apolar	2.8	16
533	A healing ionomer crosslinked by a bis-bidentate halogen bond linker: a route to hard a coatings. Polymer Chemistry, 2018, 9, 2193-2197.	nd healable	3.9	24
534	Intermolecular interactions between σ- and π-holes of bromopentafluorobenzene and computational and experimental investigations. Physical Chemistry Chemical Physics, 2 11386-11395.	pyridine: 2018, 20,	2.8	15
535	Self-complementary nickel halides enable multifaceted comparisons of intermolecular l fluoride ligands <i>vs.</i> other halides. Chemical Science, 2018, 9, 3767-3781.	halogen bonds:	7.4	27
536	Experimental and computational evidence of halogen bonds involving astatine. Nature 2018, 10, 428-434.	Chemistry,	13.6	63
537	Dicarboxylic Acid Separation by Dynamic and Sizeâ€Matched Recognition in Solution a State. Angewandte Chemie, 2018, 130, 1341-1345.	and in the Solid	2.0	3
538	Mechanochemistry and cocrystallization of 3-iodoethynylbenzoic acid with nitrogen-co heterocycles: concurrent halogen and hydrogen bonding. New Journal of Chemistry, 20 10493-10501.	ontaining)18, 42,	2.8	22
539	Development of Halogenase Enzymes for Use in Synthesis. Chemical Reviews, 2018, 1	18, 232-269.	47.7	230
540	Synthesis and characterization of Pt complexes containing dichloroacetate (DCA), desi anticancer action. Inorganica Chimica Acta, 2018, 470, 119-127.	igned for dual	2.4	9
541	The role of halogen bonding in improving OFET performance of a naphthalenediimide c Chinese Chemical Letters, 2018, 29, 423-428.	lerivative.	9.0	15
542	Matched Molecular Pair Analysis on Large Melting Point Datasets: A Big Data Perspecti ChemMedChem, 2018, 13, 599-606.	ve.	3.2	18
543	Concentration-dependent multiple chirality transition in halogen-bond-driven 2D self-a process. Applied Surface Science, 2018, 433, 1075-1082.	ssembly	6.1	9
544	Clˉ as the halogen bond acceptor: studies on strong halogen bonds. Structural Cher 503-511.	mistry, 2018, 29,	2.0	1
545	Radioactive iodine capture and storage from water using magnetite nanoparticles enca polypyrrole. Journal of Hazardous Materials, 2018, 344, 576-584.	apsulated in	12.4	120

#	ARTICLE Insight into the Ï€â€hole··Ĩ€â€electrons tetrel bonds between F ₂ ZO (Z = C, Si, Ge) and	IF 2 O	CITATIONS
547	unsaturated hydrocarbons. International Journal of Quantum Chemistry, 2018, 118, e25521. Tuning of non-covalent interactions involving a halogen atom that plays the role of Lewis acid and base simultaneously. Molecular Physics, 2018, 116, 338-350.	1.7	6
548	Functional liquid-crystalline polymers and supramolecular liquid crystals. Polymer Journal, 2018, 50, 149-166.	2.7	82
549	A Chiral Halogenâ€Bonding [3]Rotaxane for the Recognition and Sensing of Biologically Relevant Dicarboxylate Anions. Angewandte Chemie - International Edition, 2018, 57, 584-588.	13.8	139
550	F or O, Which One Is the Better Hydrogen Bond (Is It?) Acceptor in C–H··ÂA·X–C (X– = F–, Oâ•) Interacti Crystal Growth and Design, 2018, 18, 1-6.	ons?. 3.0	21
551	I ₂ catalyzed access of spiro[indoline-3,4′-pyridine] appended amine dyad: new ON–OFF chemosensors for Cu ²⁺ and imaging in living cells. Organic and Biomolecular Chemistry, 2018, 16, 302-315.	2.8	19
552	Monosaccharide Derivatives with Lowâ€Nanomolar Lectin Affinity and High Selectivity Based on Combined Fluorine–Amide, Phenyl–Arginine, Sulfur–π, and Halogen Bond Interactions. ChemMedChem, 2018, 13, 133-137.	3.2	75
553	Do surfaces of positive electrostatic potential on different halogen derivatives in molecules attract? like attracting like!. Journal of Computational Chemistry, 2018, 39, 343-350.	3.3	33
554	Dicarboxylic Acid Separation by Dynamic and Sizeâ€Matched Recognition in Solution and in the Solid State. Angewandte Chemie - International Edition, 2018, 57, 1327-1331.	13.8	4
555	Regioselective Chlorination of Aryl Câ~'H bonds with Hypervalent Iodine(III) Reagent 1â€Chloroâ€1,2â€benziodoxolâ€3â€one. Asian Journal of Organic Chemistry, 2018, 7, 324-327.	2.7	12
556	Polysaccharideâ€based chiral stationary phases as halogen bond acceptors: A novel strategy for detection of stereoselective Ïfâ€hole bonds in solution. Journal of Separation Science, 2018, 41, 1247-1256.	2.5	34
557	Halogen-Bonded Cocrystals as Optical Materials: Next-Generation Control over Light–Matter Interactions. Crystal Growth and Design, 2018, 18, 1245-1259.	3.0	115
558	Crystallographic insights into the selfâ€assembly of KLVFF amyloidâ€beta peptides. Peptide Science, 2018, 110, e23088.	1.8	22
559	A fluorine scan of a tubulin polymerization inhibitor isocombretastatin A-4: Design, synthesis, molecular modelling, and biological evaluation. European Journal of Medicinal Chemistry, 2018, 143, 473-490.	5.5	24
560	Large Protonâ€Affinity Enhancements Triggered by Noncovalent Interactions. Chemistry - A European Journal, 2018, 24, 1971-1977.	3.3	15
561	Structure guided or structure guiding? Mixed carbon/hydrogen bonding in a bis-Schiff base of <i>N</i> -allyl isatin. CrystEngComm, 2018, 20, 150-154.	2.6	15
562	Alkene 1,2â€Difunctionalization by Radical Alkenyl Migration. Angewandte Chemie, 2018, 130, 822-825.	2.0	39
563	Alkene 1,2â€Difunctionalization by Radical Alkenyl Migration. Angewandte Chemie - International Edition, 2018, 57, 814-817.	13.8	172

#	Article	IF	CITATIONS
564	Characterization of chalcogen bonding interactions via an inâ€depth conceptual quantum chemical analysis. Journal of Computational Chemistry, 2018, 39, 557-572.	3.3	53
565	Characterizing the interplay of Pauli repulsion, electrostatics, dispersion and charge transfer in halogen bonding with energy decomposition analysis. Physical Chemistry Chemical Physics, 2018, 20, 905-915.	2.8	139
566	A comparative view on the potential acting on an electron in a molecule and the electrostatic potential through the typical halogen bonds. Journal of Computational Chemistry, 2018, 39, 573-580.	3.3	33
567	Synergistic effects of hydrogen and halogen bonding in co-crystals of dipyridylureas and diiodotetrafluorobenzenes. Supramolecular Chemistry, 2018, 30, 315-327.	1.2	10
568	On the molecular optical nonlinearity of halogen-bond-forming azobenzenes. Physical Chemistry Chemical Physics, 2018, 20, 28810-28817.	2.8	9
569	Spin–orbit coupling as a probe to decipher halogen bonding. Physical Chemistry Chemical Physics, 2018, 20, 29616-29624.	2.8	21
570	21st century developments in the understanding and control of molecular solids. Chemical Communications, 2018, 54, 13175-13182.	4.1	38
571	Halobismuthates with halopyridinium cations: appearance or non-appearance of unusual colouring. CrystEngComm, 2018, 20, 7766-7772.	2.6	50
572	Nature of halogen bonding involving ï€-systems, nitroxide radicals and carbenes: a highlight of the importance of charge transfer. Physical Chemistry Chemical Physics, 2018, 20, 26463-26478.	2.8	24
573	Crystal structure of (<i>Z</i>)-2-(2-(1,3-dioxo-1-(phenylamino)butan-2-ylidene)hydrazineyl) terephthalic acid-dimethylsulfoxide (1/1), C ₁₈ H ₁₅ N ₃ O ₆ â< C ₂ H ₆ OS. Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 234, 83-85.	0.3	0
574	QCM detection of molecule–nanoparticle interactions for ligand shells of varying morphology. Nanoscale, 2018, 10, 19107-19116.	5.6	10
575	Self-assembly of supramolecular nanotubes/microtubes from 3,5-dimethyl-4-iodopyrazole for plasmonic nanoparticle organization. Nanoscale, 2018, 10, 20804-20812.	5.6	6
576	Enhancement of anion recognition exhibited by a zinc-imidazole-based ion-pair receptor composed of C–H hydrogen- and halogen-bond donor groups. Dalton Transactions, 2018, 47, 15941-15947.	3.3	12
577	Three-dimensional supramolecular polymerization based on pillar[<i>n</i>]arenes (<i>n</i> = 5, 6) and halogen bonding interactions. Chemical Communications, 2018, 54, 13099-13102.	4.1	13
578	Co-crystal synthesis: fact, fancy, and great expectations. Chemical Communications, 2018, 54, 14047-14060.	4.1	106
579	Computational investigations of intermolecular interactions between electron-accepting bromo- and iodo-pentafluorobenzene and electron-donating furan and thiophene. New Journal of Chemistry, 2018, 42, 20101-20112.	2.8	5
580	Charge-transfer chemistry of chalcogen–nitrogen π-heterocycles. Mendeleev Communications, 2018, 28, 453-460.	1.6	22
581	Cocrystals with tunable luminescence colour self-assembled by a predictable method. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 610-617.	1.1	10

#	Article	IF	CITATIONS
582	Understanding geology through crystal engineering: coordination complexes, coordination polymers and metal–organic frameworks as minerals. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 539-559.	1.1	18
583	Asymmetric Difluoroboron Quinazolinoneâ€Pyridine Dyes with Large Stokes Shift: High Emission Efficiencies Both in Solution and in the Solid State. Chemistry - A European Journal, 2018, 24, 17897-17901.	3.3	28
584	Supramolecular Capsules: Strong versus Weak Chalcogen Bonding. Angewandte Chemie - International Edition, 2018, 57, 17259-17264.	13.8	117
585	Carbon's Three-Center, Four-Electron Tetrel Bond, Treated Experimentally. Journal of the American Chemical Society, 2018, 140, 17571-17579.	13.7	53
586	Quantitative Assessment of Tetrel Bonding Utilizing Vibrational Spectroscopy. Molecules, 2018, 23, 2763.	3.8	84
587	lodine-Catalyzed Iso-Nazarov Cyclization of Conjugated Dienals for the Synthesis of 2-Cyclopentenones. Organic Letters, 2018, 20, 7298-7303.	4.6	21
588	Supramolekulare Kapseln: starke und schwache Chalkogenbrücken im Vergleich. Angewandte Chemie, 2018, 130, 17506-17512.	2.0	33
591	Synthesis of 1-lodo-substituted Codeine Derivatives. Letters in Organic Chemistry, 2018, 15, 1012-1020.	0.5	2
592	Paintable Room Temperature Phosphorescent Liquid Formulations of Alkylated Bromonaphthalimide. Angewandte Chemie, 2018, 131, 2306.	2.0	14
593	Halogen bonding in mono―and dihydrated halobenzene. Journal of Computational Chemistry, 2018, 40, 554-561.	3.3	6
594	Theoretical Density Functional Theory insights into the nature of chalcogen bonding between CX ₂ (X = S, Se, Te) and diazine from monomer to supramolecular complexes. International Journal of Quantum Chemistry, 2019, 119, e25837.	2.0	10
595	Crystal packing and theoretical analysis of halogen- and hydrogen-bonded hydrazones from pharmaceuticals. Evidence of type I and II halogen bonds in extended chains of dichloromethane. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 618-627.	1.1	7
596	Comparison of halide donators based on pi···M (M = Cu, Ag, Au), pi···H and pi···halogen bond Chemistry Accounts, 2018, 137, 1.	s. Theoret 1.4	icąl
597	Halogen and Hydrogen Bonding Interplay in the Crystal Packing of Halometallocenes. Molecules, 2018, 23, 2959.	3.8	16
598	Role of halogen-involved intermolecular interactions and existence of isostructurality in the crystal packing of —CF ₃ and halogen (Cl or Br or I) substituted benzamides. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 574-591.	1.1	9
599	Halogen bonds in the crystal structure of 1,4-diiodotetrafluorobenzene–1,2-bis(4-pyridyl)propane (1/1), C ₁₉ H ₁₄ F ₄ I ₂ N ₂ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 233, 473-475.	0.3	1
600	Pyrrolone Derivatives as Intracellular Allosteric Modulators for Chemokine Receptors: Selective and Dual-Targeting Inhibitors of CC Chemokine Receptors 1 and 2. Journal of Medicinal Chemistry, 2018, 61, 9146-9161.	6.4	21
601	What kind of neutral halogen bonds can be modulated by solvent effects?. Physical Chemistry Chemical Physics, 2018, 20, 26126-26139.	2.8	21

#	Article	IF	CITATIONS
602	Can Combined Electrostatic and Polarization Effects Alone Explain the F···F Negative-Negative Bonding in Simple Fluoro-Substituted Benzene Derivatives? A First-Principles Perspective. Computation, 2018, 6, 51.	2.0	32
603	Unravelling syn- and anti- orientation in the regioselectivity of carbonyl groups of 5-fluorouracil an anticancer drug toward proton donors. Chemical Physics Letters, 2018, 712, 196-207.	2.6	4
604	Thienoisoindigo-Based Semiconductor Nanowires Assembled with 2-Bromobenzaldehyde via Both Halogen and Chalcogen Bonding. Scientific Reports, 2018, 8, 14448.	3.3	16
605	Halogen-Bond-Assisted Photoluminescence Modulation in Carbazole-Based Emitter. Scientific Reports, 2018, 8, 14431.	3.3	23
606	Pure Organic Hexagonal–Channels Constructed by C–l··· [–] O–N ⁺ Halogen B and π–Hole··À·I€ Bond under Mediation of Guest. Crystal Growth and Design, 2018, 18, 6742-6747.	lond 3.0	24
607	2,2′â€Azobispyridine in Phosphorus Coordination Chemistry: A New Approach to 1,2,4,3â€Triazaphosphole Derivatives. European Journal of Inorganic Chemistry, 2018, 2018, 4245-4254.	2.0	9
608	Pyridyl-Directed C–H and C–Br Bond Activations Promoted by Dimer Iridium-Olefin Complexes. Organometallics, 2018, 37, 3770-3779.	2.3	14
609	Se–Cl Interactions in Selenite Chlorides: A Theoretical Study. Crystals, 2018, 8, 193.	2.2	4
610	Melting point, molecular symmetry and aggregation of tetrachlorobenzene isomers: the role of halogen bonding. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 458-466.	1.1	5
611	Molecular Docking in Halogen Bonding. , 2018, , .		5
612	Mechanism and Origins of Chemo- and Stereoselectivities of Aryl Iodide-Catalyzed Asymmetric Difluorinations of β-Substituted Styrenes. Journal of the American Chemical Society, 2018, 140, 15206-15218.	13.7	89
613	Supramolecular Architectures of Polyoxometalate Hybrids Originating from Halogen and Hydrogenâ€Bonding Interactions. ChemistrySelect, 2018, 3, 11008-11011.	1.5	7
614	Adamantane template effect on the self-assembly of a molecular tetrahedron: A theoretical analysis. Chemical Physics Letters, 2018, 713, 149-152.	2.6	3
615	European Restrictions on 1,2â€Dichloroethane: Câ^'H Activation Research and Development Should Be Liberated and not Limited. Angewandte Chemie - International Edition, 2018, 57, 14286-14290.	13.8	45
616	Zum europächen Verbot von 1,2â€Dichlorethan: Chancen für die Forschung zur Câ€Hâ€Aktivierung. Angewandte Chemie, 2018, 130, 14482-14486.	2.0	10
617	The study of interactions with a halogen atom: influence of NH ₂ group insertion on the crystal structures of <i>meta</i> -bromonitrobenzene derivatives. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 1509-1517.	0.5	10
618	Salt Bridge in Ligand–Protein Complexes—Systematic Theoretical and Statistical Investigations. Journal of Chemical Information and Modeling, 2018, 58, 2224-2238.	5.4	49
619	Theoretical investigation of the structures, stabilities and vibrational properties of triatomic interhalide ions and their alkali ion pairs. Journal of Fluorine Chemistry, 2018, 216, 81-88.	1.7	8

#	Article	IF	CITATIONS
620	Halogen bond in the water adduct of chloropentafluoroethane revealed by rotational spectroscopy. Journal of Chemical Physics, 2018, 149, 154307.	3.0	5
621	Strong Tetrel Bonds: Theoretical Aspects and Experimental Evidence. Molecules, 2018, 23, 2642.	3.8	43
622	Halide ion recognition <i>via</i> chalcogen bonding in the solid state and in solution. Directionality and linearity. CrystEngComm, 2018, 20, 6406-6411.	2.6	26
623	Surprising solvent-induced structural rearrangements in large [Nâ<¯l ⁺ â<¯N] halogen-bonded supramolecular capsules: an ion mobility-mass spectrometry study. Chemical Science, 2018, 9, 8343-8351.	7.4	47
625	Unexpected room-temperature phosphorescence from a non-aromatic, low molecular weight, pure organic molecule through the intermolecular hydrogen bond. Materials Chemistry Frontiers, 2018, 2, 2124-2129.	5.9	138
626	Bond orders for intermolecular interactions in crystals: charge transfer, ionicity and the effect on intramolecular bonds. IUCrJ, 2018, 5, 635-646.	2.2	25
627	Trielâ€Bonded Complexes between TrR ₃ (Tr=B, Al, Ga; R=H, F, Cl, Br, CH ₃) and Pyrazine. ChemPhysChem, 2018, 19, 3122-3133.	2.1	25
628	Using protonation to change a Clâ< N halogen bond in N-Base:ClOH complexes to a Clâ< O halogen bond. Chemical Physics Letters, 2018, 710, 123-128.	2.6	10
629	Raman study of the effects of solvent Lewis basicity on halogen bonding for short-chain primary and secondary iodo-perfluoroalkanes. Journal of Molecular Liquids, 2018, 271, 647-654.	4.9	4
630	Halogen Bond Asymmetry in Solution. Journal of the American Chemical Society, 2018, 140, 13503-13513.	13.7	57
631	Halogen bond shortens and strengthens the bridge bond of [1.1.1]propellane and the open form of [2.2.2]propellane. Physical Chemistry Chemical Physics, 2018, 20, 25792-25798.	2.8	15
632	Solvent Effect on Host–Guest Two-Dimensional Self-Assembly Mediated by Halogen Bonding. Journal of Physical Chemistry C, 2018, 122, 22597-22604.	3.1	16
633	Playing with Isomerism: Cocrystallization of Isomeric <i>N</i> -Salicylideneaminopyridines with Perfluorinated Compounds as Halogen Bond Donors and Its Impact on Photochromism. Crystal Growth and Design, 2018, 18, 6833-6842.	3.0	25
634	Multifacial Recognition in Binary and Ternary Cocrystals from 5-Halouracil and Aminoazine Derivatives. Crystal Growth and Design, 2018, 18, 5904-5918.	3.0	16
635	Biomolecular Simulations of Halogen Bonds with a GROMOS Force Field. Journal of Chemical Theory and Computation, 2018, 14, 5383-5392.	5.3	20
636	Crystal structure of dimethyl (3 <i>aS</i> ,6 <i>R</i> ,6 <i>aS</i> ,7 <i>S</i>)-1 <i>H</i> ,3 <i>H</i> ,6 <i>H</i> ,7 <i>H</i> ,3a,6:7,9a-diepoxybenzo[¹ ,6a-dicarboxylate, C ₁₆ H ₁₆ O ₇ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 233, 1075-1077.	de]isgchrc	omene-3 <i>a</i>
637	A Comparative Review on the Catalytic Mechanism of Nonheme Iron Hydroxylases and Halogenases. Catalysts, 2018, 8, 314.	3.5	50
638	A rare example of a phosphine as a halogen bond acceptor. Chemical Communications, 2018, 54, 11041-11043.	4.1	36
#	Article	IF	CITATIONS
-----	---	-----	-----------
639	Chiral halogen and chalcogen bonding receptors for discrimination of stereo- and geometric dicarboxylate isomers in aqueous media. Chemical Communications, 2018, 54, 10851-10854.	4.1	62
640	Tetrel Bonding as a Vehicle for Strong and Selective Anion Binding. Molecules, 2018, 23, 1147.	3.8	39
641	Thermal expansion along one-dimensional chains and two-dimensional sheets within co-crystals based on halogen or hydrogen bonds. CrystEngComm, 2018, 20, 7232-7235.	2.6	13
642	Cosublimation: A Rapid Route Toward Otherwise Inaccessible Halogen-Bonded Architectures. Crystal Growth and Design, 2018, 18, 6227-6238.	3.0	42
643	Structural Examination of Halogen-Bonded Co-Crystals of Tritopic Acceptors. Molecules, 2018, 23, 163.	3.8	7
644	Refined SMD Parameters for Bromine and Iodine Accurately Model Halogenâ€Bonding Interactions in Solution. Chemistry - A European Journal, 2018, 24, 15983-15987.	3.3	52
645	ls σ-hole an electronic exchange channel in YXâ<⁻CO interactions?. Chemical Physics Letters, 2018, 710, 113-117.	2.6	3
646	A halogen bond-donor amino acid for organocatalysis in water. Chemical Communications, 2018, 54, 10718-10721.	4.1	42
647	Synthesis of Bromoundecyl Resorc[4]arenes and Applications of the Cone Stereoisomer as Selector for Liquid Chromatography. Journal of Organic Chemistry, 2018, 83, 7683-7693.	3.2	5
648	Does Halogen Bonding Promote Intersystem Crossing and Phosphorescence in Benzaldehyde?. Journal of Physical Chemistry C, 2018, 122, 12441-12447.	3.1	12
649	Choice of hydrogen bonds or halogen bonds by 2-halogenated 5-morpholinomethylphenyl triazolo[1,5- <i>a</i>]pyridine. CrystEngComm, 2018, 20, 3006-3010.	2.6	3
650	A DFT assessment of some physical properties of iodine-centered halogen bonding and other non-covalent interactions in some experimentally reported crystal geometries. Physical Chemistry Chemical Physics, 2018, 20, 15316-15329.	2.8	23
651	Restricted Speciation and Supramolecular Assembly in the 5f Block. Chemistry - A European Journal, 2018, 24, 12747-12756.	3.3	19
652	Supramolecular Interactions of Fullerene C ₆₀ with 1,3,5â€Trifluoroâ€2,4,6â€triiodobenzene: A Combined Theoretical and Experimental Study. ChemPlusChem, 2018, 83, 470-477.	2.8	4
653	Lone pair–π <i>vs.</i> σ-hole–π interactions in bromine head-containing oxacalix[2]arene[2]triazines. CrystEngComm, 2018, 20, 3251-3257.	2.6	20
654	Anion halogen bonding effect on solvatochromism and excited state dynamics of hemicyanine dye in chlorinated solvents. Journal of Luminescence, 2018, 202, 253-262.	3.1	9
655	Ligation-Enhanced π-Hole···π Interactions Involving Isocyanides: Effect of π-Hole···π Noncovalent Bonding on Conformational Stabilization of Acyclic Diaminocarbene Ligands. Inorganic Chemistry, 2018, 57, 6722-6733.	4.0	50
656	S⋯S and S⋯P chalcogen bonding in solution: a cryospectroscopic study of the complexes of 2,2,4,4-tetrafluoro-1,3-dithietane with dimethyl sulfide and trimethylphosphine. New Journal of Chemistry, 2018, 42, 10563-10571.	2.8	8

#	Article	IF	CITATIONS
657	Comparing the Halogen Bond to the Hydrogen Bond by Solid‣tate NMR Spectroscopy: Anion Coordinated Dimers from 2―and 3â€ŀodoethynylpyridine Salts. Chemistry - A European Journal, 2018, 24, 11364-11376.	3.3	35
658	Halogen bond in high-performance liquid chromatography enantioseparations: Description, features and modelling. Journal of Chromatography A, 2018, 1563, 71-81.	3.7	32
659	Structural Diversity in a New Series of Halogenated Quinolyl Salicylaldimides-Based Fe ^{III} Complexes Showing Solid-State Halogen-Bonding/Halogen··Ĥalogen Interactions. Crystal Growth and Design, 2018, 18, 4187-4199.	3.0	10
660	Trimorphs of 4-bromophenyl 4-bromobenzoate. Elastic, brittle, plastic. Chemical Communications, 2018, 54, 6348-6351.	4.1	54
661	Crystalline Ammonium Complexes of Trimethyl―and Triethylbenzeneâ€Based Tripodal Compounds Bearing Pyrazole and Indazole Groups. European Journal of Organic Chemistry, 2018, 2018, 4317-4330.	2.4	10
662	Structural and biological evaluation of halogen derivatives of 1,9-pyrazoloanthrones towards the design of a specific potent inhibitor of c-Jun-N-terminal kinase (JNK). New Journal of Chemistry, 2018, 42, 10651-10660.	2.8	3
663	Synthese und Charakterisierung von nichtklassischen Polyinterhalogeniden basierend auf Brommonochlorid. Angewandte Chemie, 2018, 130, 9279-9283.	2.0	9
664	Structure-Directing Weak Interactions with 1,4-Diiodotetrafluorobenzene Convert One-Dimensional Arrays of [M ^{II} (acac) ₂] Species into Three-Dimensional Networks. Crystal Growth and Design, 2018, 18, 3626-3636.	3.0	50
665	Metal–Organic Framework Based Microcapsules. Angewandte Chemie, 2018, 130, 10305-10309.	2.0	15
666	Nanostructured Thin Films of Moderately Functionalized PMMAâ€≺i>bâ€PS. Macromolecular Rapid Communications, 2018, 39, e1800231.	3.9	8
667	Continuum of covalent to intermolecular bonding in the halogen-bonded complexes of 1,4-diazabicyclo[2.2.2]octane with bromine-containing electrophiles. Chemical Communications, 2018, 54, 8060-8063.	4.1	29
668	Bonding in the metallic molecular solid <i>α</i> -Gallium. Molecular Physics, 2018, 116, 3372-3379.	1.7	7
669	Enantioseparation of fluorinated 3-arylthio-4,4'-bipyridines: Insights into chalcogen and π-hole bonds in high-performance liquid chromatography. Journal of Chromatography A, 2018, 1567, 119-129.	3.7	22
670	Supramolecular hydrogen-bonding patterns in salts of the antifolate drugs trimethoprim and pyrimethamine. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 487-503.	0.5	5
671	Metal–Organic Framework Based Microcapsules. Angewandte Chemie - International Edition, 2018, 57, 10148-10152.	13.8	64
672	Enhancement of Thermodynamic Gasâ€Phase Acidity and Basicity of Water by Means of Secondary Interactions. ChemPhysChem, 2018, 19, 2486-2491.	2.1	2
673	Nonbonded Interaction: The Chalcogen Bond. , 2018, , 157-183.		3
674	Mechanosensitive Oligodithienothiophenes: Transmembrane Anion Transport Along Chalcogenâ€Bonding Cascades. Helvetica Chimica Acta, 2018, 101, e1800014.	1.6	46

Article

IF CITATIONS

Pnicogen, halogen and hydrogen bonds in (E)-1-(2,2-dichloro-1-(2-nitrophenyl)vinyl)-2-(para-substituted) Tj ETQq0 9.0 rgBT /Qverlock 10

676	Metalâ€Free Halogen(I) Catalysts for the Oxidation of Aryl(heteroaryl)methanes to Ketones or Esters: Selectivity Control by Halogen Bonding. Chemistry - A European Journal, 2018, 24, 14171-14182.	3.3	36
677	Building up 1â€Ð, 2â€Ð, and 3â€Ð Polyiodide Frameworks by Finely Tuning the Size of Aryls on Arâ€Sâ€TTF in the Chargeâ€Transfer (CT) Complexes of Arâ€Sâ€TTFs and Iodine. Chinese Journal of Chemistry, 2018, 36, 845-850.	4.9	6
679	Halogen Bonds in Clathrate Cages: A Real Space Perspective. ChemPhysChem, 2018, 19, 2512-2517.	2.1	20
680	Supramolecular Assemblies on Surfaces: Nanopatterning, Functionality, and Reactivity. ACS Nano, 2018, 12, 7445-7481.	14.6	225
681	Toward First-Principles Design of Organic Nonlinear Optical Materials: Crystal Structure Prediction and Halogen Bonding Impact on Hyperpolarizabilities of 2-lodo-3-hydroxypyridine. Crystal Growth and Design, 2018, 18, 5069-5079.	3.0	22
682	Halogen-bonded cocrystals of <i>N</i> -salicylidene Schiff bases and iodoperfluorinated benzenes: hydroxyl oxygen as a halogen bond acceptor. CrystEngComm, 2018, 20, 5332-5339.	2.6	17
683	Engineering Cocrystals of Poorly Water-Soluble Drugs to Enhance Dissolution in Aqueous Medium. Pharmaceutics, 2018, 10, 108.	4.5	138
684	Guestâ€Induced Structural Transformations in a Porous Halogenâ€Bonded Framework. Angewandte Chemie - International Edition, 2018, 57, 12086-12091.	13.8	45
685	How Meaningful Is the Halogen Bonding in 1-Ethyl-3-methyl Imidazolium-Based Ionic Liquids for CO ₂ Capture?. Journal of Physical Chemistry B, 2018, 122, 7907-7914.	2.6	7
686	Structural flexibility of halogen bonds showed in a single-crystal-to-single-crystal [2+2] photodimerization. IUCrJ, 2018, 5, 491-496.	2.2	35
687	Guestâ€Induced Structural Transformations in a Porous Halogenâ€Bonded Framework. Angewandte Chemie, 2018, 130, 12262-12267.	2.0	13
689	Similarities and differences in the crystal packing of halogen-substituted indole derivatives. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 376-384.	1.1	3
690	Pingâ€Pong Tunneling Reactions: Can Fluoride Jump at Absolute Zero?. Chemistry - A European Journal, 2018, 24, 16348-16355.	3.3	18
691	Intra-/Intermolecular Bifurcated Chalcogen Bonding in Crystal Structure of Thiazole/Thiadiazole Derived Binuclear (Diaminocarbene)PdII Complexes. Crystals, 2018, 8, 112.	2.2	46
692	Pseudo-Bifurcated Chalcogen Bond in Crystal Engineering. Crystals, 2018, 8, 163.	2.2	14
693	A Novel Action of Endocrine-Disrupting Chemicals on Wildlife; DDT and Its Derivatives Have Remained in the Environment. International Journal of Molecular Sciences, 2018, 19, 1377.	4.1	24
694	Synthesis and Functionalization of a 1,2-Bis(trimethylsilyl)-1,2-disilacyclohexene That Can Serve as a Unit of cis-1,2-Dialkyldisilene. Inorganics, 2018, 6, 21.	2.7	4

#	Article	IF	CITATIONS
695	Hydrogen Bonds and Life in the Universe. Life, 2018, 8, 1.	2.4	43
696	Substituent Effects in Multivalent Halogen Bonding Complexes: A Combined Theoretical and Crystallographic Study. Molecules, 2018, 23, 18.	3.8	11
697	Comparison between Tetrel Bonded Complexes Stabilized by σ and π Hole Interactions. Molecules, 2018, 23, 1416.	3.8	45
698	Formal Insertion of Imines (or Nitrogen Heteroarenes) and Arynes into the C–Cl Bond of Carbon Tetrachloride. Organic Letters, 2018, 20, 4545-4548.	4.6	33
699	A Novel Family of Polyiodoâ€Bromoantimonate(III) Complexes: Cationâ€Driven Selfâ€Assembly of Photoconductive Metalâ€Polyhalide Frameworks. Chemistry - A European Journal, 2018, 24, 14707-14711.	3.3	60
700	Halogen Bonding in Ring-Substituted Group 10 POCOP Iodido Complexes with Iodine and Its Possible Role in Oxidative Addition. European Journal of Inorganic Chemistry, 2018, 2018, 3913-3921.	2.0	5
701	A Solvation/Desolvation Indicator Based on van der Waals Interactions between Solvents and Porphyrins. Chemistry - A European Journal, 2018, 24, 14733-14741.	3.3	8
702	Halogen bond triggered aggregation induced emission in an iodinated cyanine dye for ultra sensitive detection of Ag nanoparticles in tap water and agricultural wastewater. RSC Advances, 2018, 8, 24617-24626.	3.6	62
703	Halogenâ<¯halogen interactions in the self-assembly of one-dimensional 2,2′-bipyrimidine-based Cu ^{II} Re ^{IV} systems. CrystEngComm, 2018, 20, 4575-4581.	2.6	8
704	Structure-Activity Relationship Analysis of 3-Phenylcoumarin-Based Monoamine Oxidase B Inhibitors. Frontiers in Chemistry, 2018, 6, 41.	3.6	36
705	Halogen bonding in Wagner-Meerwein rearrangement products. Journal of Molecular Liquids, 2018, 249, 949-952.	4.9	32
706	Theoretical Exploration of Halogen Bonding Interactions in the Complexes of Novel Nitroxide Radical Probes and Comparison with Hydrogen Bonds. Journal of Physical Chemistry A, 2018, 122, 5058-5068.	2.5	13
707	Halogen bonding and triiodide asymmetry in cocrystals of triphenylmethylphosphonium triiodide with organoiodines. New Journal of Chemistry, 2018, 42, 10518-10528.	2.8	11
708	Synthesis and Characterization of Nonclassical Interhalides Based on Bromine Monochloride. Angewandte Chemie - International Edition, 2018, 57, 9141-9145.	13.8	18
709	2D Organic Photonics: An Asymmetric Optical Waveguide in Selfâ€Assembled Halogenâ€Bonded Cocrystals. Angewandte Chemie, 2018, 130, 11470-11474.	2.0	47
710	Halogen bonding at the wet interfaces of an amyloid peptide structure. CrystEngComm, 2018, 20, 5321-5326.	2.6	16
711	Visible light-mediated difluoroalkylation of electron-deficient alkenes. Beilstein Journal of Organic Chemistry, 2018, 14, 1637-1641.	2.2	14
712	A close insight into the nature of intra- and intermolecular interactions in new Cu(II) Schiff base complexes derived from halogenated salicylaldehydes and allylamine: Theoretical and crystallographic studies. Polyhedron, 2018, 155, 114-128.	2.2	9

	CITATION	Report	
#	Article	IF	CITATIONS
713	Liquid Crystals under Confinement in Submicrometer Capsules. Langmuir, 2018, 34, 10955-10963.	3.5	15
714	C–X···X–C vs C–H···X–C, Which One Is the More Dominant Interaction in Crystal Packing (X = Crystal Growth and Design, 2018, 18, 6084-6090.	Halogen)?.	28
715	Bulky iodotriazolium tetrafluoroborates as highly active halogen-bonding-donor catalysts. Chemical Communications, 2018, 54, 10320-10323.	4.1	51
716	Design of two series of 1:1 cocrystals involving 4-amino-5-chloro-2,6-dimethylpyrimidine and carboxylic acids. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 1007-1019.	0.5	3
717	FeCl ₃ -Catalyzed Regio-Divergent Carbosulfenylation of Unactivated Alkenes: Construction of a Medium-Sized Ring. Journal of Organic Chemistry, 2018, 83, 10985-10994.	3.2	19
718	2D Organic Photonics: An Asymmetric Optical Waveguide in Selfâ€Assembled Halogenâ€Bonded Cocrystals. Angewandte Chemie - International Edition, 2018, 57, 11300-11304.	13.8	118
719	Electrochemical Activation of TTFâ€Based Halogen Bond Donors: A Powerful, Selective and Sensitive Analytical Tool for Probing a Weak Interaction in Complex Media. ChemistrySelect, 2018, 3, 8874-8880.	1.5	14
720	Resolving the halogen <i>vs.</i> hydrogen bonding dichotomy in solutions: intermolecular complexes of trihalomethanes with halide and pseudohalide anions. Physical Chemistry Chemical Physics, 2018, 20, 21999-22007.	2.8	16
721	Halogen bonding for the design of inhibitors by targeting the S1 pocket of serine proteases. RSC Advances, 2018, 8, 28189-28197.	3.6	12
722	Dispersion Stabilized Se/Te···π Double Chalcogen Bonding Synthons in in Situ Cryocrystallized Divalent Organochalcogen Liquids. Crystal Growth and Design, 2018, 18, 3734-3739.	3.0	27
723	Controlling Structure and Reactivity in Cationic Solid-State Molecular Organometallic Systems Using Anion Templating. Organometallics, 2018, 37, 3524-3532.	2.3	14
724	Face-on orientation of fluorinated polymers conveyed by long alkyl chains: a prerequisite for high photovoltaic performances. Journal of Materials Chemistry A, 2018, 6, 12038-12045.	10.3	32
725	Eine ungewöhnliche intramolekulare Halogenbindung führt zu konformationeller Selektion. Angewandte Chemie, 2018, 130, 10120-10126.	2.0	0
726	An Unusual Intramolecular Halogen Bond Guides Conformational Selection. Angewandte Chemie - International Edition, 2018, 57, 9970-9975.	13.8	12
727	Improvement of the Photophysical Performance of Platinum yclometalated Complexes in Halogenâ€Bonded Adducts. Chemistry - A European Journal, 2018, 24, 11475-11484.	3.3	39
728	Halogen bonding driven crystal engineering of iodophthalonitrile derivatives. CrystEngComm, 2018, 20, 3858-3867.	2.6	18
729	The halogen bond: a new avenue in recognition and self-assembly. New Journal of Chemistry, 2018, 42, 10461-10462.	2.8	11
730	Fluorobissulfonylmethyl Iodides: An Efficient Scaffold for Halogen Bonding Catalysts with an sp ³ -Hybridized Carbon–lodine Moiety. ACS Catalysis, 2018, 8, 6601-6605.	11.2	35

#	Article	IF	CITATIONS
731	Aryl bis-sulfonamides bind to the active site of a homotrimeric isoprenoid biosynthesis enzyme lspF and extract the essential divalent metal cation cofactor. Chemical Science, 2018, 9, 5976-5986.	7.4	8
732	Light-mediated iodoperfluoroalkylation of alkenes/alkynes catalyzed by chloride ions: role of halogen bonding. Chemical Communications, 2018, 54, 7451-7454.	4.1	36
733	Ligand-driven formation of halogen bonds involving Au(<scp>i</scp>) complexes. New Journal of Chemistry, 2018, 42, 10529-10538.	2.8	12
734	Combustion of energetic iodine-rich coordination polymer – Engineering of new biocidal materials. Chemical Engineering Journal, 2018, 350, 1084-1091.	12.7	18
735	Molecular structure of gold 2,3,7,8,12,13,17,18-octabromo-5,10,15-tris(4′-pentafluorosulfanylphenyl)corrole: Potential insights into the insolubility of gold octabromocorroles. Journal of Porphyrins and Phthalocyanines, 2018, 22, 596-601.	0.8	14
736	Synthesis, crystal structure, DNA binding and in vitro cytotoxicity studies of Zn(II) complexes derived from amino-alcohol Schiff-bases. Inorganica Chimica Acta, 2018, 482, 136-143.	2.4	16
737	Simple design for metal-based halogen-bonded cocrystals utilizing the M–Clâ<ī motif. CrystEngComm, 2018, 20, 5955-5963.	2.6	25
738	Shapeâ€Persistent Tetrahedral [4+6] Boronic Ester Cages with Different Degrees of Fluoride Substitution. Chemistry - A European Journal, 2018, 24, 11438-11443.	3.3	47
739	The effects of cation–ĩ€ and anion–i̇́€ interactions on halogen bonds in the [N⋯X⋯N]+ complexes: A comprehensive theoretical study. Journal of Molecular Graphics and Modelling, 2018, 84, 134-144.	2.4	12
740	Geometry Symmetry of Conjugated Cores along C–Br Bond Effect on the 2D Self-Assembly by Intermolecular H·Á·Á·Br and Br···Br Bonds. Journal of Physical Chemistry C, 2018, 122, 15338-15343.	3.1	7
741	Steric <i>vs.</i> electronic stereocontrol in syndio- or iso-selective ROP of functional chiral β-lactones mediated by achiral yttrium-bisphenolate complexes. Chemical Communications, 2018, 54, 8024-8031.	4.1	59
742	On the significance of weak hydrogen bonds in crystal packing: a large databank comparison of polymorphic structures. CrystEngComm, 2018, 20, 5976-5989.	2.6	29
743	The Halogen Bond: An Emerging Supramolecular Tool in the Design of Functional Mesomorphic Materials. Chemistry - A European Journal, 2019, 25, 1369-1378.	3.3	73
744	Investigation of intermolecular interactions and stability of verubecestat in the active site of BACE1: Development of first model from QM/MM-based charge density and MD analysis. Journal of Biomolecular Structure and Dynamics, 2019, 37, 2339-2354.	3.5	15
745	Activation of Quinolines by Cationic Chalcogen Bond Donors. Synlett, 2019, 30, 1673-1678.	1.8	21
746	Halobenzyl alcohols as structurally simple organogelators. CrystEngComm, 2019, 21, 5310-5316.	2.6	5
747	Correlation of indoleamine-2,3-dioxigenase 1 inhibitory activity of 4,6-disubstituted indazole derivatives and their heme binding affinity. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126607.	2.2	8
748	A Halogenâ€Bond Donor Catalyst for Templated Macrocyclization. Angewandte Chemie - International Edition, 2019, 58, 14940-14943.	13.8	13

ARTICLE IF CITATIONS Single-handed supramolecular double helix of homochiral bis(N-amidothiourea) supported by double 749 12.8 55 crossed Câ^'l·Â·Â·S halogen bonds. Nature Communications, 2019, 10, 3610. The chalcogen bond: can it be formed by oxygen?. Physical Chemistry Chemical Physics, 2019, 21, 2.8 19969-19986. Structures of (4-Y-C₆H₄CH₂NH₃)₂Pbl₄ {Y = 751 6.7 62 H, F, Cl, Br, I}: Tuning of Hybrid Organic Inorganic Perovskite Structures from Ruddlesden–Popper to Dion–Jacobson Limits. Chemistry of Materials, 2019, 31, 6145-6153. Quantum Monte Carlo Study of the Water Dimer Binding Energy and Halogenâ~ï€ Interactions. Journal of Physical Chemistry A, 2019, 123, 7785-7791. Influence of halogen bonding on gold(<scp>i</scp>)–ligand bond components and DFT characterization of a gold–iodine halogen bond. Physical Chemistry Chemical Physics, 2019, 21, 753 2.8 7 20478-20485. Dithienothiophenes at Work: Access to Mechanosensitive Fluorescent Probes, Chalcogen-Bonding Catalysis, and Beyond. Chemical Reviews, 2019, 119, 10977-11005. 47.7 Synthesis and Structure of U(VI), Np(VI), and Pu(VI) 2-Fluorobenzoates. Radiochemistry, 2019, 61, 755 0.7 3 293-299. Halogen bonding in heteroleptic Cu(II) 2-iodobenzoates. Polyhedron, 2019, 171, 312-316. 756 10 Ultrafast Charge Transfer and Structural Dynamics Following Outer-Valence Ionization of a 757 2.5 0 Halogen-Bonded Dimer. Journal of Physical Chemistry A, 2019, 123, 7351-7360. Frontiers in Halogen and Chalcogenâ€Bond Donor Organocatalysis. ChemCatChem, 2019, 11, 5198-5211. Dispersion XDM with Hybrid Functionals: Delocalization Error and Halogen Bonding in Molecular 759 22 5.3Crystals. Journal of Chemical Theory and Computation, 2019, 15, 4933-4944. Halogen and Hydrogen Bonding in Halogenabenzene/NH3 Complexes Compared Using Next-Generation QTAIM. Molecules, 2019, 24, 2875. Structural Manifestations of the Polarizability Effect in 1-Halogensilatranes According to the 761 1.0 0 Dipole-Induced Dipole Mechanism. Journal of Structural Chemistry, 2019, 60, 932-941. A Crystallographic Charge Density Study of the Partial Covalent Nature of Strong Nâ‹...â‹...âr Halogen Bonds. Angewandte Chemie - International Edition, 2019, 58, 15702-15706. 13.8 Hydrogen Bond Enhanced Halogen Bonds: A Synergistic Interaction in Chemistry and Biochemistry. 763 15.6 111 Accounts of Chemical Research, 2019, 52, 2870-2880. Complexes of Diiodine with Heteroaromatic <i>N</i>-Oxides: Effects of Halogen-Bond Acceptors in 764 Halogen Bonding. Journal of Physical Chemistry A, 2019, 123, 7113-7123. Charge Transfer Versus Arene–Perfluoroarene Interactions in Modulation of Optical and Conductivity Properties in Cocrystals of 2,7-Di-<i>tert</i>-butylpyrene. Journal of Physical Chemistry 765 3.129 C, 2019, 123, 18198-18206. Bromine Substituent Position Triggered Halogen versus Hydrogen Bond in 2D Self-Assembly of 3.1 Fluorenone Derivatives. Journal of Physical Chemistry C, 2019, 123, 26191-26200.

#	Article	IF	Citations
767	Discovery of novel oestrogen receptor α agonists and antagonists by screening a revisited privileged structure moiety for nuclear receptors. Scientific Reports, 2019, 9, 9954.	3.3	13
768	Correlation of the partial charge-transfer and covalent nature of halogen bonding with the THz and IR spectral changes. Physical Chemistry Chemical Physics, 2019, 21, 17118-17125.	2.8	10
769	Halogen-bond mediated efficient storage of extremely volatile perfluoroiodides in ionic liquids. Chemical Communications, 2019, 55, 9088-9091.	4.1	5
770	Structural characterization and photochromic behaviour of a novel compound based on a π-acidic naphthalene diimide derivative and a double hydroxide-bridged dinuclear Al ^{III} aqua ion cluster. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 1128-1133.	0.5	2
771	Nitropyridine-1-Oxides as Excellent π-Hole Donors: Interplay between σ-Hole (Halogen, Hydrogen, Triel,) Tj ETQc 20, 3440.	0 0 0 rg8 4.1	T /Overlock 10 19
772	Rational Synthesis, Structures and Properties of the Ionic Liquid Binary Iodineâ€Bromine Octahalide Series [I _{<i>n</i>} Br _{8â°<<i>n</i>}] ^{2â°'} (<i>n</i> =0, 2, 3, 4). Chemistry - A European Journal, 2019, 25, 11659-11669.	3.3	10
773	The Binary Iodineâ€Chlorine Octahalide Series [I _{<i>n</i>} Cl _{8â°'<i>n</i>}] ^{2â°'} (<i>n</i> =3, 3.6, 4). Chemistry - A European Journal, 2019, 25, 11650-11658.	3.3	12
774	Halogenated imidazo[1,5-a]pyridines: chemical structure and optical properties of a promising luminescent scaffold. Dyes and Pigments, 2019, 171, 107713.	3.7	21
775	Systematic behaviour of electron redistribution on formation of halogen-bonded complexes Bâ∢XY, as determined <i>via</i> XY halogen nuclear quadrupole coupling constants. Physical Chemistry Chemical Physics, 2019, 21, 16914-16922.	2.8	3
776	Variations in the Solidâ€State Emissions of Clothespinâ€Shaped Binuclear <i>trans</i> â€Bis(salicylaldiminato)platinum(II) with Halogen Functionalities. European Journal of Inorganic Chemistry, 2019, 2019, 3561-3571.	2.0	11
777	Crystalline network form of Gefitinib molecule stabilized by non–covalent interactions: DFT–D calculations. Chemical Physics, 2019, 525, 110418.	1.9	5
778	Quantum chemical methods in charge density studies from X-ray diffraction data. Russian Chemical Reviews, 2019, 88, 677-716.	6.5	18
779	A Chiral Picolinic Acid Ligand, Cl-Naph-PyCOOH, for CpRu-Catalyzed Dehydrative Allylation: Design, Synthesis, and Properties. Bulletin of the Chemical Society of Japan, 2019, 92, 1707-1720.	3.2	9
780	Multivalent Câ^'Hâ‹â‹â‹Cl/Brâ^'C Interactions Directing the Resolution of Dynamic and Twisted Capsules. Chemistry - A European Journal, 2019, 25, 13124-13130.	3.3	12
781	Iodoimidazolinium-Catalyzed Reduction of Quinoline by Hantzsch Ester: Halogen Bond or BrÃ,nsted Acid Catalysis. Journal of Organic Chemistry, 2019, 84, 10338-10348.	3.2	25
782	Halogen-Bond-Catalyzed Addition of Carbon-Based Nucleophiles to <i>N</i> -Acylimminium Ions. Organic Letters, 2019, 21, 5665-5669.	4.6	38
783	A new amido-phosphine of dichloroacetic acid as an active ligand for metals of pharmaceutical interest. Synthesis, characterization and tests of antiproliferative and pro-apoptotic activity. Journal of Inorganic Biochemistry, 2019, 199, 110787.	3.5	7
784	Anti-Alzheimer's Disease Activity of Bromophenols from a Red Alga, Symphyocladia latiuscula (Harvey) Yamada. ACS Omega, 2019, 4, 12259-12270.	3.5	23

#	Article	IF	CITATIONS
785	Rapid Identification of Halogen Bonds in Coâ€Crystalline Powders via 127 l Nuclear Quadrupole Resonance Spectroscopy. Angewandte Chemie - International Edition, 2019, 58, 13479-13485.	13.8	17
786	Noncovalent interactions in the design of bis-azo dyes. CrystEngComm, 2019, 21, 5032-5038.	2.6	39
787	Synthesis, crystal structure and spectral characterization of (Z)-2,8-dibromo-9-(bromomethylene)-3,5,5-trimethyl-6,7,8,9-tetrahydro-5H-benzo [7] annulene. Journal of Molecular Structure, 2019, 1198, 126850.	3.6	3
788	New polymorphism and structural sensitivity in triphenylmethylphosphonium trihalide salts. New Journal of Chemistry, 2019, 43, 12702-12710.	2.8	2
789	Relationships between Interaction Energy and Electron Density Properties for Homo Halogen Bonds of the [(A)nY–X···X–Z(B)m] Type (X = Cl, Br, I). Molecules, 2019, 24, 2733.	3.8	29
790	Acetylenedicarboxylate and In Situ Generated Chlorofumarate-Based Hafnium(IV)–Metal–Organic Frameworks: Synthesis, Structure, and Sorption Properties. Inorganic Chemistry, 2019, 58, 10965-10973.	4.0	21
791	The thermal expansion properties of halogen bond containing 1,4 dioxane halogen complexes. CrystEngComm, 2019, 21, 5269-5277.	2.6	6
792	Extended Assemblies of Ru(bpy)(CO)2X2 (X = Cl, Br, I) Molecules Linked by 1,4-Diiodotetrafluoro-Benzene (DITFB) Halogen Bond Donors. Crystals, 2019, 9, 319.	2.2	8
793	Tetrel Interactions from an Interacting Quantum Atoms Perspective. Molecules, 2019, 24, 2204.	3.8	10
794	Aromatic-fused diketophosphanyl-core organic functional materials: phosphorus mimics of imides or beyond?. Organic and Biomolecular Chemistry, 2019, 17, 7807-7821.	2.8	10
795	Halogen Bond Structure and Dynamics from Molecular Simulations. Journal of Physical Chemistry B, 2019, 123, 6266-6273.	2.6	10
796	Exploiting 1,4-naphthoquinone and 3-iodo-1,4-naphthoquinone motifs as anion binding sites by hydrogen or halogen-bonding interactions. Dalton Transactions, 2019, 48, 11813-11821.	3.3	4
797	Isomorphic substitution in molecular crystals and geometry of hypervalent tellurium: comments inspired by a case study of RMeTel ₂ and [RMe ₂ Te] ⁺ I ^{â^'} (R) ⁻	Гј ЕЛ. @q0 () 0 9 gBT /Ove
798	Halogen Bonding and Cooperative Effects in Chlorine Clathrate: Ab Initio Periodic Study. Journal of Physical Chemistry C, 2019, 123, 24793-24806.	3.1	6
799	Absorption of Fluorinated Greenhouse Gases Using Fluorinated Ionic Liquids. Industrial & Engineering Chemistry Research, 2019, 58, 20769-20778.	3.7	55
800	How Resonance Modulates Multiple Hydrogen Bonding in Self-Assembled Systems. Journal of Organic Chemistry, 2019, 84, 14805-14815.	3.2	10
801	Benzothiadiazole Halogenation Impact in Conjugated Polymers, a Comprehensive Study. Macromolecules, 2019, 52, 8006-8016.	4.8	26
802	Peculiarities of the Supramolecular Assembly of Tetraethylammonium and 3-Bromopropionate lons in Uranyl, Neptunyl, and Plutonyl Coordination Compounds. Inorganic Chemistry, 2019, 58, 14577-14585.	4.0	3

#	Article	IF	CITATIONS
803	Rapid Identification of Halogen Bonds in Coâ€Crystalline Powders via 127 I Nuclear Quadrupole Resonance Spectroscopy. Angewandte Chemie, 2019, 131, 13613-13619.	2.0	3
804	Chalcogen Bonding Catalysis of a Nitroâ€Michael Reaction. Angewandte Chemie - International Edition, 2019, 58, 16923-16927.	13.8	161
805	Use of Nitrogenâ€Đoped Carbon Nanodots for the Photocatalytic Fluoroalkylation of Organic Compounds. Chemistry - A European Journal, 2019, 25, 16032-16036.	3.3	35
806	Halogen Bonds in 2,5-Dihalopyridine-Copper(I) Halide Coordination Polymers. Materials, 2019, 12, 3305.	2.9	8
808	Indirect influence of alkyl substituent on sigma-hole interactions: The case study of antimony(III) diphenyldithiophosphates with covalent Sb-S and non-covalent Sb⋯S pnictogen bonds. Polyhedron, 2019, 173, 114126.	2.2	18
809	At the Interface of Isomorphous Behavior in a 3 × 3 Isomer Grid of Monochlorobenzamides: Analyses of the Interaction Landscapes via Contact Enrichment Studies. Crystal Growth and Design, 2019, 19, 6141-6158.	3.0	7
810	Facile in Situ Halogen Functionalization via Triple-Bond Hydrohalogenation: Enhancing Sorption Capacities through Halogenation to Halofumarate-Based Zr(IV)-Metal-Organic Frameworks. Chemistry of Materials, 2019, 31, 8629-8638.	6.7	28
811	Photocontrolled Iodine-Mediated Green Reversible-Deactivation Radical Polymerization of Methacrylates: Effect of Water in the Polymerization System. ACS Macro Letters, 2019, 8, 1419-1425.	4.8	36
812	Chalkogenbrückenkatalyse einer Nitroâ€Michaelâ€Reaktion. Angewandte Chemie, 2019, 131, 17079-17083.	2.0	61
813	Strong Nâ^'Xâ‹â‹0â^'N Halogen Bonds: A Comprehensive Study on Nâ€Halosaccharin Pyridine <i>N</i> â€ Complexes. Angewandte Chemie - International Edition, 2019, 58, 18610-18618.	Dxide 13.8	54
814	Additions to <i>N</i> â€Sulfinylamines as an Approach for the Metalâ€free Synthesis of Sulfonimidamides: <i>O</i> â€Benzotriazolyl Sulfonimidates as Activated Intermediates. Angewandte Chemie - International Edition, 2019, 58, 19014-19020.	13.8	50
815	One―and Twoâ€Component Organogels Containing Cyanostilbene without any Auxiliary Substituents. ChemPlusChem, 2019, 84, 1789-1795.	2.8	10
816	Quaternary Activity of the Beihewan Fault in the Southeastern Beishan Wrench Belt, Western China: Implications for Crustal Stability and Intraplate Earthquake Hazards North of Tibet. Journal of Geophysical Research: Solid Earth, 2019, 124, 13286-13309.	3.4	16
817	Integrated model for the prenatal diagnosis and postnatal surgical treatment of total anomalous pulmonary venous connection: A multidisciplinary collaborative experience and preliminary results. Journal of Cardiac Surgery, 2019, 34, 1264-1272.	0.7	3
818	Co-Crystal with Unusual High Z′ and Z′′ Values Derived from Hexamethylenetetramine and 4-fluorophenol (1/1). Crystals, 2019, 9, 520.	2.2	3
819	Halogen and Hydrogen Bonds in Co-crystalline Ferrocenium Organotellurium Halide Salts. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2019, 45, 788-794.	1.0	8
820	Crystal structure of (2,2′-bipyridyl)bis(4-bromobenzyl)dibromidotin(IV), C ₂₄ H ₂₀ Br ₄ N ₂ Sn. Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 1317-1319.	0.3	3
821	Role of Staple Molecules in the Formation of S···S Contact in Thioamides: Experimental Charge Density and Theoretical Studies. Crystal Growth and Design, 2019, 19, 7324-7335.	3.0	5

#	Article	IF	CITATIONS
822	Halogen Bond-Catalyzed Friedel–Crafts Reactions of Aldehydes and Ketones Using a Bidentate Halogen Bond Donor Catalyst: Synthesis of Symmetrical Bis(indolyl)methanes. Organic Letters, 2019, 21, 9212-9216.	4.6	57
823	Anion Influence on the Packing of 1,3-Bis(4-Ethynyl-3-Iodopyridinium)-Benzene Halogen Bond Receptors. Crystals, 2019, 9, 522.	2.2	5
824	Alkyl Halides via Visible Light Mediated Dehalogenation. Organic Letters, 2019, 21, 9681-9687.	4.6	23
825	High-Performance Ammonium Hypoiodite/Oxone Catalysis for Enantioselective Oxidative Dearomatization of Arenols. ACS Catalysis, 2019, 9, 11619-11626.	11.2	50
826	Functionalized Truxene Scaffold: A Promising Advanced Organic Material for Digital Era. ChemistrySelect, 2019, 4, 12272-12288.	1.5	23
827	A Halogenâ€Bond Donor Catalyst for Templated Macrocyclization. Angewandte Chemie, 2019, 131, 15082-15085.	2.0	0
828	Theoretical Studies of IR and NMR Spectral Changes Induced by Sigma-Hole Hydrogen, Halogen, Chalcogen, Pnicogen, and Tetrel Bonds in a Model Protein Environment. Molecules, 2019, 24, 3329.	3.8	35
829	Structure-based analysis and biological characterization of imatinib derivatives reveal insights towards the inhibition of wild-type BCR-ABL and its mutants. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126758.	2.2	10
830	Photochemical Dehalogenation of Aryl Halides: Importance of Halogen Bonding. Journal of Physical Chemistry A, 2019, 123, 10224-10229.	2.5	14
831	Studies of Halogen Bonding Induced by Pentafluorosulfanyl Aryl Iodides: A Potential Group of Halogen Bond Donors in a Rational Drug Design. Molecules, 2019, 24, 3610.	3.8	11
832	Strong Nâ^'Xâ‹â‹ôa'Oâ^'N Halogen Bonds: A Comprehensive Study on Nâ€Halosaccharin Pyridine N â€Oxide Complexes. Angewandte Chemie, 2019, 131, 18783-18791.	2.0	6
833	Additions to <i>N</i> â€Sulfinylamines as an Approach for the Metalâ€free Synthesis of Sulfonimidamides: <i>O</i> â€Benzotriazolyl Sulfonimidates as Activated Intermediates. Angewandte Chemie, 2019, 131, 19190-19196.	2.0	12
834	Dihalomethanes as Bent Bifunctional XB/XBâ€Donating Building Blocks for Construction of Metalâ€involving Halogen Bonded Hexagons. Chemistry - an Asian Journal, 2019, 14, 3915-3920.	3.3	45
835	Construction of Ternary Iodine–Bromine–Chlorine Octahalides. Chemistry - A European Journal, 2019, 25, 13294-13298.	3.3	6
836	Noncovalent Interactions in Complexes Involving the Cyclic C 2 H 2 X (X=O, S, Se) Molecules and the Lewis Acids YF (Y=F, Cl, Br, H). ChemistrySelect, 2019, 4, 9506-9515.	1.5	1
837	Antimony(V) Bromide and Polybromide Complexes with Nâ€alkylated Quinolinium or Isoquinolinium Cations: Substituentâ€dependent Assembly of Polymeric Frameworks. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 1141-1145.	1.2	12
838	Experimental and DFT Study of the Photoluminescent Green Emission Band of Halogenated (â^'F, â^'Cl,) Tj ETQqO	0.0 rgBT /	Oyerlock 10

839	Cationic polymerization of n â€hexyloxyallene by using halogenâ€bonding organocatalysts. Journal of Polymer Science Part A, 2019, 57, 2436-2441.	2.3	10	
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	CITATION	REPORT	
#	Article	IF	CITATIONS
840	Site Selectivity of Halogen Oxygen Bonding in 5- and 6-Haloderivatives of Uracil. Crystals, 2019, 9, 467.	2.2	5
841	How do halogen atoms influence the competition between all-trans and hairpin conformers of unbranched alkanes?. Structural Chemistry, 2019, 30, 523-528.	2.0	2
842	Ï€â€Hole Interactions Involving Nitro Aromatic Ligands in Protein Structures. Chemistry - A European Journal, 2019, 25, 13436-13443.	3.3	34
843	Force Fields for Small Molecules. Methods in Molecular Biology, 2019, 2022, 21-54.	0.9	29
844	A transition-metal-free & diazo-free styrene cyclopropanation. Chemical Science, 2019, 10, 9374-9379.	7.4	29
845	Supramolecular Polymer Formation Featuring Cooperative Halogen Bonding and Nonconventional sp ² -CH···N Hydrogen Bonding. Crystal Growth and Design, 2019, 19, 5929-5933.	3.0	11
846	A Crystallographic Charge Density Study of the Partial Covalent Nature of Strong Nâ‹â‹â‹Br Halogen Bonds. Angewandte Chemie, 2019, 131, 15849-15853.	2.0	11
847	Distinct Crystalline Aromatic Structural Motifs: Identification, Classification, and Implications. Accounts of Chemical Research, 2019, 52, 3075-3086.	15.6	44
848	Contribution of Different Crystal Packing Forces in π-Stacking: From Noncovalent to Covalent Multicentric Bonding. Crystal Growth and Design, 2019, 19, 5967-5980.	3.0	40
849	Hierarchical self-assembly of organic heterostructure nanowires. Nature Communications, 2019, 10, 3839.	12.8	123
850	Catalysis of Organic Reactions through Halogen Bonding. ACS Catalysis, 2019, 9, 9622-9639.	11.2	280
851	Structure–activity relationship (SAR) study of some aliphatic and aromatics carboxyl– and α–amino–C–phosphonates congeneric esters and Schiff derivatives using a developed Köln–model (Hydractinia echinata Toxicity Screening Test System. VI.). Computational Toxicology, 2019, 12, 100099.	3.3	1
852	Fluorinated azobenzenes as supramolecular halogen-bonding building blocks. Beilstein Journal of Organic Chemistry, 2019, 15, 2013-2019.	2.2	9
853	Photo- and dioxygen-enabled radical C(sp ³)–N(sp ²) cross-coupling between guanidines and perfluoroalkyl iodides. Organic and Biomolecular Chemistry, 2019, 17, 8695-8700.	2.8	7
854	Temperature-induced molecular reorganization on Au(111) driven by oligomeric defects. Nanoscale, 2019, 11, 19468-19476.	5.6	9
855	Mechanism and Origins of Enantioselectivities in Spirobiindane-Based Hypervalent Iodine(III)-Induced Asymmetric Dearomatizing Spirolactonizations. Journal of the American Chemical Society, 2019, 141, 16046-16056.	13.7	52
856	Crystal Engineering of 1-Halopolyynes by End-Group Manipulation. Crystal Growth and Design, 2019, 19, 6542-6551.	3.0	4
857	Intermolecular Non-Covalent Carbon-Bonding Interactions with Methyl Groups: A CSD, PDB and DFT Study. Molecules, 2019, 24, 3370.	3.8	34

#	Article	IF	CITATIONS
858	Charge density distribution in the crystals of <i>N-n</i> -butyltetrachlorophthalimide. Atoms-in-molecules analysis of different types of halogen interactions. CrystEngComm, 2019, 21, 7048-7056.	2.6	3
859	Statistical Prevalence versus Energetic Contributions of F···F, F···H, and F···C Intermolecular Interactions in 4-Trifluorotoluenesulfonamide Crystals. Crystal Growth and Design, 2019, 19, 6296-6307.	3.0	3
860	The supramolecular assemblies based on heteroatom-containing triangulenes. Materials Chemistry Frontiers, 2019, 3, 2308-2325.	5.9	13
861	Halogen Bonding beyond Crystals in Materials Science. Journal of Physical Chemistry B, 2019, 123, 9281-9290.	2.6	95
862	Crystal structures of salts and cocrystal of 1,3,5-triazine derivatives with thiophene carboxylic acid derivatives: an investigation on supramolecular interactions. SN Applied Sciences, 2019, 1, 1.	2.9	2
863	NCI-ELMO: A New Method To Quickly and Accurately Detect Noncovalent Interactions in Biosystems. Journal of Chemical Theory and Computation, 2019, 15, 6456-6470.	5.3	21
864	Crystal structure and evaluating C Hâ<⁻Ï€ (aryl/chelate) interactions in bis(2-{[(2-hydroxyethyl)imino]-methyl}-4,6-diiodophenolato)-palladium(II) Schiff base complex derived from (E)-2-(((2-hydroxyethyl)imino)methyl)-4,6-diiodophenol. Inorganica Chimica Acta, 2019, 498, 119118.	2.4	4
865	Impact of Minor Structural Modifications on Properties of a Series of mTOR Inhibitors. ACS Medicinal Chemistry Letters, 2019, 10, 1561-1567.	2.8	5
866	Whole Body PET Imaging with a Norepinephrine Transporter Probe 4-[18F]Fluorobenzylguanidine: Biodistribution and Radiation Dosimetry. Molecular Imaging and Biology, 2019, 21, 686-695.	2.6	2
867	Organic molecular tessellations and intertwined double helices assembled by halogen bonding. CrystEngComm, 2019, 21, 1130-1136.	2.6	9
868	Electrochemically driven interfacial halogen bonding on self-assembled monolayers for anion detection. Chemical Communications, 2019, 55, 1983-1986.	4.1	25
869	Infinite and discrete halogen bonded assemblies based upon 1,2-bis(iodoethynyl)benzene. CrystEngComm, 2019, 21, 990-993.	2.6	9
870	Ultralow surface energy self-assembled monolayers of iodo-perfluorinated alkanes on silica driven by halogen bonding. Nanoscale, 2019, 11, 2401-2411.	5.6	8
871	Halogen Bonding Interactions for Aromatic and Nonaromatic Explosive Detection. ACS Sensors, 2019, 4, 389-397.	7.8	23
872	Tetrel bonding interactions at work: Impact on tin and lead coordination compounds. Coordination Chemistry Reviews, 2019, 384, 107-125.	18.8	148
873	Halogen Substituent Effects on Concentration-Controlled Self-Assembly of Fluorenone Derivatives: Halogen Bond versus Hydrogen Bond. Journal of Physical Chemistry C, 2019, 123, 4349-4359.	3.1	25
874	The Alkyne Moiety as a Latent Electrophile in Irreversible Covalent Small Molecule Inhibitors of Cathepsin K. Journal of the American Chemical Society, 2019, 141, 3507-3514.	13.7	72
875	Calculation of VS,max and Its Use as a Descriptor for the Theoretical Calculation of pKa Values for Carboxylic Acids. Molecules, 2019, 24, 79.	3.8	13

#	Article	IF	CITATIONS
876	Featuring I···N Halogen Bond and Weaker Interactions in Iodoperfluoroalkylimidazoles: An Experimental and Theoretical Charge Density Study. Crystal Growth and Design, 2019, 19, 1621-1631.	3.0	12
877	Halogen bonding effects on the outcome of reactions at metal centres. Chemical Communications, 2019, 55, 2380-2383.	4.1	23
878	Recent studies of docking and molecular dynamics simulation for liquidâ€phase enantioseparations. Electrophoresis, 2019, 40, 1881-1896.	2.4	37
879	Chiral Heterobimetallic Bismuth–Rhodium Paddlewheel Catalysts: A Conceptually New Approach to Asymmetric Cyclopropanation. Angewandte Chemie - International Edition, 2019, 58, 3557-3561.	13.8	32
880	A Robust Salty Water Adhesive by Counterion Exchange Induced Coacervate. Macromolecular Rapid Communications, 2019, 40, e1800758.	3.9	14
881	An enantioconvergent halogenophilic nucleophilic substitution (S _N 2X) reaction. Science, 2019, 363, 400-404.	12.6	100
882	Hydrogen Bond versus Halogen Bond in HXOn (X = F, Cl, Br, and I) Complexes with Lewis Bases. Inorganics, 2019, 7, 9.	2.7	12
883	Weak Pnictogen Bond with Bismuth: Experimental Evidence Based on Biâ^'P Through‣pace Coupling. Chemistry - A European Journal, 2019, 25, 4017-4024.	3.3	39
884	Predicting the halogenâ€ <i>n</i> (<i>n</i> = 3–6) synthons to form the "windmill―pattern bonding based on the halogenâ€bonded interactions. Journal of Computational Chemistry, 2019, 40, 1219-1226.	3.3	13
885	The Structure and Characterization of 3,4,5-Triiodo-2-Methylthiophene: An Unexpected Iodination Product of 2-Methylthiophene. Journal of Chemical Crystallography, 2019, 49, 206-212.	1.1	1
886	Synthesis and structural characterization of transition metal dithiolene derivatives containing divalent metals as counter-cations. CrystEngComm, 2019, 21, 1423-1432.	2.6	2
887	New Crystal Forms for Biologically Active Compounds. Part 1: Noncovalent Interactions in Adducts of Nevirapine with XB Donors. Crystals, 2019, 9, 71.	2.2	16
888	Is the Fluorine in Molecules Dispersive? Is Molecular Electrostatic Potential a Valid Property to Explore Fluorine-Centered Non-Covalent Interactions?. Molecules, 2019, 24, 379.	3.8	69
889	Structural insights into methyl- or methoxy-substituted 1-(α-aminobenzyl)-2-naphthol structures: the role of C—Hπ interactions. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 189-195.	0.5	10
890	The capricious nature of iodine catenation in I ₂ excess, perovskite-derived hybrid Pt(<scp>iv</scp>) compounds. Chemical Communications, 2019, 55, 588-591.	4.1	14
891	Light-mediated copper-catalyzed phosphorus/halogen exchange in 1,1-difluoroalkylphosphonium salts. Chemical Communications, 2019, 55, 1314-1317.	4.1	23
892	A self-assembled nanotube supported by halogen bonding interactions. CrystEngComm, 2019, 21, 786-790.	2.6	9
893	Recognition of the ï€-hole donor ability of iodopentafluorobenzene – a conventional σ-hole donor for crystal engineering involving halogen bonding. CrystEngComm, 2019, 21, 616-628.	2.6	56

#	Article	IF	CITATIONS
894	The nature of interactions of benzene with CF ₃ I and CF ₃ CH ₂ I. Chemical Communications, 2019, 55, 175-178.	4.1	9
895	Methanesulfonyl-polarized halogen bonding enables strong halide recognition in an arylethynyl anion receptor. Chemical Communications, 2019, 55, 1919-1922.	4.1	18
896	Wheel-and-axle topology-driven halogen bonds: formation of ladder, 1D and 2D networks in hexa-coordinated Sn(<scp>iv</scp>) porphyrins. CrystEngComm, 2019, 21, 1150-1158.	2.6	11
897	Intermolecular Interaction in Methylene Halide (CH2F2, CH2Cl2, CH2Br2 and CH2l2) Dimers. Molecules, 2019, 24, 1810.	3.8	6
898	Tetrel bonding interaction: an analysis with the block-localized wavefunction (BLW) approach. Physical Chemistry Chemical Physics, 2019, 21, 11776-11784.	2.8	18
899	Halogen bonding in halocarbon-protein complexes and computational tools for rational drug design. Expert Opinion on Drug Discovery, 2019, 14, 805-820.	5.0	36
900	Aqueous dispersions of thienoisoindigo-based semiconductor nanorods assembled with 2-bromobenzaldehyde and a phospholipid. Journal of Molecular Liquids, 2019, 288, 111046.	4.9	2
901	A Million Crystal Structures: The Whole Is Greater than the Sum of Its Parts. Chemical Reviews, 2019, 119, 9427-9477.	47.7	191
902	Potential-Induced High-Conductance Transport Pathways through Single-Molecule Junctions. Journal of the American Chemical Society, 2019, 141, 10109-10116.	13.7	16
903	Triptycene Endâ€Capped Quinoxalinophenanthrophenazines (QPPs): Influence of Substituents and Conditions on Aggregation in the Solid State. Chemistry - A European Journal, 2019, 25, 11121-11134.	3.3	23
904	Divergent and Chemoselective Transformations of Thioamides with Designed Carbene Equivalents. Chemistry - A European Journal, 2019, 25, 10314-10318.	3.3	13
905	Directing Traffic: Halogenâ€Bondâ€Mediated Membrane Transport. Chemistry - A European Journal, 2019, 25, 11180-11192.	3.3	8
906	Halogen bonding in differently charged complexes: basic profile, essential interaction terms and intrinsic Ïf-hole. Physical Chemistry Chemical Physics, 2019, 21, 15106-15119.	2.8	37
907	Motional Dynamics of Halogenâ€Bonded Complexes Probed by Lowâ€Field NMR Relaxometry and Overhauser Dynamic Nuclear Polarization. Chemistry - an Asian Journal, 2019, 14, 2785-2789.	3.3	3
908	"Like–like―tetrel bonding interactions between Sn centres: a combined <i>ab initio</i> and CSD study. Dalton Transactions, 2019, 48, 11208-11216.	3.3	18
909	Four enter Nodes: Supramolecular Synthons Based on Cyclic Halogen Bonding. Chemistry - A European Journal, 2019, 25, 13671-13675.	3.3	28
910	Single-Crystal NMR Characterization of Halogen Bonds. Journal of Physical Chemistry A, 2019, 123, 6194-6209.	2.5	17
911	Pyridine-based complexes of copper(II) chloride and bromide: ligand conformation effects on crystal structure. Synthesis, structure and magnetic behavior of Cu(2-Cl-3-X′py)2X2[X, X′ = Cl, Br]. Journal of Coordination Chemistry, 2019, 72, 1785-1809.	2.2	15

#	Article	IF	CITATIONS
912	Pillararene-Based Supramolecular Polymer. , 2019, , 1-42.		0
913	Iodosylbenzene Coordination Chemistry Relevant to Metal–Organic Framework Catalysis. Inorganic Chemistry, 2019, 58, 10543-10553.	4.0	14
914	A halogen-bonding-catalysed Nazarov cyclisation reaction. Chemical Communications, 2019, 55, 8262-8265.	4.1	46
915	Iodine-Catalyzed Nazarov Cyclizations. Journal of Organic Chemistry, 2019, 84, 7587-7605.	3.2	32
916	Monohalogenated carbamates where hydrogen bonding rules without halogen bonding: is there a link between poor carbamate crystal growth and <i>Z</i> ′ > 1?. CrystEngComm, 2019, 21, 4048-4062.	2.6	4
917	The role of halogen substituents and substrate pKa in defining the substrate specificity of 2,6-dichlorohydroquinone 1,2-dioxygenase (PcpA). Journal of Biological Inorganic Chemistry, 2019, 24, 575-589.	2.6	0
918	Spectroscopic Measurement of a Halogen Bond Energy. Angewandte Chemie - International Edition, 2019, 58, 11400-11403.	13.8	17
919	Role of Cas-Phase Halogen Bonding in Ambient Chemical Ionization Mass Spectrometry Utilizing Iodine. ACS Earth and Space Chemistry, 2019, 3, 1315-1328.	2.7	3
920	Adenine as a Halogen Bond Acceptor: A Combined Experimental and DFT Study. Crystals, 2019, 9, 224.	2.2	16
921	Halogenâ€Bondingâ€Induced Conjugate Addition of Thiophenes to Enones and Enals. Chemistry - an Asian Journal, 2019, 14, 2656-2661.	3.3	27
922	Halogen Bonding in a Crystalline Sponge. Inorganic Chemistry, 2019, 58, 7649-7652.	4.0	7
923	Pnicogen and tetrel bonds—tetrahedral Lewis acid centres. Structural Chemistry, 2019, 30, 1141-1152.	2.0	50
924	Halogen bonding with the halogenabenzene bird structure, halobenzene, and halocyclopentadiene. Journal of Computational Chemistry, 2019, 40, 2111-2118.	3.3	4
925	Metal-Bound Nitrate Anion as an Acceptor for Halogen Bonds in Mono-Halopyridine-Copper(II) Nitrate Complexes. Crystal Growth and Design, 2019, 19, 3815-3824.	3.0	7
926	Gallic Acid Dimer As a Double π–Hole Donor: Evidence from X-ray, Theoretical Calculations, and Generalization from the Cambridge Structural Database. Crystal Growth and Design, 2019, 19, 3989-3997.	3.0	10
927	Tackling Halogenated Species with PBSA: Effect of Emulating the σ-Hole. Journal of Chemical Theory and Computation, 2019, 15, 4241-4251.	5.3	15
928	What Is the Nature of Supramolecular Bonding? Comprehensive NBO/NRT Picture of Halogen and Pnicogen Bonding in RPH2···IF/FI Complexes (R = CH3, OH, CF3, CN, NO2). Molecules, 2019, 24, 2090.	3.8	18
929	Classical Electrostatic Interaction Is the Origin for Blue-Shifting Halogen Bonds. Inorganic Chemistry, 2019, 58, 8577-8586.	4.0	11

#	Article	IF	CITATIONS
930	Ligands and Receptors with Broad Binding Capabilities Have Common Structural Characteristics: An Antibiotic Design Perspective. Journal of Medicinal Chemistry, 2019, 62, 9357-9374.	6.4	9
931	Spectroscopic Measurement of a Halogen Bond Energy. Angewandte Chemie, 2019, 131, 11522-11525.	2.0	3
932	A study of donor-acceptor interaction in halogen bonded complexes of N-iodosuccinimide by 14N NQR. Chemical Physics, 2019, 523, 12-17.	1.9	3
933	Halogen bonding-assisted formation of one-dimensional polybromide–bromotellurate (2-ClPyH) ₂ {[TeBr ₆](Br ₂)}. Journal of Coordination Chemistry, 2019, 72, 1890-1898.	2.2	6
934	Structural Comparison of Enterococcus faecalis and Human Thymidylate Synthase Complexes with the Substrate dUMP and Its Analogue FdUMP Provides Hints about Enzyme Conformational Variabilities. Molecules, 2019, 24, 1257.	3.8	17
935	Catalysis Based on Câ^'lâ‹â‹â‹ï€ Halogen Bonds: Electrophilic Activation of 2â€Alkenylindoles by Cationic Halogenâ€Bond Donors for [4+2] Cycloadditions. Angewandte Chemie, 2019, 131, 10326-10330.	2.0	14
936	Halogenâ€Bondâ€Mediated Selfâ€Assembly of Polymer–Resorcinarene Complexes. Macromolecular Rapid Communications, 2019, 40, 1900158.	3.9	11
937	Bacterial Tetrabromopyrrole Debrominase Shares a Reductive Dehalogenation Strategy with Human Thyroid Deiodinase. Biochemistry, 2019, 58, 5329-5338.	2.5	13
938	Interplay of Intra- and Intermolecular Interactions in Solid Iodine at Low Temperatures: Experimental and Theoretic Spectroscopy Study. Journal of Physical Chemistry A, 2019, 123, 4575-4580.	2.5	7
939	Halogen bonds in N-bromosuccinimide and other N-halosuccinimides. Structural Chemistry, 2019, 30, 2205-2215.	2.0	6
940	Unexpected chalcogen bonds in tetravalent sulfur compounds. Physical Chemistry Chemical Physics, 2019, 21, 11313-11319.	2.8	41
941	Halogen Bonding Helicates Encompassing Iodonium Cations. Angewandte Chemie - International Edition, 2019, 58, 9012-9016.	13.8	66
942	Interplay between n→ï€* Interactions and Dynamic Covalent Bonds: Quantification and Modulation by Solvent Effects. Journal of the American Chemical Society, 2019, 141, 8825-8833.	13.7	24
943	N-triflyl-propiolamides: Preparation and transamidation reactions. Tetrahedron, 2019, 75, 3586-3595.	1.9	18
944	Heteroleptic Cu(II) iodoacetate complex: Appearance of halogen bonding in solid state. Inorganic Chemistry Communication, 2019, 105, 221-224.	3.9	11
945	Halogen Bonding Helicates Encompassing Iodonium Cations. Angewandte Chemie, 2019, 131, 9110-9114.	2.0	16
946	Catalysis Based on Câ^'lâ‹â‹î€ Halogen Bonds: Electrophilic Activation of 2â€Alkenylindoles by Cationic Halogenâ€Bond Donors for [4+2] Cycloadditions. Angewandte Chemie - International Edition, 2019, 58, 10220-10224.	13.8	47
947	Synthesis and Evaluation of Azoliumâ€Based Halogenâ€Bond Donors. Chemistry - A European Journal, 2019, 25, 10069-10073.	3.3	49

#	Article	IF	CITATIONS
948	2-Chlorobenzoate Complex of Cu(II): Unexpected Appearance of Halogen···Halogen Contacts in Solid State. Journal of Cluster Science, 2019, 30, 857-861.	3.3	11
949	Energy framework approach to the supramolecular reactions: interplay of the secondary bonding interaction in Ph ₂ E ₂ (E = Se, Te)/ <i>p</i> -I-C ₆ F ₄ -I co-crystals. New Journal of Chemistry, 2019, 43, 7941-7949.	2.8	22
950	[2+2] Halogen-bonded boxes employing azobenzenes. Chemical Communications, 2019, 55, 8768-8771.	4.1	10
951	Structures of clusters surrounding ions stabilized by hydrogen, halogen, chalcogen, and pnicogen bonds. Chemical Physics, 2019, 524, 55-62.	1.9	13
952	Chirality-dependent halogen bonds in axially chiral quinazolin-4-one derivatives bearing <i>ortho</i> -halophenyl groups. CrystEngComm, 2019, 21, 3385-3389.	2.6	5
953	Organocatalysis by a multidentate halogen-bond donor: an alternative to hydrogen-bond based catalysis. New Journal of Chemistry, 2019, 43, 8311-8314.	2.8	24
954	Highly functionalised (γ-azido/γ-fluoro-β-iodo/)vinyl derivatives from phosphorus based allenes or allenoates: I⋯O halogen bonding interactions. Organic and Biomolecular Chemistry, 2019, 17, 5736-5748.	2.8	9
955	Weak Interactions in Interstellar Chemistry: How Do Open Shell Molecules Interact with Closed Shell Molecules?. ACS Earth and Space Chemistry, 2019, 3, 1080-1095.	2.7	9
956	Structural Insights into the Development of Cycloguanil Derivatives as <i>Trypanosoma brucei</i> Pteridine-Reductase-1 Inhibitors. ACS Infectious Diseases, 2019, 5, 1105-1114.	3.8	14
957	Nature of halogenâ€centered intermolecular interactions in crystal growth and design: Fluorineâ€centered interactions in dimers in crystalline hexafluoropropylene as a prototype. Journal of Computational Chemistry, 2019, 40, 1836-1860.	3.3	17
958	Halogen bonding and host–guest chemistry between <i>N</i> -alkylammonium resorcinarene halides, diiodoperfluorobutane and neutral guests. Beilstein Journal of Organic Chemistry, 2019, 15, 947-954.	2.2	6
959	The Hydrogen Bond and Beyond: Perspectives for Rotational Investigations of Nonâ€Covalent Interactions. Chemistry - A European Journal, 2019, 25, 11402-11411.	3.3	82
960	Benchmarking of Halogen Bond Strength in Solution with Nickel Fluorides: Bromine versus Iodine and Perfluoroaryl versus Perfluoroalkyl Donors. Chemistry - A European Journal, 2019, 25, 9237-9241.	3.3	13
961	Orthogonal Halogenâ€Bondingâ€Driven 3D Supramolecular Assembly of Rightâ€Handed Synthetic Helical Peptides. Angewandte Chemie, 2019, 131, 7860-7864.	2.0	6
962	Halogen Bond-Assisted Electron-Catalyzed Atom Economic Iodination of Heteroarenes at Room Temperature. Journal of Organic Chemistry, 2019, 84, 6642-6654.	3.2	27
963	Electrostatics and polarization determine the strength of the halogen bond: a red card for charge transfer. Journal of Molecular Modeling, 2019, 25, 125.	1.8	42
964	Iodine Clathrated: A Solid‣tate Analogue of the Iodine–Starch Complex. Chemistry - A European Journal, 2019, 25, 7485-7488.	3.3	3
965	Electrochemical activation of halogen bonding. Current Opinion in Electrochemistry, 2019, 15, 89-96.	4.8	21

#	ARTICLE	IF	Citations
966	Role of π–π Stacking and Halogen Bonding by 1,4-Diiodoperchlorobenzene To Organize the Solid State To Achieve a [2 + 2] Cycloaddition Reaction. Crystal Growth and Design, 2019, 19, 3092-3096.	3.0	32
967	Solving the enigma of weak fluorine contacts in the solid state: a periodic DFT study of fluorinated organic crystals. RSC Advances, 2019, 9, 12520-12537.	3.6	34
968	Synthesis, antimicrobial evaluation and docking study of triazole containing triaryl-1 <i>H</i> -imidazole. Synthetic Communications, 2019, 49, 1427-1435.	2.1	19
969	Polymeric Lead(II) Iodoacetate: Pb···I and I···I Non ovalent Interactions in the Solid State. European Journal of Inorganic Chemistry, 2019, 2019, 4221-4223.	2.0	9
970	Lone pairâ<ï€ interaction <i>versus</i> Ïf-hole appearance in metal-bonded halogens. CrystEngComm, 2019, 21, 2929-2939.	2.6	3
971	Copper(<scp>i</scp>) complexes of functionalized sulfur-containing ligands: structural and theoretical insights into chalcogen bonding. CrystEngComm, 2019, 21, 2675-2690.	2.6	4
972	Steering Two-Dimensional Porous Networks with Ï <i>f-</i> Hole Interactions of Br···S and Br···Br. Chemistry of Materials, 2019, 31, 3041-3048.	6.7	25
973	Reactivity of 4-Aminopyridine with Halogens and Interhalogens: Weak Interactions Supported Networks of 4-Aminopyridine and 4-Aminopyridinium. Crystal Growth and Design, 2019, 19, 2434-2445.	3.0	15
974	Probing non-covalent interactions driving molecular assembly in organo-electronic building blocks. CrystEngComm, 2019, 21, 3151-3157.	2.6	11
975	The diiodomethyl-sulfonyl moiety: an unexplored halogen bond-donor motif. Chemical Communications, 2019, 55, 4234-4237.	4.1	9
976	Halogen Bonds of Halotetrafluoropyridines in Crystals and Co rystals with Benzene and Pyridine. Chemistry - A European Journal, 2019, 25, 7339-7350.	3.3	14
977	Halogen and hydrogen bonding-driven self-assembly of supramolecular macrocycles and double helices from hydrogen-bonded arylamide foldamers. CrystEngComm, 2019, 21, 2626-2630.	2.6	15
978	Halogenated building blocks for 2D crystal engineering on solid surfaces: lessons from hydrogen bonding. Chemical Science, 2019, 10, 3881-3891.	7.4	32
979	Theoretical and Crystallographic Study of Lead(IV) Tetrel Bonding Interactions. Chemistry - A European Journal, 2019, 25, 6007-6013.	3.3	22
980	Temperature-Dependent Structural Properties, Phase Transition Behavior, and Dynamic Properties of a Benzene Derivative in the Solid State. Crystal Growth and Design, 2019, 19, 2155-2162.	3.0	2
981	Efficient Roomâ€Temperature Phosphorescence of a Solidâ€State Supramolecule Enhanced by Cucurbit[6]uril. Angewandte Chemie, 2019, 131, 6089-6093.	2.0	62
982	Efficient Roomâ€Temperature Phosphorescence of a Solidâ€6tate Supramolecule Enhanced by Cucurbit[6]uril. Angewandte Chemie - International Edition, 2019, 58, 6028-6032.	13.8	250
983	A Multistage Halogen Bond Catalyzed Strain-Release Glycosylation Unravels New Hedgehog Signaling Inhibitors. Journal of the American Chemical Society, 2019, 141, 5381-5391.	13.7	65

#	Article	IF	CITATIONS
984	An integrated urea and halogen bond donor based receptor for superior and selective sensing of phosphates. Dalton Transactions, 2019, 48, 4538-4546.	3.3	16
985	Theoretical ab Initio Study on Cooperativity Effects between Nitro Ï€â€hole and Halogen Bonding Interactions. ChemPhysChem, 2019, 20, 1135-1144.	2.1	21
986	Supramolecular synthons in fluorinated benzyl nitrophenyl sulfides. New Journal of Chemistry, 2019, 43, 5940-5947.	2.8	1
987	Hexagonal array formation by intermolecular halogen bonding using a binary blend of linear building blocks: STM study. Chemical Communications, 2019, 55, 3955-3958.	4.1	20
988	Induction of chirality in 4,4′-azopyridine by halogen-bonding interaction with optically active ditopic donors. New Journal of Chemistry, 2019, 43, 5512-5517.	2.8	0
989	Properties of FDA-approved small molecule protein kinase inhibitors. Pharmacological Research, 2019, 144, 19-50.	7.1	377
990	Halo-1,2,3-triazolium Salts as Halogen Bond Donors for the Activation of Imines in Dihydropyridinone Synthesis. Journal of Organic Chemistry, 2019, 84, 4294-4303.	3.2	52
991	Halogen Bonding: A Halogen-Centered Noncovalent Interaction Yet to Be Understood. Inorganics, 2019, 7, 40.	2.7	115
992	Fragment Hits: What do They Look Like and How do They Bind?. Journal of Medicinal Chemistry, 2019, 62, 3381-3394.	6.4	53
993	Orthogonal Halogenâ€Bondingâ€Driven 3D Supramolecular Assembly of Rightâ€Handed Synthetic Helical Peptides. Angewandte Chemie - International Edition, 2019, 58, 7778-7782.	13.8	41
994	Halogen bonding of the aldehyde oxygen atom in cocrystals of aromatic aldehydes and 1,4-diiodotetrafluorobenzene. CrystEngComm, 2019, 21, 3251-3255.	2.6	30
995	Solvent effects in palladium catalysed cross-coupling reactions. Green Chemistry, 2019, 21, 2164-2213.	9.0	203
996	Understanding Regium Bonds and their Competition with Hydrogen Bonds in Au ₂ :HX Complexes. ChemPhysChem, 2019, 20, 1572-1580.	2.1	38
997	Tunable chiral triazole-based halogen bond donors: assessment of donor strength in solution with nitrogen-containing acceptors. RSC Advances, 2019, 9, 11718-11721.	3.6	18
998	Halogen bonds in the crystal structure of 2-bromo-1,10-phenanthroline – 1,4-diiodotetrafluorobenzene (2/1), C ₃₀ H ₁₄ Br ₂ F ₄ I ₂ N ₄ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 469-471.	0.3	1
999	4-Halo-1,2,3-triazolylidenes: stable carbenes featuring halogen bonding. Dalton Transactions, 2019, 48, 6931-6941.	3.3	17
1000	Cyclohexane-Based Scaffold Molecules Acting as Anion Transport, Anionophores, via Noncovalent Interactions. Journal of Chemical Information and Modeling, 2019, 59, 2212-2217.	5.4	4
1001	Noncovalent Interactions between 1,3,5-Trifluoro-2,4,6-triiodobenzene and a Series of 1,10-Phenanthroline Derivatives: A Combined Theoretical and Experimental Study. Crystals, 2019, 9, 140.	2.2	5

#	Article	IF	Citations
1002	A Continuum from Halogen Bonds to Covalent Bonds: Where Do λ3 Iodanes Fit?. Inorganics, 2019, 7, 47.	2.7	39
1003	Halobismuthates with 3-iodopyridinium cations: Halogen bonding-assisted crystal packing. Polyhedron, 2019, 166, 137-140.	2.2	26
1004	A valence bond description of the bromine halogen bond. International Journal of Quantum Chemistry, 2019, 119, e25946.	2.0	4
1005	Substantiation to structure-property of pyrazine-based compounds by undeniable impress of its different connectivities. Journal of Molecular Structure, 2019, 1188, 129-141.	3.6	16
1006	Description of halogen bonding in semiempirical quantumâ€mechanical and selfâ€consistent charge densityâ€functional tightâ€binding methods. Journal of Computational Chemistry, 2019, 40, 1633-1642.	3.3	7
1007	Mixed Fluorinated/Hydrogenated Selfâ€Assembled Monolayerâ€Protected Gold Nanoparticles: In Silico and In Vitro Behavior. Small, 2019, 15, e1900323.	10.0	18
1008	Versatile supramolecular binding modes of 1,4-diiodotetrafluorobenzene for molecular cocrystal engineering. Journal of Molecular Structure, 2019, 1187, 132-137.	3.6	3
1009	Cyclic dimers of formamidine with its N-halogenated formamidine analogues: Structure, energetics, and proton-halonium transfer. Computational and Theoretical Chemistry, 2019, 1153, 1-11.	2.5	1
1010	Photoluminescent Anisotropy Amplification in Polymorphic Organic Nanocrystals by Light-Harvesting Energy Transfer. Journal of the American Chemical Society, 2019, 141, 6157-6161.	13.7	92
1011	Oriented External Electric Fields: Tweezers and Catalysts for Reactivity in Halogen-Bond Complexes. Journal of the American Chemical Society, 2019, 141, 7122-7136.	13.7	57
1012	Periphery Design of Macrocyclic Materials for Organic Light-Emitting Devices with a Blue Phosphorescent Emitter. Organic Letters, 2019, 21, 2759-2762.	4.6	5
1013	Modeling halogen bonding with planewave density functional theory: Accuracy and challenges. Journal of Computational Chemistry, 2019, 40, 1829-1835.	3.3	6
1014	Targeting ERK1/2 protein-serine/threonine kinases in human cancers. Pharmacological Research, 2019, 142, 151-168.	7.1	202
1015	Differential Binding of Tetrel-Bonding Bipodal Receptors to Monatomic and Polyatomic Anions. Molecules, 2019, 24, 227.	3.8	21
1016	Halogen bonding as a supramolecular dynamics catalyst. Nature Communications, 2019, 10, 916.	12.8	72
1017	Halogen and chalcogen-bonding interactions in sulphur-rich π-electron acceptors. CrystEngComm, 2019, 21, 1934-1939.	2.6	6
1018	Anion Recognition in Water by Charge-Neutral Halogen and Chalcogen Bonding Foldamer Receptors. Journal of the American Chemical Society, 2019, 141, 4119-4129.	13.7	174
1019	Chiral Heterobimetallic Bismuth–Rhodium Paddlewheel Catalysts: A Conceptually New Approach to Asymmetric Cyclopropanation. Angewandte Chemie, 2019, 131, 3595-3599.	2.0	7

ATION RE

#	Article	IF	CITATIONS
1020	Interplay of Halogen Bonding and Hydrogen Bonding in the Cocrystals and Salts of Dihalogens and Trihalides with <i>N</i> , <i>N</i> ′-Bis(3-pyridylacrylamido) Derivatives: Phosphorescent Organic Salts. Crystal Growth and Design, 2019, 19, 2175-2188.	3.0	12
1021	Not Your Usual Bioisostere: Solid State Study of 3D Interactions in Cubanes. Chemistry - A European Journal, 2019, 25, 6941-6954.	3.3	17
1022	Anomalous Halogen–Halogen Interaction Assists Radial Chromophoric Assembly. Journal of the American Chemical Society, 2019, 141, 4536-4540.	13.7	37
1023	Blue-emitting bolaamphiphilic zwitterionic iridium(<scp>iii</scp>) complex. Dalton Transactions, 2019, 48, 3664-3670.	3.3	4
1024	Longer Cations Increase Energetic Disorder in Excitonic 2D Hybrid Perovskites. Journal of Physical Chemistry Letters, 2019, 10, 1198-1205.	4.6	75
1025	A Simple Model for Halogen Bond Interaction Energies. Inorganics, 2019, 7, 19.	2.7	11
1026	Iodination of terminal alkynes using KI/CuSO4 – A facile method with potential for radio-iodination. Tetrahedron Letters, 2019, 60, 936-939.	1.4	7
1027	Supramolecular polymers derived from the PtII and PdII schiff base complexes via C(sp2)–H … Hal hydrogen bonding: Combined experimental and theoretical study. Journal of Organometallic Chemistry, 2019, 886, 71-75.	1.8	36
1028	Pyridine <i>N</i> -Oxide Catalyzed Living Radical Polymerization of Methacrylates via Halogen Bonding Catalysis. Macromolecules, 2019, 52, 2156-2163.	4.8	37
1029	Noncovalent interactions in metal complex catalysis. Coordination Chemistry Reviews, 2019, 387, 32-46.	18.8	207
1030	Association of Halogen Bonding and Hydrogen Bonding in Metal Acetate-Catalyzed Asymmetric Halolactonization. IScience, 2019, 12, 280-292.	4.1	40
1031	A comparison between hydrogen and halogen bonding: the hypohalous acid–water dimers, HOXâ <h<sub>2O (X = F, Cl, Br). Physical Chemistry Chemical Physics, 2019, 21, 6160-6170.</h<sub>	2.8	28
1032	Halogen bonding in UiO-66 frameworks promotes superior chemical warfare agent simulant degradation. Chemical Communications, 2019, 55, 3481-3484.	4.1	68
1033	Organic Cocrystals: Beyond Electrical Conductivities and Fieldâ€Effect Transistors (FETs). Angewandte Chemie, 2019, 131, 9798-9813.	2.0	41
1034	Organic Cocrystals: Beyond Electrical Conductivities and Fieldâ€Effect Transistors (FETs). Angewandte Chemie - International Edition, 2019, 58, 9696-9711.	13.8	234
1035	Controlled α-mono- and α,α-di-halogenation of alkyl sulfones using reagent–solvent halogen bonding. Chemical Communications, 2019, 55, 2912-2915.	4.1	5
1036	Temperature dependences of electric properties of tetramethylammonium mono- and pentaiodide. Journal of Advanced Dielectrics, 2019, 09, 1950052.	2.4	2

#	Article	IF	CITATIONS
1038	Halogen bonds in the crystal structure of 5-bromo-3,4â€2-bipyridine – 1,4-diiodotetrafluorobenzene (2/1), C ₂₆ H ₁₄ Br ₂ F ₄ I ₂ N ₄ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 1187-1188.	0.3	1
1039	Chiral Hypervalent Iodines: Active Players in Asymmetric Synthesis. Chemical Reviews, 2019, 119, 12033-12088.	47.7	139
1040	Synthesis and characterization of a manganese(III) schiff base complex and exploration of Br···Br interaction in the solid state structure of the complex. Journal of Coordination Chemistry, 2019, 72, 3237-3247.	2.2	3
1041	Halogen bonds in the crystal structure of 4,3:5,4-terpyridine – 1,4-diiodotetrafluorobenzene (1/1), C ₂₁ H ₁₁ F ₄ I ₂ N ₃ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 935-937.	0.3	2
1042	Crystal structure of 1-(4-chloro-2-hydroxy-5-iodophenyl)ethan-1-one, C ₈ H ₆ ClIO ₂ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 235, 81-83.	0.3	0
1043	Crystal structure of (4-chloro- <i>N</i> -[(2-oxido-5-chlorophenyl)methylidene]) Tj ETQq1 1 0.784314 rgBT /Overle C ₂₈ H ₂₀ Cl ₂ F ₂ N ₂ O ₂ Sn. Zeitschrift Fur Kristallographie - New Crystal Structures. 2019. 235, 151-153.	ock 10 Tf 5 0.3	0 552 Td (b 4
1044	Cocrystal trimorphism as a consequence of the orthogonality of halogen- and hydrogen-bonds synthons. Chemical Communications, 2019, 55, 14066-14069.	4.1	13
1045	Halogenated tetraphenylethene with enhanced aggregation-induced emission: an anomalous anti-heavy-atom effect and self-reversible mechanochromism. Chemical Communications, 2019, 55, 14938-14941.	4.1	55
1046	Halogen bonding in 5-iodo-1-arylpyrazoles investigated in the solid state and predicted by solution ¹³ C-NMR spectroscopy. CrystEngComm, 2019, 21, 7085-7093.	2.6	15
1047	Regioselective [2 + 2] cycloaddition reaction within a pair of polymorphic co-crystals based upon halogen bonding interactions. CrystEngComm, 2019, 21, 6671-6675.	2.6	17
1048	Rotational characterization of Sâ< F chalcogen bonds in the complex of 2,2,4,4-tetrafluoro-1,3-dithietane and difluoromethane. Physical Chemistry Chemical Physics, 2019, 21, 24659-24665.	2.8	7
1049	Unraveling the regioselectivity of odd electron halogen bond formation using electrophilicity index and chemical hardness parameters. Physical Chemistry Chemical Physics, 2019, 21, 26580-26590.	2.8	15
1050	Cooperation and competition of hydrogen and halogen bonds in 2D self-assembled nanostructures based on bromine substituted coumarins. New Journal of Chemistry, 2019, 43, 17182-17187.	2.8	16
1051	The first two examples of halogen bonding with a sigma hole-donating fluorine in the C _{sp3} –Fâ‹O _{sp3} interaction from polyfluorinated <i>trans</i> -dihalo-palladium(<scp>ii</scp>) di-substituted pyridine complexes. Chemical Communications, 2019, 55, 14259-14262.	4.1	14
1052	Aggregation-enhanced emissive mechanofluorochromic carbazole-halogen positional isomers: tunable fluorescence <i>via</i> conformational polymorphism and crystallization-induced fluorescence switching. CrystEngComm, 2019, 21, 6604-6612.	2.6	26
1053	An efficient synthesis of benzothiazole using tetrabromomethane as a halogen bond donor catalyst. Organic and Biomolecular Chemistry, 2019, 17, 9743-9756.	2.8	17
1054	Influence of the <i>cis</i> / <i>trans</i> configuration on the supramolecular aggregation of aryltriazoles. Beilstein Journal of Organic Chemistry, 2019, 15, 2881-2888.	2.2	1
1055	A Raman Spectroscopic and Computational Study of New Aromatic Pyrimidine-Based Halogen Bond Acceptors. Inorganics, 2019, 7, 119.	2.7	6

#	Article	IF	CITATIONS
1056	Synthesis, Structure, and Luminescence Properties of Boron Complex with 4-Bromo-2-(1H-imidazo[4,5-f][1,10]phenanthrolin-2-yl)phenoxide Ligand. Russian Journal of General Chemistry, 2019, 89, 2246-2250.	0.8	0
1057	Chiral Chalcogen Bond Donors Based on the 4,4′-Bipyridine Scaffold. Molecules, 2019, 24, 4484.	3.8	26
1058	Triptycene End-Capped Quinoxalinophenanthrophenazines with Aromatic Substituents – Synthesis, Characterization, and Single-Crystal Structure Analysis. Organic Materials, 2019, 01, 050-062.	2.0	9
1059	Halogen-Bond Assisted Photoinduced Electron Transfer. Molecules, 2019, 24, 4361.	3.8	4
1060	Could Quantum Mechanical Properties Be Reflected on Classical Molecular Dynamics? The Case of Halogenated Organic Compounds of Biological Interest. Frontiers in Chemistry, 2019, 7, 848.	3.6	13
1061	Halogen bonding in the structures of pentaiodobenzoic acid and its salts. CrystEngComm, 2019, 21, 6666-6670.	2.6	21
1062	Halogen bond-assisted self-assembly of gold nanoparticles in solution and on a planar surface. Nanoscale, 2019, 11, 18407-18415.	5.6	11
1063	Comparative investigation of interactions of hydrogen, halogen and tetrel bond donors with electron-rich and electron-deficient π-systems. RSC Advances, 2019, 9, 32811-32820.	3.6	22
1064	The nature of Gâ< E†Y Ïf (3c†4e) in <i>>o</i> -Me _n GCH ₂ C ₆ H ₄ EY (Me _n G =) Tj ETQqC and compliance constants in noncovalent Gâ< interactions. RSC Advances. 2019. 9. 39435-39446.	0.0 rgBT	/Oyerlock 10
1065	Chalcogen Bonding: An Overview. Angewandte Chemie - International Edition, 2019, 58, 1880-1891.	13.8	435
1065 1066	Chalcogen Bonding: An Overview. Angewandte Chemie - International Edition, 2019, 58, 1880-1891. Chalkogenbrücken: eine Übersicht. Angewandte Chemie, 2019, 131, 1896-1907.	13.8 2.0	4 35 84
1065 1066 1067	Chalcogen Bonding: An Overview. Angewandte Chemie - International Edition, 2019, 58, 1880-1891. Chalkogenbrücken: eine Übersicht. Angewandte Chemie, 2019, 131, 1896-1907. Tetrachloromethane as halogen bond donor toward metal-bound halides. Zeitschrift Fur Kristallographie - Crystalline Materials, 2019, 234, 9-17.	13.8 2.0 0.8	435 84 24
1065 1066 1067 1068	Chalcogen Bonding: An Overview. Angewandte Chemie - International Edition, 2019, 58, 1880-1891. Chalkogenbrücken: eine Übersicht. Angewandte Chemie, 2019, 131, 1896-1907. Tetrachloromethane as halogen bond donor toward metal-bound halides. Zeitschrift Fur Kristallographie - Crystalline Materials, 2019, 234, 9-17. Nonâ€Classical Synthons: Supramolecular Recognition by Sâ<â <o -="" 2019,="" 25,="" 3591-3597.<="" a="" bonding="" chalcogen="" chemistry="" complexes="" european="" in="" journal,="" molecular="" of="" riluzole.="" td=""></o>	13.8 2.0 0.8 3.3	 435 84 24 28
1065 1066 1067 1068	Chalcogen Bonding: An Overview. Angewandte Chemie - International Edition, 2019, 58, 1880-1891. Chalkogenbrücken: eine Übersicht. Angewandte Chemie, 2019, 131, 1896-1907. Tetrachloromethane as halogen bond donor toward metal-bound halides. Zeitschrift Fur Kristallographie - Crystalline Materials, 2019, 234, 9-17. Nonâ€Classical Synthons: Supramolecular Recognition by Sâ<â<ô Chalcogen Bonding in Molecular Complexes of Riluzole. Chemistry - A European Journal, 2019, 25, 3591-3597.	13.8 2.0 0.8 3.3 0.5	 435 84 24 28 0
1065 1066 1067 1068 1069	Chalcogen Bonding: An Overview. Angewandte Chemie - International Edition, 2019, 58, 1880-1891.ChalkogenbrÃi/4cken: eine Übersicht. Angewandte Chemie, 2019, 131, 1896-1907.Tetrachloromethane as halogen bond donor toward metal-bound halides. Zeitschrift Fur Kristallographie - Crystalline Materials, 2019, 234, 9-17.Nonã€Classical Synthons: Supramolecular Recognition by Sâ<â<ô	 13.8 2.0 0.8 3.3 0.5 3.0 	 435 84 24 28 0 16
1065 1066 1067 1068 1069 1070	Chalcogen Bonding: An Overview. Angewandte Chemie - International Edition, 2019, 58, 1880-1891.Chalkogenbrļcken: eine Übersicht. Angewandte Chemie, 2019, 131, 1896-1907.Tetrachloromethane as halogen bond donor toward metal-bound halides. Zeitschrift Fur Kristallographie - Crystalline Materials, 2019, 234, 9-17.Nonâ€Classical Synthons: Supramolecular Recognition by Sâ<â<â <o bonding="" chalcogen="" in="" molecular<br=""></o> Complexes of Riluzole. Chemistry - A European Journal, 2019, 25, 3591-3597.Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. Topics in Current Chemistry Collections, 2019, , 229-262.Chalcogen Bonds in Crystals of Bis(<i>o</i> -anilinium)diselenide Salts. Crystal Growth and Design, 2019, 19, 1149-1154.Quadrupole Correction: From Molecular Electrostatic Potential to Free Energies of Halogen Bonding. Journal of Chemical Theory and Computation, 2019, 15, 1159-1167.	 13.8 2.0 0.8 3.3 0.5 3.0 5.3 	 435 84 24 28 0 16 13
1065 1067 1068 1069 1070 1071	Chalcogen Bonding: An Overview. Angewandte Chemie - International Edition, 2019, 58, 1880-1891. ChalkogenbrÄł/4cken: eine Åœbersicht. Angewandte Chemie, 2019, 131, 1896-1907. Tetrachloromethane as halogen bond donor toward metal-bound halides. Zeitschrift Fur Kristallographie - Crystalline Materials, 2019, 234, 9-17. Nonâ€Classical Synthons: Supramolecular Recognition by Sâ<â <o -="" 2019,="" 25,="" 3591-3597.<="" a="" bonding="" chalcogen="" chemistry="" complexes="" european="" in="" journal,="" molecular="" of="" riluzole.="" td=""> Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. Topics in Current Chemistry Collections, 2019, , 229-262. Chalcogen Bonds in Crystals of Bis(<1>o-anilinium)diselenide Salts. Crystal Growth and Design, 2019, 19, 1149-1154. Quadrupole Correction: From Molecular Electrostatic Potential to Free Energies of Halogen Bonding Journal of Chemical Theory and Computation, 2019, 15, 1159-1167. Organic Selenocyanates as Halide Receptors: From Chelation to One-Dimensional Systems. Crystal Crowth and Design, 2019, 19, 1418-1425.</o>	 13.8 2.0 0.8 3.3 0.5 3.0 5.3 3.0 	 435 84 24 28 0 16 13 34

#	Article	IF	CITATIONS
1074	Photoresponsive halogen bonded polycatenar liquid crystals. Journal of Molecular Liquids, 2019, 277, 233-240.	4.9	38
1075	The conformation of chloramphenicol in the ordered and disordered phases. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 211, 383-392.	3.9	2
1076	Modeling of Halogen–Protein Interactions in Co-Solvent Molecular Dynamics Simulations. Journal of Chemical Information and Modeling, 2019, 59, 38-42.	5.4	7
1077	Synthesis and structural characterization of three nano-structured Ag(I) coordination polymers; Syntheses, characterization and X-ray crystal structural analysis. Journal of Solid State Chemistry, 2019, 271, 29-39.	2.9	8
1078	Electrochemical Bromide Sensing with a Halogen Bonding [2]Rotaxane. European Journal of Organic Chemistry, 2019, 2019, 3433-3441.	2.4	29
1079	Uranium separation from acid mine drainage using anionic resins – An experimental/theoretical investigation of its chemical speciation and the interaction mechanism. Journal of Environmental Chemical Engineering, 2019, 7, 102790.	6.7	11
1080	Ionic Hydrogen and Halogen Bonding in the Gas Phase Association of Acetonitrile and Acetone with Halogenated Benzene Cations. Journal of Physical Chemistry A, 2019, 123, 1363-1371.	2.5	9
1081	Halogen Bonding Directed Supramolecular Quadruple and Double Helices from Hydrogenâ€Bonded Arylamide Foldamers. Angewandte Chemie - International Edition, 2019, 58, 226-230.	13.8	69
1082	Improved Modeling of Halogenated Ligand–Protein Interactions Using the Drude Polarizable and CHARMM Additive Empirical Force Fields. Journal of Chemical Information and Modeling, 2019, 59, 215-228.	5.4	23
1083	Deciphering the Multifarious Chargeâ€Transport Behaviour of Crystalline Propellerâ€Shaped Triphenylamine Analogues. Chemistry - A European Journal, 2019, 25, 1992-2002.	3.3	9
1084	Lanthanide-2,3,5,6-Tetrabromoterephthalic Acid Metal–Organic Frameworks: Evolution of Halogen···Halogen Interactions across the Lanthanide Series and Their Potential as Selective Bifunctional Sensors for the Detection of Fe ³⁺ , Cu ²⁺ , and Nitroaromatics. Crystal Growth and Design, 2019, 19, 305-319.	3.0	86
1085	Halogen-Bonding Interactions and Electrochemical Properties of Unsymmetrical Pyrazole Pincer Ni ^{II} Halides: A Peculiar Behavior of the Fluoride Complex (PCN)NiF. ACS Omega, 2019, 4, 1118-1129.	3.5	19
1086	Insight into the Effects of Electrostatic Potentials on the Conversion Mechanism of the Hydrogen-Bonded Complexes and Carbon-Bonded Complexes: An Ab Initio and Quantum Theory of "Atoms in Molecules―Investigation. ACS Omega, 2019, 4, 231-241.	3.5	3
1087	Halogen-bonded cocrystallization with phosphorus, arsenic and antimony acceptors. Nature Communications, 2019, 10, 61.	12.8	78
1088	Iodide Discrimination by Tetraâ€lodotriazole Halogen Bonding Interlocked Hosts. Chemistry - A European Journal, 2019, 25, 3125-3130.	3.3	19
1089	Fluorene Derivatives Bearing Halogenomethyl Groups: Synthesis, Molecular Structures, and Halogen/Hydrogen Bonding Patterns in the Crystalline State. European Journal of Organic Chemistry, 2019, 2019, 1493-1502.	2.4	5
1090	Wheel and Axle Topology Driven Halogen Bonds for the Construction of Molecular Arrays in Hexacoordinated Sn(IV)Porphyrins: A Structural and Theoretical Investigation. Crystal Growth and Design, 2019, 19, 942-951.	3.0	11
1091	Photoresponsive Halogen-Bonded Liquid Crystals: The Role of Aromatic Fluorine Substitution. Chemistry of Materials, 2019, 31, 462-470.	6.7	60

#	Article	IF	CITATIONS
1092	^{121/123} Sb Nuclear Quadrupole Resonance Spectroscopy: Characterization of Non-Covalent Pnictogen Bonds and NQR Crystallography. Journal of Physical Chemistry A, 2019, 123, 1030-1043.	2.5	27
1093	Anion Transport with Pnictogen Bonds in Direct Comparison with Chalcogen and Halogen Bonds. Journal of the American Chemical Society, 2019, 141, 810-814.	13.7	149
1094	The influence of halogen-bonding cooperativity on the hydrogen and lithium bonds: an ab initio study. Molecular Physics, 2019, 117, 1903-1911.	1.7	2
1095	Halogen bonds and metal bonds involving superalkalies M2OCN/M2NCO (M = Li, Na) complexes. Structural Chemistry, 2019, 30, 965-977.	2.0	13
1096	Paintable Roomâ€Temperature Phosphorescent Liquid Formulations of Alkylated Bromonaphthalimide. Angewandte Chemie - International Edition, 2019, 58, 2284-2288.	13.8	82
1097	Bifurcated and Monocentric Halogen Bonds in Cocrystals of Metal(II) Acetylacetonates with p-Dihalotetrafluorobenzenes. Crystal Growth and Design, 2019, 19, 1245-1256.	3.0	30
1098	Carbonyl–Olefin Metathesis Catalyzed by Molecular Iodine. ACS Catalysis, 2019, 9, 912-919.	11.2	58
1099	A Practical Guide to the Design of Molecular Crystals. Crystal Growth and Design, 2019, 19, 1426-1453.	3.0	222
1100	Acrylamide Functional Group Incorporation Improves Drug-like Properties: An Example with EGFR Inhibitors. ACS Medicinal Chemistry Letters, 2019, 10, 22-26.	2.8	13
1101	Supramolecular Luminescent Sensors. Chemical Reviews, 2019, 119, 322-477.	47.7	520
1102	Polarization plays the key role in halogen bonding: a point-of-charge-based quantum mechanical study. Theoretical Chemistry Accounts, 2019, 138, 1.	1.4	40
1103	Tetrel bonding on graphene. Computational and Theoretical Chemistry, 2019, 1147, 8-12.	2.5	21
1104	Halogen Bonding Directed Supramolecular Quadruple and Double Helices from Hydrogenâ€Bonded Arylamide Foldamers. Angewandte Chemie, 2019, 131, 232-236.	2.0	16
1105	Dynamic Nuclear Polarization of ¹³ C Nuclei in the Liquid State over a 10â€Tesla Field Range. Angewandte Chemie, 2019, 131, 1416-1420.	2.0	3
1106	Intermolecular hydrogen bonding H···Cl in crystal structure of palladium(II)- <i>bis</i> (diaminocarbene) complex. Zeitschrift Fur Kristallographie - Crystalline Materials, 2019, 234, 155-164.	0.8	8
1107	Insights into the Structure and Function of a Chiral Conjugateâ€Baseâ€Stabilized BrÃ,nsted Acid Catalyst. European Journal of Organic Chemistry, 2019, 2019, 486-492.	2.4	18
1108	Complexes between H ₂ and neutral oxyacid beryllium derivatives. The role of angular strain. Molecular Physics, 2019, 117, 1142-1150.	1.7	5
1109	Hyphenating Supramolecular Solvents and Liquid Chromatography: Tips for Efficient Extraction and Reliable Determination of Organics. Chromatographia, 2019, 82, 111-124.	1.3	52

ARTICLE IF CITATIONS Attraction between electrophilic caps: A counterintuitive case of noncovalent interactions. Journal 1110 3.3 17 of Computational Chemistry, 2019, 40, 1015-1022. Anion coordination chemistry: From recognition to supramolecular assembly. Coordination 18.8 141 Chemistry Reviews, 2019, 378, 415-444. Photoresponsive iodine-bonded liquid crystals based on azopyridine derivatives with a low 1112 2.2 18 phase-transition temperature. Liquid Crystals, 2019, 46, 37-44. Polyhalogen―und Polyinterhalogenâ€Anionen von Fluor bis Iod. Angewandte Chemie, 2020, 132, 5506-5535. 2.0 24 Polyhalogen and Polyinterhalogen Anions from Fluorine to Iodine. Angewandte Chemie - International 1114 13.8 79 Edition, 2020, 59, 5464-5493. Insight into the halogen bonding between PA-1 ligand and pyruvate dehydrogenase complex E1 component by crystal structure, DFT calculation, and molecular docking. Journal of Molecular 3.6 Structure, 2020, 1199, 126991. Bromide complexes of bismuth with 4-bromobenzyl-substituted cations of pyridinium family. Journal 1116 3.6 1 of Molecular Structure, 2020, 1199, 126955. Insights into the weak Csp3–H·Â.·H–Csp3 mediated supramolecular architecture in ethyl 2-(5-bromopentanamido)-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylate, a probable selective COX-2 lead molecule: An integrated crystallographic and theoretical approach. Journal of Molecular Structure. 2020. 1199. 127019. 3.6 Use of HPLC retention to investigate new P descriptors designed to represent ion- $\ddot{\in}$ interactions. 1118 1.0 1 Journal of Liquid Chromatography and Related Technologies, 2020, 43, 83-93. Synthesis, characterization and hydrogen bonding attributes of halogen bonded O-hydroxy Schiff bases: Crystal structure, Hirshfeld surface analysis and DFT studies. Journal of Molecular Structure, 3.6 2020, 1202, 127238. Halogen interactions in dinuclear copper(II) 2,4-dibromophenoxyacetate – crystal structure and 1120 3.6 5 quantum chemical calculations. Journal of Molecular Structure, 2020, 1202, 127227. A pH-responsive graftable supramolecular polymer with tailorable surface functionality by 1121 3.9 orthogonal halogen bonding and hydrogen bonding. Polymer Chemistry, 2020, 11, 385-392. Halogen bonding as a key interaction in the selfâ€assembly of iodinated diphenylalanine peptides. Peptide 1122 1.8 13 Science, 2020, 112, e24127. Noncovalent functionalization of graphene via ï€-hole·Â·Â·Ï€ and ïf-hole·Â·Â·ï€ interactions. Structural Chemistry, 2020, 31, 97-101. Finding chemical concepts in the Hilbert space: Coupled cluster analyses of noncovalent interactions. 1124 14.6 56 Wiley Interdisciplinary Reviews: Computational Molecular Science, 2020, 10, e1442. Synergic Interplay Between Halogen Bonding and Hydrogen Bonding in the Activation of a Neutral Substrate in a Nanoconfined Space. Angewandte Chemie, 2020, 132, 821-828. Synergic Interplay Between Halogen Bonding and Hydrogen Bonding in the Activation of a Neutral 1126 13.8 34 Substrate in a Nanoconfined Space. Angewandte Chemie - International Edition, 2020, 59, 811-818. Chalcogen bonding in crystalline diselenides and selenocyanates: From molecules of pharmaceutical 18.8 interest to conducting materials. Coordination Chemistry Reviews, 2020, 403, 213084.

#	Article	IF	CITATIONS
1128	Triazine-based covalent organic polycalix[4]arenes for highly efficient and reversible iodine capture in water. Journal of Materials Science, 2020, 55, 1854-1864.	3.7	28
1129	Halogen bonding in room-temperature phosphorescent materials. Coordination Chemistry Reviews, 2020, 404, 213107.	18.8	106
1130	Synthesis of the Urchin‣ike NiS@NiCo ₂ S ₄ Composites on Nickel Foam for Highâ€Performance Supercapacitors. ChemElectroChem, 2020, 7, 175-182.	3.4	13
1131	Crystal Engineering with Multipoint Halogen Bonding: Double Twoâ€Point Donors and Acceptors at Work. Chemistry - A European Journal, 2020, 26, 1567-1575.	3.3	19
1132	Unconventional Reactivity of Ethynylbenziodoxolone Reagents and Thiols: Scope and Mechanism. Chemistry - A European Journal, 2020, 26, 2386-2394.	3.3	28
1133	Halogen versus Hydrogen Bonding in Binary Cocrystals: Novel Conformation a Coformer with [2+2] Photoreactivity of Criss rossed C=C Bonds. ChemPhysChem, 2020, 21, 154-163.	2.1	15
1134	Multiple Virtual Screening Strategies for the Discovery of Novel Compounds Active Against Dengue Virus: A Hit Identification Study. Scientia Pharmaceutica, 2020, 88, 2.	2.0	24
1135	Clâ‹â‹Cl Halogen Bonding: Nature and Effect of Substituent at Electron Donor Cl atom. ChemistrySelect, 2020, 5, 554-563.	1.5	7
1136	Triel bond and coordination of triel centres – Comparison with hydrogen bond interaction. Coordination Chemistry Reviews, 2020, 407, 213171.	18.8	72
1137	Two-dimensional halogen-bonded organic frameworks based on the tetrabromobenzene-1,4-dicarboxylic acid building molecule. CrystEngComm, 2020, 22, 24-34.	2.6	15
1138	Hexaiododiplatinate(<scp>ii</scp>) as a useful supramolecular synthon for halogen bond involving crystal engineering. Dalton Transactions, 2020, 49, 356-367.	3.3	49
1139	Separation of halogenated benzenes enabled by investigation of halogen–π interactions with carbon materials. Chemical Science, 2020, 11, 409-418.	7.4	17
1140	Halogen bonding (HaB) in E–Iâ∂X–M systems: influence of the halogen donor on the HaB nature. CrystEngComm, 2020, 22, 870-877.	2.6	9
1141	Ordering self-assembly structures via intermolecular Brâ∢ S interactions. Physical Chemistry Chemical Physics, 2020, 22, 1437-1443.	2.8	6
1142	Spin–orbit coupling is the key to unraveling intriguing features of the halogen bond involving astatine. Physical Chemistry Chemical Physics, 2020, 22, 1897-1910.	2.8	13
1143	Carboxylate, nitrate, sulfonate, and phosphate catalysts for living radical polymerization <i>via</i> oxygen–iodine halogen bonding catalysis. Polymer Chemistry, 2020, 11, 53-60.	3.9	17
1144	Theoretical study on the M-H···π interactions between metal hydrides and inorganic benzene B3X3H3(X = O, S, Se). Structural Chemistry, 2020, 31, 937-946.	2.0	0
1145	Halogen Bonding in the Molecular Recognition of Thyroid Hormones and Their Metabolites by Transport Proteins and Thyroid Hormone Receptors. Journal of the Indian Institute of Science, 2020, 100, 231-247.	1.9	4

#	Article	IF	Citations
1146	Bisphenol AF: Halogen bonding effect is a major driving force for the dual ERα-agonist and ERβ-antagonist activities. Bioorganic and Medicinal Chemistry, 2020, 28, 115274.	3.0	15
1147	Merocyanines in a Halogen-Bonded Network Involving Inorganic Building Blocks. Crystal Growth and Design, 2020, 20, 608-616.	3.0	10
1148	Cocrystals: Solution, Mechanochemistry, and Sublimation. Crystal Growth and Design, 2020, 20, 1139-1149.	3.0	34
1149	Structural and Computational Investigation of Halogen Bonding Effects on Spectroscopic Properties within a Series of Halogenated Uranyl Benzoates. Crystal Growth and Design, 2020, 20, 1311-1318.	3.0	12
1150	Chemoselective Oxidative Spiroetherification and Spiroamination of Arenols Using I ⁺ /Oxone Catalysis. Organic Letters, 2020, 22, 560-564.	4.6	17
1151	Photocontrolled Iodineâ€Mediated Reversibleâ€Deactivation Radical Polymerization: Solution Polymerization of Methacrylates by Irradiation with NIR LED Light. Angewandte Chemie, 2020, 132, 3938-3944.	2.0	11
1152	Photocontrolled Iodineâ€Mediated Reversibleâ€Deactivation Radical Polymerization: Solution Polymerization of Methacrylates by Irradiation with NIR LED Light. Angewandte Chemie - International Edition, 2020, 59, 3910-3916.	13.8	64
1153	Towards a Stronger Halogen Bond Involving Astatine: Unexpected Adduct with Bu ₃ PO Stabilized by Hydrogen Bonding. Chemistry - A European Journal, 2020, 26, 3713-3717.	3.3	13
1154	Halogen Bonding Interactions in Halopyridine–Iodine Monochloride Complexes. Crystal Growth and Design, 2020, 20, 543-551.	3.0	12
1155	Structures and energetics of clusters surrounding diatomic anions stabilized by hydrogen, halogen, and other noncovalent bonds. Chemical Physics, 2020, 530, 110590.	1.9	15
1156	Five new Sb(V) bromide complexes and their polybromide derivatives with pyridinium-type cations: Structures, thermal stability and features of halogenâc halogen contacts in solid state. Inorganica Chimica Acta, 2020, 502, 119278.	2.4	5
1157	Supramolecular synthesis with <i>N</i> -hetero-tolanes: liquid crystals and hydrogen-bonded and halogen-bonded co-crystals. CrystEngComm, 2020, 22, 416-419.	2.6	1
1158	Copper(<scp>i</scp>) ionic complexes based on imidazo[4,5- <i>f</i>][1,10]phenanthrolin diimine chelating ligands: crystal structures, and photo- and electroluminescence properties. New Journal of Chemistry, 2020, 44, 110-120.	2.8	8
1159	Perfluorinated Self-Assembled Monolayers Enhance the Stability and Efficiency of Inverted Perovskite Solar Cells. ACS Nano, 2020, 14, 1445-1456.	14.6	115
1160	Unusual Magnetoâ€Structural Features of the Haloâ€Substituted Materials [Fe III (5â€Xâ€salMeen) 2]Y: a Cooperative [HSâ€HS]↔[HSâ€LS] Spin Transition. Chemistry - A European Journal, 2020, 26, 4766-4779.	3.3	15
1161	A Comparative Study on the Thermodynamics of Halogen Bonding of Groupâ€10 Pincer Fluoride Complexes. Chemistry - A European Journal, 2020, 26, 3571-3577.	3.3	13
1163	Qualitative as well as quantitative analysis of interactions present in chlorine and bromine substituted aromatic organic crystals: A DFT linked Crystal Explorer study. Journal of Molecular Graphics and Modelling, 2020, 95, 107503.	2.4	6
1164	Halogen bond in separation science: A critical analysis across experimental and theoretical results. Journal of Chromatography A, 2020, 1616, 460788.	3.7	23

#	Article	IF	CITATIONS
1165	Recent advances in recognition, sensing and extraction of phosphates: 2015 onwards. Coordination Chemistry Reviews, 2020, 405, 213128.	18.8	71
1166	Heteroleptic copper(II) complexes with 2-bromo-5-methylpyridine: Structures, features of non-covalent interactions and magnetic behavior. Inorganica Chimica Acta, 2020, 502, 119333.	2.4	8
1167	Stepwise On-Surface Synthesis of Porous Carbon Nanoribbons with Notched Zigzag Edges. Journal of Physical Chemistry C, 2020, 124, 756-763.	3.1	7
1168	Novel halogen-bonded co-crystals and their unique luminescence property during 10ÂGPa compression-decompression cycle. Dyes and Pigments, 2020, 175, 108116.	3.7	7
1169	On-Surface Synthesis and Characterization of Polythiophene Chains. Journal of Physical Chemistry C, 2020, 124, 764-768.	3.1	6
1170	Double Chalcogen Bonds: Crystal Engineering Stratagems via Diffraction and Multinuclear Solid tate Magnetic Resonance Spectroscopy. Chemistry - A European Journal, 2020, 26, 3275-3286.	3.3	61
1171	lodine and BrÃ,nsted acid catalyzed C–C bond cleavage of 1,3-diketones for the acylation of amines. Synthetic Communications, 2020, 50, 177-184.	2.1	6
1172	σ/π-Hole noble gas bonding interactions: Insights from theory and experiment. Coordination Chemistry Reviews, 2020, 404, 213112.	18.8	83
1173	Lipidated α/Sulfono-α-AA heterogeneous peptides as antimicrobial agents for MRSA. Bioorganic and Medicinal Chemistry, 2020, 28, 115241.	3.0	9
1174	On the Interplay between Chargeâ€Shift Bonding and Halogen Bonding. ChemPhysChem, 2020, 21, 240-250.	2.1	18
1175	Unravelling the Importance of H bonds, Ïf–hole and π–hole-Directed Intermolecular Interactions in Nature. Journal of the Indian Institute of Science, 2020, 100, 43-59.	1.9	8
1176	Development of non-nucleoside reverse transcriptase inhibitors (NNRTIs): our past twenty years. Acta Pharmaceutica Sinica B, 2020, 10, 961-978.	12.0	79
1177	Metal–Halogen Bonding Seen through the Eyes of Vibrational Spectroscopy. Materials, 2020, 13, 55.	2.9	26
1178	Halogen Bonding Interactions of Polychlorinated Biphenyls and the Potential for Thyroid Disruption. Chemistry - A European Journal, 2020, 26, 5200-5207.	3.3	15
1179	Structure and magnetic properties of a serendipitously synthesized copper(II) complex: [Cu(3-Br-2-pyone)6](ClO4)2. Transition Metal Chemistry, 2020, 45, 237-243.	1.4	1
1180	A molecular interaction field describing nonconventional intermolecular interactions and its application to protein–ligand interaction prediction. Journal of Molecular Graphics and Modelling, 2020, 96, 107515.	2.4	10
1181	Interactions in Model Ionic Dyads and Triads Containing Tetrel Atoms. Molecules, 2020, 25, 4197.	3.8	3
1182	Factors Impacting σ- and π-Hole Regions as Revealed by the Electrostatic Potential and Its Source Function Reconstruction: The Case of 4.4′-Bipyridine Derivatives. Molecules. 2020. 25. 4409.	3.8	15

#	Article	IF	CITATIONS
1183	Unveiling the reaction process of the amine in direct amidation of aromatic ketones in H 2 O. ChemistryOpen, 2020, 9, 996-1000.	1.9	1
1184	Halogen-bonded haloamine trimers – modelling the X ₃ synthon. Physical Chemistry Chemical Physics, 2020, 22, 21938-21946.	2.8	6
1185	Probing Halogenâ^'Ï€ versus CHâ^'Ï€ Interactions in Molecular Balance. Organic Letters, 2020, 22, 7870-7873.	4.6	11
1186	Comparison between Chlorine-Shared and π–Halogen Bonds Involving Substituted Phosphabenzene and CIF Molecules. ACS Omega, 2020, 5, 24095-24105.	3.5	5
1187	Synergistic effect of various intermolecular interactions on self-assembly and optoelectronic behaviour in co-crystals/salts of tetrabromoterephthalic acid: a report on their structure, theoretical study and Hirshfeld surface analysis. CrystEngComm, 2020, 22, 8197-8207.	2.6	5
1188	<i>α</i> ″odonitroalkenes as Potential Antifungal and Antitubercular Agents. ChemistrySelect, 2020, 5, 12272-12277.	1.5	3
1189	Intermolecular interactions in antipyrine-like derivatives 2-halo- <i>N</i> -(1,5-dimethyl-3-oxo-2-phenyl-2,3-dihydro-1 <i>H</i> -pyrazol-4-yl)benzamides: X-ray structure, Hirshfeld surface analysis and DFT calculations. New Journal of Chemistry, 2020, 44, 19541-19554.	2.8	23
1190	A robust and tunable halogen bond organocatalyzed 2-deoxyglycosylation involving quantum tunneling. Nature Communications, 2020, 11, 4911.	12.8	37
1191	The X-ray constrained wavefunction of the [Mn(CO) ₄ {(C ₆ H ₅) ₂ P-S-C(Br ₂)-P(C _{6complex: a theoretical and experimental study of dihalogen bonds and other noncovalent interactions. Acta Crystallographica Section B: Structural Science, Crystal Engineering and}	>H _{5 1.1}	5) <su 3</su
1192	Materials, 2020, 76, 802-814. Unravelling the electronic nature of C–Fâ <o–c and="" in="" interaction="" non-covalent="" proteins="" small<br="">molecules in the solid state. Physical Chemistry Chemical Physics, 2020, 22, 25704-25711.</o–c>	2.8	9
1193	Cationic polymerization of vinyl monomers using halogen bonding organocatalysts with varied activity. Polymer Chemistry, 2020, 11, 6739-6744.	3.9	13
1194	Divergent Halogenation Pathways of 2,2â€Dichlorobutâ€3â€ynâ€1â€ols to 3â€Chloroâ€4â€lodofurans and αâ€Chloroâ€Î³â€lodoallenes: Electrophilic versus Pd(II)â€Catalyzed Halogenation Strategies. Advanced Synthesis and Catalysis, 2020, 362, 5368-5373.	4.3	6
1195	Can modified DNA base pairs with chalcogen bonding expand the genetic alphabet? A combined quantum chemical and molecular dynamics simulation study. Physical Chemistry Chemical Physics, 2020, 22, 23754-23765.	2.8	6
1196	Cutting edge development on graphene derivatives modified by liquid crystal and CdS/TiO ₂ hybrid matrix: optoelectronics and biotechnological aspects. Critical Reviews in Solid State and Materials Sciences, 2021, 46, 385-449.	12.3	117
1197	The combination of halogen and hydrogen bonding: a versatile tool in coordination chemistry. CrystEngComm, 2020, 22, 6010-6018.	2.6	2
1198	O–I–O halogen bond of halonium ions. Chemical Communications, 2020, 56, 9671-9674.	4.1	7
1199	In Situ-Generated Halogen-Bonding Complex Enables Atom Transfer Radical Addition (ATRA) Reactions of Olefins. Journal of Organic Chemistry, 2020, 85, 10574-10583.	3.2	36
1200	Lewis acid–base synergistic catalysis of cationic halogen-bonding-donors with nucleophilic counter anions. Chemical Communications, 2020, 56, 9715-9718.	4.1	21

#	Article	IF	CITATIONS
1201	The interplay and the formation of σ-hole in the π··À·LiX and pseudo-π··À·LiX (XÂ=ÂF, Cl and CN) lithium bon involving unsaturated and homocyclic hydrocarbons. Computational and Theoretical Chemistry, 2020, 1186, 112899.	ds 2.5	2
1202	The formation of H···X hydrogen bond, C···X carbon-halide or Si···X tetrel bonds on the silylene-halogen dimers (X = F or Cl): intermolecular strength, molecular orbital interactions and prediction of covalency. Theoretical Chemistry Accounts, 2020, 139, 1.	1.4	6
1203	Structure of Human Phosphodiesterase 5A1 Complexed with Avanafil Reveals Molecular Basis of Isoform Selectivity and Guidelines for Targeting α-Helix Backbone Oxygen by Halogen Bonding. Journal of Medicinal Chemistry, 2020, 63, 8485-8494.	6.4	8
1204	Doubly mononuclear cocrystal and oxalato-bridged binuclear copper compounds containing flexible 2-((3,5,6-trichloropyridin-2-yl)oxy)acetate tectons: Synthesis, crystal analysis and magnetic properties. Inorganica Chimica Acta, 2020, 512, 119890.	2.4	111
1205	The Bromineâ€Chlorine Interhalides [Br ₃ Cl ₅] ² [–] , [Br ₄ Cl ₄] ² [–] and [Br _{6.56} Cl _{1.44}] ² [–] . European Journal of Inorganic Chemistry, 2020, 2020, 3302-3310.	2.0	4
1206	One-Dimensional Diiodine–lodobismuthate(III) Hybrids Cat ₃ {[Bi ₂ I ₉](I ₂) ₃ }: Syntheses, Stability, and Optical Properties. Inorganic Chemistry, 2020, 59, 17320-17325.	4.0	53
1207	Three-Way Switchable Single-Crystal-to-Single-Crystal Solvatomorphic Spin Crossover in a Molecular Cocrystal. Chemistry of Materials, 2020, 32, 10076-10083.	6.7	21
1208	Noble Gases in Solid Compounds Show a Rich Display of Chemistry With Enough Pressure. Frontiers in Chemistry, 2020, 8, 570492.	3.6	11
1209	[±] Ï€â€Hole Interactions: A Comparative Investigation Based on Boronâ€Containing Molecules. ChemistrySelect, 2020, 5, 13223-13231.	1.5	12
1211	Halogen bonding between entirely negative fluorine atoms? Evidence from the crystal packing of some gold(<scp>i</scp>) and gold(<scp>iii</scp>) complexes with extensively fluorinated <i>m</i> -terphenyl ligands and triphenylphosphane. CrystEngComm, 2020, 22, 8285-8289.	2.6	4
1212	Photocontrolled iodine-mediated reversible-deactivation radical polymerization with a semifluorinated alternating copolymer as the macroinitiator. Polymer Chemistry, 2020, 11, 7497-7505.	3.9	16
1214	Systematic Optimization of a Fragment-Based Force Field against Experimental Pure-Liquid Properties Considering Large Compound Families: Application to Saturated Haloalkanes. Journal of Chemical Theory and Computation, 2020, 16, 7525-7555.	5.3	21
1215	Investigating the solid-state assembly of pharmaceutically-relevant N,N-dimethyl-O-thiocarbamates in the absence of labile hydrogen bonds. CrystEngComm, 2020, 22, 8290-8298.	2.6	0
1216	Heterochirality and Halogenation Control Phe-Phe Hierarchical Assembly. ACS Nano, 2020, 14, 16951-16961.	14.6	67
1217	The effect of halogen bonding on protonated hexacyanoferrate networks in hexacyanoferrates of halogenopyridines. CrystEngComm, 2020, 22, 8142-8150.	2.6	15
1218	The bromide-bromomethyl radical dimer complex: Anion photoelectron spectroscopy and CCSD(T) calculations. Chemical Physics Letters, 2020, 761, 138060.	2.6	10
1219	Halogen Bonds Fabricate 2D Molecular Self-Assembled Nanostructures by Scanning Tunneling Microscopy. Crystals, 2020, 10, 1057.	2.2	12
1220	Low-Dimensional Hybrid Indium/Antimony Halide Perovskites: Supramolecular Assembly and Electronic Properties. Journal of Physical Chemistry C, 2020, 124, 25686-25700.	3.1	23

#	Article	IF	CITATIONS
1221	Influence of halogen size on the supramolecular and energy landscape of the THF solvates of the halogen derivatives of dianthranilide. CrystEngComm, 2020, 22, 5389-5399.	2.6	6
1222	Lewis Ambiphilicity of 1,2,5-Chalcogenadiazoles for Crystal Engineering: Complexes with Crown Ethers. Crystal Growth and Design, 2020, 20, 5868-5879.	3.0	10
1223	Halogen-bonded cocrystals of donepezil with perfluorinated diiodobenzenes. CrystEngComm, 2020, 22, 5573-5577.	2.6	10
1224	Halogen bonding in the co-crystallization of potentially ditopic diiodotetrafluorobenzene: a powerful tool for constructing multicomponent supramolecular assemblies. National Science Review, 2020, 7, 1906-1932.	9.5	54
1225	Heteroligand Cu(II) Complexes with 2-Halogenopyridines: Crystal Structure and Features of Halogenâ< Halogen Contacts in the Solid State. Journal of Structural Chemistry, 2020, 61, 712-718.	1.0	8
1226	Catalytic Consequences of Oxidant, Alkene, and Pore Structures on Alkene Epoxidations within Titanium Silicates. ACS Catalysis, 2020, 10, 10169-10184.	11.2	42
1227	The first 3, 5, 6-trichloropyridine-2-oxyacetate bridged manganese coordination polymer with features of Ï€â<Ï€ stacking and halogenâ< halogen interactions: Synthesis, crystal analysis and magnetic properties. Inorganica Chimica Acta, 2020, 509, 119677.	2.4	100
1228	Molecular Hydrogen as a Lewis Base in Hydrogen Bonds and Other Interactions. Molecules, 2020, 25, 3294.	3.8	6
1229	Hybrid chlorobismuthate(III) "trapping―Br2 unit: Crystal structure and theoretical investigation of non-covalent Clâ <td>2.4</td> <td>5</td>	2.4	5
1230	Substituent-dependent reactivity of triarylantimony(<scp>iii</scp>) toward I ₂ : isolation of [Ar ₃ Sbl] ⁺ salt. New Journal of Chemistry, 2020, 44, 14339-14342.	2.8	5
1231	NMR Quantification of Halogen-Bonding Ability To Evaluate Catalyst Activity. Organic Letters, 2020, 22, 6647-6652.	4.6	13
1232	Noble Gas Bonding Interactions Involving Xenon Oxides and Fluorides. Molecules, 2020, 25, 3419.	3.8	21
1233	Facile and Reliable Emissionâ€Based Nanomolar Anion Sensing by Luminescent Iridium Receptors Featuring Chelating Halogenâ€Bonding Sites. Chemistry - A European Journal, 2020, 26, 14679-14687.	3.3	8
1234	Second-coordination sphere effects on the reactivities of Hoveyda–Grubbs-type catalysts: a ligand exchange study using phenolic moiety-functionalized ligands. Dalton Transactions, 2020, 49, 11618-11627.	3.3	6
1235	A low boiling-point and low-cost fluorinated additive improves the efficiency and stability of organic solar cells. Journal of Materials Chemistry C, 2020, 8, 15296-15302.	5.5	10
1236	Hydrogen and Halogen Bond Mediated Coordination Polymers of Chloro-Substituted Pyrazin-2-Amine Copper(I) Bromide Complexes. Chemistry, 2020, 2, 700-713.	2.2	2
1237	Chalcogen-Bonded Cocrystals of Substituted Pyridine N-Oxides and Chalcogenodiazoles: An X-ray Diffraction and Solid-State NMR Investigation. Crystal Growth and Design, 2020, 20, 7910-7920.	3.0	23
1238	Phosphorus···Iodine Halogen Bonding in Cocrystals of Bis(diphenylphosphino)ethane (dppe) and <i>p</i> -Diiodotetrafluorobenzene (<i>p</i> -F ₄ DIB). Crystal Growth and Design, 2020, 20, 7460-7469.	3.0	7

#	Article	IF	CITATIONS
1239	Bi- and Trifurcated Halogen Bonding M–C≡N···I in 1D, 2D, and 3D Supramolecular Network Structures of Co-Crystallized Diiodoacetylene C ₂ 1 ₂ and Tetracyanonickelate [Ni(CN) ₄] ^{2–} . Crystal Growth and Design, 2020, 20, 7104-7110.	3.0	8
1240	Halogen bonds on substituted dibromonitrobenzene derivatives. Journal of Molecular Modeling, 2020, 26, 319.	1.8	0
1241	One-step partial synthesis of (±)-asperteretone B and related hPTP1B1–400 inhibitors from butyrolactone I. Bioorganic and Medicinal Chemistry, 2020, 28, 115817.	3.0	5
1242	Neutral heteroleptic complexes of bis(2-halopyridine)dihalocopper(II) family: How the nature of halogen atom affects supramolecular motifs and energies of halogen bonding in solid state?. Solid State State Sciences, 2020, 109, 106441.	3.2	10
1243	Disubstituted Ferrocenyl Iodo- and Chalcogenoalkynes as Chiral Halogen and Chalcogen Bond Donors. Organometallics, 2020, 39, 3936-3950.	2.3	27
1244	Synthesis, X-ray characterization and theoretical study of 3a,6:7,9a-diepoxybenzo[de]isoquinoline derivatives: on the importance of Fâ¢O interactions. New Journal of Chemistry, 2020, 44, 20167-20180.	2.8	7
1245	Kohlenstoffâ€Kohlenstoffâ€Kupplung auf inerten Oberflähen durch die Abscheidung von en route erzeugten Aryl Radikalen. Angewandte Chemie, 2020, 132, 22976-22981.	2.0	0
1246	Pnictogenâ€Bonding Catalysis: An Interactive Tool to Uncover Unorthodox Mechanisms in Polyether Cascade Cyclizations. Chemistry - A European Journal, 2020, 26, 15471-15476.	3.3	37
1247	Atomistic simulation of the smectic a mesophase induced by halogen bond. Journal of Molecular Liquids, 2020, 319, 113731.	4.9	1
1248	Thyroxine binding to type III iodothyronine deiodinase. Scientific Reports, 2020, 10, 15401.	3.3	14
1249	Parameterization of a drug molecule with a halogen if -hole particle using ffTK: Implementation, testing, and comparison. Journal of Chemical Physics, 2020, 153, 164104.	3.0	11
1250	<i>N</i> -(2,3,5,6-Tetrafluoropyridyl)sulfoximines: synthesis, X-ray crystallography, and halogen bonding. Organic Chemistry Frontiers, 2020, 7, 3896-3906.	4.5	10
1251	Hydrogen-Mediated Noncovalent Interactions in Solids: What Can NMR Crystallography Tell About?. Molecules, 2020, 25, 3757.	3.8	7
1252	Selective Activation of Aromatic Aldehydes Promoted by Dispersion Interactions: Steric and Electronic Factors of a ï€â€Pocket within Cageâ€Shaped Borates for Molecular Recognition. Chemistry - A European Journal, 2020, 26, 15023-15034.	3.3	3
1253	Supramolecular Chiral Aggregates Exhibiting Nonlinear CD–ee Dependence. Advanced Materials, 2020, 32, e1905667.	21.0	40
1254	â€~Sacrificial' supramolecular assembly and pressure-induced polymerization: toward sequence-defined functionalized nanothreads. Chemical Science, 2020, 11, 11419-11424.	7.4	22
1255	Computational study of the substituent effect of halogenated fused-ring heteroaromatics on halogen bonding. Journal of Molecular Modeling, 2020, 26, 270.	1.8	5
1256	Activating Chalcogen Bonding (ChB) in Alkylseleno/Alkyltelluroacetylenes toward Chalcogen Bonding Directionality Control. Angewandte Chemie, 2020, 132, 23789-23793.	2.0	10

#	Article	IF	CITATIONS
1257	Tetrabromomethane as an Organic Catalyst: a Kinetic Study of CBr ₄ atalyzed Schiff Condensation. European Journal of Organic Chemistry, 2020, 2020, 6763-6769.	2.4	6
1258	Why Can Cationic Halogen Bond Donors Activate the Ritter-Type Solvolysis of Benzhydryl Bromide but Cationic Hydrogen Bond Donors Can Not?. ACS Omega, 2020, 5, 21862-21872.	3.5	10
1259	Dynamic host–guest behavior in halogen-bonded two-dimensional molecular networks investigated by scanning tunneling microscopy at the solid/liquid interface. Nanoscale Advances, 2020, 2, 4895-4901.	4.6	7
1260	Synergistic and Diminutive Effects between Regium and Aerogen Bonds. ChemPhysChem, 2020, 21, 2426-2431.	2.1	17
1261	Structure-Guided Optimization of Dipeptidyl Inhibitors of Norovirus 3CL Protease. Journal of Medicinal Chemistry, 2020, 63, 11945-11963.	6.4	10
1262	Superior Carrier Lifetimes Exceeding 6 µs in Polycrystalline Halide Perovskites. Advanced Materials, 2020, 32, e2002585.	21.0	151
1263	σ- and π-Hole Interactions. Crystals, 2020, 10, 721.	2.2	9
1264	F-Halogen Bond: Conditions for Its Existence. Journal of Physical Chemistry A, 2020, 124, 7290-7299.	2.5	17
1265	Effect of a Bromine Substituent on the Self-Assembly of an Oligopyridine at the Liquid Solid Interface. Journal of Physical Chemistry C, 2020, 124, 20213-20221.	3.1	3
1266	Unconventional Type III Halogen···Halogen Interactions: A Quantum Mechanical Elucidation of Ïf-Hole···Ïf-Hole and Di-Ïf-Hole Interactions. ACS Omega, 2020, 5, 21824-21835.	3.5	38
1267	Competition between the hydrogen bond and the halogen bond in a [CH ₃ OH–CCl ₄] complex: a matrix isolation IR spectroscopy and computational study. Physical Chemistry Chemical Physics, 2020, 22, 22465-22476.	2.8	12
1268	Activating both Halogen and Chalcogen Bonding Interactions in Cation Radical Salts of Iodinated Tetrathiafulavalene Derivatives. ChemPlusChem, 2020, 85, 2136-2142.	2.8	4
1269	Carbon arbon Coupling on Inert Surfaces by Deposition of Enâ€Route Generated Aryl Radicals. Angewandte Chemie - International Edition, 2020, 59, 22785-22789.	13.8	14
1270	Activating Chalcogen Bonding (ChB) in Alkylseleno/Alkyltelluroacetylenes toward Chalcogen Bonding Directionality Control. Angewandte Chemie - International Edition, 2020, 59, 23583-23587.	13.8	20
1271	Influence of Substituents in the Aromatic Ring on the Strength of Halogen Bonding in Iodobenzene Derivatives. Crystal Growth and Design, 2020, 20, 7197-7210.	3.0	24
1272	Spectroscopic Properties, Conformation and Structure of Difluorothiophosphoryl Isocyanate in the Gaseous and Solid Phase. ChemistryOpen, 2020, 9, 913-920.	1.9	2
1273	Rising trend on the halogen and non-halogen derivatives (Br, Cl, CF ₃ , F, CH ₃) Tj ETQqO Biomolecular Structure and Dynamics, 2022, 40, 449-467.	0 0 rgBT / 3.5	Overlock 10 1
1274	Organocatalytic Reduction of Nitroarenes with Phenyl(2â€quinolyl)methanol. ChemistrySelect, 2020, 5, 10511-10515.	1.5	5

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#	ARTICLE	IF	CITATIONS
1275	Curvature and size effects hinder halogen bonds with extended Ĩ€ systems. Physical Chemistry Chemical Physics, 2020, 22, 21988-22002.	2.8	4
1276	Versatility of the bis(iminopyrrolylmethyl)amine ligand: tautomerism, protonation, helical chirality, and the secondary coordination sphere with halogen bonds in the formation of copper(<scp>ii</scp>) and nickel(<scp>ii</scp>) complexes. Dalton Transactions, 2020, 49, 13840-13853.	3.3	13
1277	π–ring–hole bond around difluoroethyne: stabilization of hydrogen bonding cyclohexamer and dicyclohexamer of ammonia molecules. Journal of Molecular Modeling, 2020, 26, 259.	1.8	1
1278	Halogen-Bonded Guanine Base Pairs, Quartets and Ribbons. International Journal of Molecular Sciences, 2020, 21, 6571.	4.1	4
1279	Utilizing Co-Crystallization as a Tool to Unravel the Structural Diversity and Electronic Features of I···S Halogen Bonded Interactions in Stoichiomorphic Co-Crystals. Crystal Growth and Design, 2020, 20, 6272-6282.	3.0	11
1280	Structural and energetic properties of RMX ₃ â€NH ₃ complexes. International Journal of Quantum Chemistry, 2020, 120, e26383.	2.0	2
1281	Recent development in halogen-bonding-catalyzed living radical polymerization. Polymer Chemistry, 2020, 11, 5559-5571.	3.9	51
1282	Perspectives on Dye Sensitization of Nanocrystalline Mesoporous Thin Films. Journal of the American Chemical Society, 2020, 142, 16099-16116.	13.7	21
1283	Assessment of scalar relativistic effects on halogen bonding and <scp><i>Ïf</i>â€hole</scp> properties. International Journal of Quantum Chemistry, 2020, 120, e26392.	2.0	6
1284	The Ïf-holeâ<Ïf-hole stacking interaction: An unrecognized type of noncovalent interaction. Journal of Chemical Physics, 2020, 153, 214302.	3.0	14
1285	Halogen Bonding in the Complexes of Brominated Electrophiles with Chloride Anions: From a Weak Supramolecular Interaction to a Covalent Br–Cl Bond. Crystals, 2020, 10, 1075.	2.2	5
1286	5-Iodo-1-Arylpyrazoles as Potential Benchmarks for Investigating the Tuning of the Halogen Bonding. Crystals, 2020, 10, 1149.	2.2	12
1287	The Importance of Strain (Preorganization) in Beryllium Bonds. Molecules, 2020, 25, 5876.	3.8	2
1288	Interrogating the Interplay between Hydrogen and Halogen Bonding in Graphitic Carbon Nitride Building Blocks. Journal of Physical Chemistry A, 2020, 124, 10817-10825.	2.5	16
1289	Reliable Comparison of Pnicogen, Chalcogen, and Halogen Bonds in Complexes of 6-OXF2-Fulvene (X =) Tj ETQqC)	/Qverlock 10
1290	Phase Stability of Chloroform and Dichloromethane at High Pressure. Crystals, 2020, 10, 920.	2.2	7
1291	Interaction between Trinuclear Regium Complexes of Pyrazolate and Anions, a Computational Study. International Journal of Molecular Sciences, 2020, 21, 8036.	4.1	7
1292	Study on the halogen bond and π-π stacking interaction between fluoro substituted iodobenzene and pyrazine. Journal of Molecular Modeling, 2020, 26, 333.	1.8	8
#	Article	IF	CITATIONS
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1293	Dissecting the electric quadrupolar and polarization effects operating in halogen bonding through electron density analysis with a focus on bromine. Journal of Chemical Physics, 2020, 153, 174302.	3.0	6
1294	Halogenated Diazabutadiene Dyes: Synthesis, Structures, Supramolecular Features, and Theoretical Studies. Molecules, 2020, 25, 5013.	3.8	28
1295	Noncontact atomic force microscopy: Bond imaging and beyond. Surface Science Reports, 2020, 75, 100509.	7.2	23
1296	The role of non-covalent intermolecular interactions on the diversity of crystal packing in supramolecular dihalopyridine–silver(<scp>i</scp>) nitrate complexes. CrystEngComm, 2020, 22, 7962-7974.	2.6	4
1297	Surface-controlled reversal of the selectivity of halogen bonds. Nature Communications, 2020, 11, 5630.	12.8	24
1298	Design and Synthesis of a Chiral Halogen-Bond Donor with a Sp3-Hybridized Carbon–Iodine Moiety in a Chiral Fluorobissulfonyl Scaffold. Molecules, 2020, 25, 4539.	3.8	5
1299	Crystallography Under High Pressures. Structure and Bonding, 2020, , 141-198.	1.0	6
1300	Design, synthesis and the structure-activity relationship of agonists targeting on the ALDH2 catalytic tunnel. Bioorganic Chemistry, 2020, 104, 104166.	4.1	2
1301	Halogen Bond of Halonium Ions: Benchmarking DFT Methods for the Description of NMR Chemical Shifts. Journal of Chemical Theory and Computation, 2020, 16, 7690-7701.	5.3	14
1302	Supramolecular Halogen Bonds in Asymmetric Catalysis. Frontiers in Chemistry, 2020, 8, 599064.	3.6	26
1303	Halogen bonds and other noncovalent interactions in the crystal structures of trans-1,2-diiodo alkenes: an ab initio and QTAIM study. Journal of Molecular Modeling, 2020, 26, 331.	1.8	4
1304	Supramolecular Bromoantimonate(V) Polybromide (2,6-BrPyH)3[SbBr6]{(Br2)Br} · 2H2O: Specific Features of Halogen···Halogen Contacts in the Crystal Structure. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2020, 46, 302-307.	1.0	6
1305	Covalent and Non-covalent Noble Gas Bonding Interactions in XeFn Derivatives (n = 2–6): A Combined Theoretical and ICSD Analysis. Frontiers in Chemistry, 2020, 8, 395.	3.6	22
1306	Halogenâ€Bonded Assemblies of Arylene Imides and Diimides: Insight from Electronic, Structural, and Computational Studies. Chemistry - A European Journal, 2020, 26, 10607-10619.	3.3	7
1307	Halogenated isophthalamides and dipicolineamides: the role of the halogen substituents in the anion binding properties. Dalton Transactions, 2020, 49, 9231-9238.	3.3	5
1308	Tetrachloroplatinate(<scp>ii</scp>) anion as a square-planar tecton for crystal engineering involving halogen bonding. CrystEngComm, 2020, 22, 4180-4189.	2.6	18
1309	Halogen bonded metal bis(dithiolene) 2D frameworks. CrystEngComm, 2020, 22, 3579-3587.	2.6	17
1310	Intertwined Detection and Recognition Roles of Tetrazine in Synergistic Anionâ€i€ and Hâ€bond Based Anion Receptor. ChemPhysChem, 2020, 21, 1249-1257.	2.1	6

#	Article	IF	CITATIONS
1311	Chalcogen Bonding Induced Tetraselenides from Twisted Diselenides. European Journal of Inorganic Chemistry, 2020, 2020, 2403-2407.	2.0	13
1312	Hydrogen vs. Halogen Bonds in 1-Halo-Closo-Carboranes. Materials, 2020, 13, 2163.	2.9	10
1313	Preorganization-enhanced halogen bonding via intramolecular hydrogen bonding: a theoretical study. Structural Chemistry, 2020, 31, 1999-2009.	2.0	0
1314	Halogen Bonding in New Dichloride-Cobalt(II) Complex with Iodo Substituted Chalcone Ligands. Crystals, 2020, 10, 354.	2.2	7
1315	Halogen-Bonding Interaction between I2 and N-Iodosuccinimide in Lewis Base-Catalyzed Iodolactonization. Organic Letters, 2020, 22, 4888-4892.	4.6	10
1316	Solid-state to solution helicity inversion of pseudotetrahedral chiral copper(<scp>ii</scp>) complexes with 2,4-dihalo-salicylaldiminate ligands. Dalton Transactions, 2020, 49, 8247-8264.	3.3	16
1317	Nonâ€Bonding Electron Pair versus Ï€â€Electrons in Solution Phase Halogen Bond Catalysis: Povarov Reaction of 2â€Vinylindoles and Imines. Advanced Synthesis and Catalysis, 2020, 362, 3208-3212.	4.3	17
1318	Proton Transfer Can Govern Regioselectivity Assisted by Iron Catalysis. IScience, 2020, 23, 101214.	4.1	1
1319	"Antiâ€elektrostatische―Halogenbrücken. Angewandte Chemie, 2020, 132, 11244-11251.	2.0	10
1320	Controlled supramolecular polymerization of π-systems. Chemical Communications, 2020, 56, 6757-6769.	4.1	90
1321	Hybrid Molecular Dynamics for Elucidating Cooperativity Between Halogen Bond and Water Molecules During the Interaction of p53-Y220C and the PhiKan5196 Complex. Frontiers in Chemistry, 2020, 8, 344.	3.6	4
1322	Halogen Bonding in Isostructural Co(II) Complexes with 2-Halopyridines. Crystals, 2020, 10, 289.	2.2	24
1323	Symmetrical Noncovalent Interactions Br···Br Observed in Crystal Structure of Exotic Primary Peroxide. Symmetry, 2020, 12, 637.	2.2	12
1324	An Investigation of Halogen Bonding as a Structure-Directing Interaction in Dithiadiazolyl Radicals. Crystal Growth and Design, 2020, 20, 4313-4324.	3.0	8
1325	Activation of a Metalâ€Halogen Bond by Halogen Bonding. Angewandte Chemie - International Edition, 2020, 59, 16496-16500.	13.8	67
1326	Interaction Nature and Computational Methods for Halogen Bonding: A Perspective. Journal of Chemical Information and Modeling, 2020, 60, 2683-2696.	5.4	39
1327	Building Shape-Persistent Arylene Ethynylene Macrocycles as Scaffolds for 1,4-Diiodobutadiyne. Journal of Organic Chemistry, 2020, 85, 7641-7647.	3.2	1
1328	Quantifying Intramolecular Halogen Bonds in Nucleic Acids: A Combined Protein Data Bank and Theoretical Study. ACS Chemical Biology, 2020, 15, 1942-1948.	3.4	18

#	Article	IF	CITATIONS
1329	Exploring the Halogen-Bonded Cocrystallization Potential of a Metal-Organic Unit Derived from Copper(ii) Chloride and 4-Aminoacetophenone. Materials, 2020, 13, 2385.	2.9	5
1330	Diphenylene Iodonium Is a Noncovalent MAO Inhibitor: A Biochemical and Structural Analysis. ChemMedChem, 2020, 15, 1394-1397.	3.2	4
1331	Nucleation mechanisms of iodic acid in clean and polluted coastal regions. Chemosphere, 2020, 253, 126743.	8.2	25
1332	Mechanochemical reactions of cocrystals: comparing theory with experiment in the making and breaking of halogen bonds in the solid state. Chemical Communications, 2020, 56, 8293-8296.	4.1	18
1333	Synthetic flavonoid derivatives targeting the glycogen phosphorylase inhibitor site: QM/MM-PBSA motivated synthesis of substituted 5,7-dihydroxyflavones, crystallography, in vitro kinetics and ex-vivo cellular experiments reveal novel potent inhibitors. Bioorganic Chemistry, 2020, 102, 104003.	4.1	13
1334	Components of the interaction energy of the odd-electron halogen bond: an <i>ab initio</i> study. Physical Chemistry Chemical Physics, 2020, 22, 15389-15400.	2.8	6
1335	Diarylâ€Î» 3 â€iodane Woven Supramolecular Architecture of Polyoxometalate. ChemistrySelect, 2020, 5, 7056-7059.	1.5	1
1336	Complexes of HArF and AuX (X = F, Cl, Br, I). Comparison of Hâ€bonds, halogen bonds, Fâ€shared bonds and covalent bonds. Applied Organometallic Chemistry, 2020, 34, e5891.	3.5	6
1337	Resonance Assisted Chalcogen Bonding as a New Synthon in the Design of Dyes. Chemistry - A European Journal, 2020, 26, 14833-14837.	3.3	48
1338	Opening the Third Century of Polyhalide Chemistry: Thermally Stable Complex with "Trapped― Dichlorine. Chemistry - A European Journal, 2020, 26, 13776-13778.	3.3	18
1339	Halogen Bonds in Protein Nucleic Acid Recognition. Journal of Chemical Theory and Computation, 2020, 16, 4744-4752.	5.3	25
1340	On the reciprocal relationship between Ï <i>f</i> -hole bonding and (anti)aromaticity gain in ketocyclopolyenes. Organic and Biomolecular Chemistry, 2020, 18, 5125-5129.	2.8	4
1341	Halogen Bonding Between Anions: Association of Anion Radicals of Tetraiodo―p â€benzoquinone with Iodide Anions. Angewandte Chemie - International Edition, 2020, 59, 17197-17201.	13.8	13
1342	Selective Recognition of Chloride Anion in Water. Organic Letters, 2020, 22, 4878-4882.	4.6	27
1343	Halogen Bonding Between Anions: Association of Anion Radicals of Tetraiodo―p â€benzoquinone with Iodide Anions. Angewandte Chemie, 2020, 132, 17350-17354.	2.0	4
1344	Halogenide anions as halogen and hydrogen bond acceptors in iodopyridinium halogenides. CrystEngComm, 2020, 22, 4039-4046.	2.6	26
1345	Antitubercular polyhalogenated phenothiazines and phenoselenazine with reduced binding to CNS receptors. European Journal of Medicinal Chemistry, 2020, 201, 112420.	5.5	12
1346	Noncovalent Interactions in Compounds Based on Perchlorinated Boron Cluster as Monitored by 35Cl NQR (Review). Russian Journal of Inorganic Chemistry, 2020, 65, 546-566.	1.3	17

#	Article	IF	Citations
1347	The Relevance of Size Matching in Selfâ€assembly: Impact on Regio―and Chemoselective Cocrystallizations. Chemistry - A European Journal, 2020, 26, 11701-11704.	3.3	5
1348	The C–I··· [–] O–N ⁺ Halogen Bonds with Tetraiodoethylene and Aromatic N-Oxides. Crystal Growth and Design, 2020, 20, 5330-5337.	3.0	17
1349	One-Pot Route to X-perfluoroarenes (X = Br, I) Based on Fe ^{III} -Assisted C–F Functionalization and Utilization of These Arenes as Building Blocks for Crystal Engineering Involving Halogen Bonding. Crystal Growth and Design, 2020, 20, 5908-5921.	3.0	30
1350	Diversity and uniformity in anion–π complexes of thiocyanate with aromatic, olefinic and quinoidal Ï€-acceptors. Dalton Transactions, 2020, 49, 8734-8743.	3.3	19
1351	Aktivierung einer Metallâ€Halogenâ€Bindung durch Halogenbrücken. Angewandte Chemie, 2020, 132, 16638.	2.0	8
1352	σâ€Hole Interactions in Catalysis. European Journal of Organic Chemistry, 2020, 2020, 5473-5487.	2.4	131
1353	The halogen bond with isocyano carbon reduces isocyanide odor. Nature Communications, 2020, 11, 2921.	12.8	46
1354	Unexpected Sandwiched-Layer Structure of the Cocrystal Formed by Hexamethylbenzene with 1,3-Diiodotetrafluorobenzene: A Combined Theoretical and Crystallographic Study. Crystals, 2020, 10, 379.	2.2	4
1355	Asymmetric [N–l–N] ⁺ halonium complexes. Chemical Communications, 2020, 56, 8428-8431.	4.1	41
1356	A "σ-Hole―Containing Volatile Solid Additive Enabling 16.5% Efficiency Organic Solar Cells. IScience, 2020, 23, 100965.	4.1	61
1357	Solidâ€Phase Radical Polymerization of Halogenâ€Bondâ€Based Crystals and Applications to Pre‣haped Polymer Materials. Angewandte Chemie, 2020, 132, 9446-9450.	2.0	2
1358	Solidâ€Phase Radical Polymerization of Halogenâ€Bondâ€Based Crystals and Applications to Preâ€&haped Polymer Materials. Angewandte Chemie - International Edition, 2020, 59, 9360-9364.	13.8	10
1359	Not Only Hydrogen Bonds: Other Noncovalent Interactions. Crystals, 2020, 10, 180.	2.2	289
1360	DFT and Kinetic Evaluation of Chloromethane Removal Using Cost-Effective Activated Carbon. Arabian Journal for Science and Engineering, 2020, 45, 4705-4716.	3.0	11
1361	Complementary Features of Inorganic (M–X) and Organic (C–X′) Halogens in C–X′···X–M Halog A Study Based on Structure, Energy, and Topological Electron Density. Crystal Growth and Design, 2020, 20, 2266-2274.	en Bonds 3.0	:: 4
1362	Discovery of Highly Potent Benzimidazole Derivatives as Indoleamine 2,3-Dioxygenase-1 (IDO1) Inhibitors: From Structure-Based Virtual Screening to <i>in Vivo</i> Pharmacodynamic Activity. Journal of Medicinal Chemistry, 2020, 63, 3047-3065.	6.4	40
1363	Selective fluorescence sensing of H2PO4â^'by the anion induced formation of self-assembled supramolecular polymers. Organic and Biomolecular Chemistry, 2020, 18, 3858-3866.	2.8	15
1364	No regioselectivity for the steroid α-face in cocrystallization of exemestane with aromatic cocrystal formers based on phenanthrene and pyrene. Canadian Journal of Chemistry, 2020, 98, 386-393.	1.1	1

#	Article	IF	CITATIONS
1365	Dramatic Enhancement of Binding Affinities Between Foldamerâ€Based Receptors and Anions by Intraâ€Receptor π‧tacking. Angewandte Chemie - International Edition, 2020, 59, 10441-10445.	13.8	18
1366	Halogen-bonded building block for 2D self-assembly: Triggered by hydrogen-bonding motifs relative to the terminal functions of the side chains. Applied Surface Science, 2020, 515, 145983.	6.1	17
1367	Crystal Structure of the Heteroligand Complex [(2-Br-5-MePy)2CoCl2] · (2-Br-5-MePy): Formation of Supramolecular Associates due to the Halogen Bond. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2020, 46, 37-41.	1.0	7
1368	Heteroleptic Binuclear Iodoacetate Copper(II) Complexes with 3-Bromopyridine and 4-Ethylpyridine: Crystal Structures and Peculiarities of Contacts Halogen···Halogen. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2020, 46, 119-124.	1.0	6
1369	A Halogen Bonding Perspective on Iodothyronine Deiodinase Activity. Molecules, 2020, 25, 1328.	3.8	17
1370	Kinetic and Dynamic Kinetic Resolution of Racemic Tertiary Bromides by Pentanidiumâ€Catalyzed Phaseâ€Transfer Azidation. Angewandte Chemie, 2020, 132, 9140-9143.	2.0	8
1371	Dramatic Enhancement of Binding Affinities Between Foldamerâ€Based Receptors and Anions by Intraâ€Receptor ï€â€Stacking. Angewandte Chemie, 2020, 132, 10527-10531.	2.0	4
1372	Evidence for Halogen Bonding in Amorphous Solid Dispersions. Crystal Growth and Design, 2020, 20, 3224-3235.	3.0	27
1373	Molecules Forced to Interact: Benzene and Pentafluoroiodobenzene. Crystal Growth and Design, 2020, 20, 3217-3223.	3.0	6
1374	Halogen bonds of halonium ions. Chemical Society Reviews, 2020, 49, 2688-2700.	38.1	97
1375	Phosphine Oxides as Spectroscopic Halogen Bond Descriptors: IR and NMR Correlations with Interatomic Distances and Complexation Energy. Molecules, 2020, 25, 1406.	3.8	21
1376	NMR crystallography of molecular organics. Progress in Nuclear Magnetic Resonance Spectroscopy, 2020, 118-119, 10-53.	7.5	95
1377	Halogen Bonds (NI) at Work: Supramolecular Catemeric Architectures of 2,7-Dipyridylfluorene with <i>ortho</i> -, <i>meta</i> -, or <i>para</i> -Diiodotetrafluorobenzene Isomers. Crystal Growth and Design, 2020, 20, 3429-3441.	3.0	17
1378	Non-covalent interactions with inverted carbon: a carbo-hydrogen bond or a new type of hydrogen bond?. Physical Chemistry Chemical Physics, 2020, 22, 8988-8997.	2.8	21
1379	In Situ Assessment of Intrinsic Strength of X-lâ<⁻OA-Type Halogen Bonds in Molecular Crystals with Periodic Local Vibrational Mode Theory. Molecules, 2020, 25, 1589.	3.8	26
1380	Visible Light-Induced Homolytic Cleavage of Perfluoroalkyl Iodides Mediated by Phosphines. Molecules, 2020, 25, 1606.	3.8	19
1381	The remarkable propensity for the formation of C–Hâ<¯Ĩ€(chelate ring) interactions in the crystals of the first-row transition metal dithiocarbamates and the supramolecular architectures they sustain. CrystEngComm, 2020, 22, 7308-7333.	2.6	18
1382	Hydrogenâ€Bonded Crystalline Molecular Machines with Ultrafast Rotation and Displacive Phase Transitions. Chemistry - A European Journal, 2020, 26, 11727-11733.	3.3	13

#	Article	IF	CITATIONS
1383	Supramolecular Assembly of Metal Complexes by (Aryl)Iâ‹â‹â‹d[Pt ^{II}] Halogen Bonds. Chemistry A European Journal, 2020, 26, 7692-7701.	3.3	54
1384	"Antiâ€Electrostatic―Halogen Bonding. Angewandte Chemie - International Edition, 2020, 59, 11150-11157.	. 13.8	59
1385	In Situ Synthesis and Applications for Polyinterhalides Based on BrCl. Chemistry - A European Journal, 2020, 26, 15183-15189.	3.3	8
1386	Charge assisted halogen and pnictogen bonds: insights from the Cambridge Structural Database and DFT calculations. CrystEngComm, 2020, 22, 7162-7169.	2.6	21
1387	Anion recognition based on halogen, chalcogen, pnictogen and tetrel bonding. Coordination Chemistry Reviews, 2020, 413, 213270.	18.8	160
1388	Structurally Tunable pH-Responsive Luminescent Assemblies from Halogen Bonded Supra-Ï€-amphiphiles. Langmuir, 2020, 36, 3089-3095.	3.5	22
1389	Does Chlorine in CH3Cl Behave as a Genuine Halogen Bond Donor?. Crystals, 2020, 10, 146.	2.2	18
1390	Application of Halogen Bonding to Organocatalysis: A Theoretical Perspective. Molecules, 2020, 25, 1045.	3.8	45
1391	Predictive association of metal–organic systems in the solid-state: the molecular electrostatic potential based approach. Crystallography Reviews, 2020, 26, 69-100.	1.5	4
1392	Intermolecular Interactions between Halogenâ€Substituted <i>p</i> â€Benzoquinones and Halide Anions: Anionâ€i€ Complexes versus Halogen Bonding. ChemPlusChem, 2020, 85, 441-449.	2.8	8
1393	Supramolecular Assemblies in Silver Complexes: Phase Transitions and the Role of the Halogen Bond. Inorganic Chemistry, 2020, 59, 4140-4149.	4.0	5
1394	Biological control of <i>S</i> -nitrosothiol reactivity: potential role of sigma-hole interactions. Physical Chemistry Chemical Physics, 2020, 22, 6595-6605.	2.8	3
1395	An Interacting Quantum Atoms (IQA) and Relative Energy Gradient (REG) Study of the Halogen Bond with Explicit Analysis of Electron Correlation. Molecules, 2020, 25, 2674.	3.8	14
1396	Supramolecular assembly of lanthanide-2,3,5,6-tetrafluoroterephthalic acid coordination polymers <i>via</i> fluorineâ√fluorine interactions: a platform for luminescent detection of Fe ³⁺ and nitroaromatic compounds. New Journal of Chemistry, 2020, 44, 12317-12330.	2.8	11
1397	Synthesis, Structure and Hirshfeld Surface Analysis of Phosphine–Imidazolium Salt. MolBank, 2020, 2020, M1141.	0.5	1
1398	Minisci Câ^'H Alkylation of Heteroarenes Enabled by Dual Photoredox/Bromide Catalysis in Micellar Solutions**. Chemistry - A European Journal, 2020, 26, 15323-15329.	3.3	23
1399	Strengthening of halogen bond in XClâ^™â^™â^™FHâ^™â^™â^™Fâ^' through cooperativity with a strong hydroger proton transfer. Journal of Molecular Graphics and Modelling, 2020, 100, 107673.	n bond and 2.4	d ₃
1400	Organic halogen-bonded co-crystals for optoelectronic applications. Science China Materials, 2020, 63. 1613-1630.	6.3	22

#	Article	IF	CITATIONS
1401	Modulation of Crystal Packing via the Tuning of Peripheral Functionality for a Family of Dinuclear Mesocates. Chemistry - an Asian Journal, 2020, 15, 2716-2723.	3.3	0
1402	A Molecular Capsule with Revolving Doors Partitioning Its Inner Space. Chemistry - A European Journal, 2020, 26, 16480-16485.	3.3	Ο
1403	HIO _{<i>x</i>} –IONO ₂ Dynamics at the Air–Water Interface: Revealing the Existence of a Halogen Bond at the Atmospheric Aerosol Surface. Journal of the American Chemical Society, 2020, 142, 12467-12477.	13.7	8
1404	Pnictogen-bonding catalysis: brevetoxin-type polyether cyclizations. Chemical Science, 2020, 11, 7086-7091.	7.4	62
1405	Halogen Bond atalyzed Povarov Reactions. Advanced Synthesis and Catalysis, 2020, 362, 3437-3441.	4.3	23
1406	Stability and electronic properties of binary systems involving hydrogen and halogen bonded [12]cyclacenes: a DFT study. Structural Chemistry, 2020, 31, 2171-2177.	2.0	0
1407	Emergence of electrical conductivity in a flexible coordination polymer by using chemical reduction. Chemical Communications, 2020, 56, 8619-8622.	4.1	19
1408	Nature of fluorine interactions in â€~wheel and axle' topology based hexa-coordinated Sn(<scp>iv</scp>)-porphyrins: an experimental and theoretical analysis. CrystEngComm, 2020, 22, 5049-5059.	2.6	2
1409	The effect of halogen on arylsulfonylated phenothiazines for solid-sate luminescence and photocatalytic performance. Journal of Catalysis, 2020, 389, 604-610.	6.2	1
1410	Short and Linear Intermolecular Tetrel Bonds to Tin. Cocrystal Engineering with Triphenyltin Chloride. Crystal Growth and Design, 2020, 20, 2027-2034.	3.0	21
1411	Chlorine directed C–Cl … Ï€ and C–Hâ∢⊂Cl interactions in acridinium 3,5-dichlorosalicylate: Synthesis, X-ray diffraction and theoretical analysis. Journal of Molecular Structure, 2020, 1220, 128759.	3.6	2
1412	Supramolecularassemblies through hydrogen bonding and Br…Onitro interactions in 4-bromoanilinium 2,4-dinitrobenzoate crystals. Journal of Molecular Structure, 2020, 1221, 128788.	3.6	0
1413	$\"i$ € covalency in the halogen bond. Nature Communications, 2020, 11, 3310.	12.8	52
1414	Cambridge Structural Database (CSD). , 2021, , 413-437.		1
1415	Synthesis of 2-guanidinyl pyridines and their trypsin inhibition and docking. Bioorganic and Medicinal Chemistry, 2020, 28, 115612.	3.0	0
1416	Partitioning of interaction-induced nonlinear optical properties of molecular complexes. II. Halogen-bonded systems. Physical Chemistry Chemical Physics, 2020, 22, 4225-4234.	2.8	8
1417	n → π* interactions as a versatile tool for controlling dynamic imine chemistry in both organic and aqueous media. Chemical Science, 2020, 11, 2707-2715.	7.4	29
1418	Zweizänige chirale Bis(imidazolium)â€basierte Halogenbrückendonoren: Synthese und Anwendungen in enantioselektiver Erkennung und Katalyse. Angewandte Chemie, 2020, 132, 6872-6877.	2.0	16

#	Article	IF	CITATIONS
1419	Bidentate Chiral Bis(imidazolium)â€Based Halogenâ€Bond Donors: Synthesis and Applications in Enantioselective Recognition and Catalysis. Angewandte Chemie - International Edition, 2020, 59, 6806-6810.	13.8	76
1420	Halogenation of the N â€Terminus Tyrosine 10 Promotes Supramolecular Stabilization of the Amyloidâ€Î² Sequence 7–12. ChemistryOpen, 2020, 9, 253-260.	1.9	6
1421	Synthesis and Evaluation of Halogenated 5-(2-Hydroxyphenyl)pyrazoles as Pseudilin Analogues Targeting the Enzyme IspD in the Methylerythritol Phosphate Pathway. Journal of Agricultural and Food Chemistry, 2020, 68, 3071-3078.	5.2	10
1422	Regium Bonds between Silver(I) Pyrazolates Dinuclear Complexes and Lewis Bases (N2, OH2, NCH, SH2,) Tj ETQo	1 1 0.784 2.2	1314 rgBT / 17
1423	Supramolecular Sandwiches: Halogen-Bonded Coformers Direct [2+2] Photoreactivity in Two-Component Cocrystals. Molecules, 2020, 25, 907.	3.8	14
1424	Biomimetic engineering of the molecular recognition and self-assembly of peptides and proteins via halogenation. Coordination Chemistry Reviews, 2020, 411, 213242.	18.8	37
1425	Catalytic Asymmetric Mannichâ€Type Reaction of Malononitrile with Nâ€Boc αâ€Ketiminoesters Using Chiral Organic Base Catalyst with Halogen Bond Donor Functionality. Advanced Synthesis and Catalysis, 2020, 362, 1674-1678.	4.3	29
1426	Evaluation of the Influence of Halogenation on the Binding of Bisphenol A to the Estrogen-Related Receptor Î ³ . Chemical Research in Toxicology, 2020, 33, 889-902.	3.3	6
1427	Interactions Steering Arrangement of Molecules in Crystals. Crystals, 2020, 10, 130.	2.2	1
1428	Selectively Tunable Domino Reaction of 1,3â€Diphenylpropaneâ€1,3â€dione on the Ethoxyâ€Silicon Core. European Journal of Inorganic Chemistry, 2020, 2020, 656-664.	2.0	0
1429	Molecular Recognition and Cocrystallization of Methylated and Halogenated Fragments of Danicalipin A by Enantiopure Alleno-Acetylenic Cage Receptors. Journal of the American Chemical Society, 2020, 142, 4749-4755.	13.7	16
1430	The role of architectural engineering in macromolecular self-assemblies via non-covalent interactions: A molecular LEGO approach. Progress in Polymer Science, 2020, 103, 101230.	24.7	75
1431	Critical comparison of R Xâ‹̈Y and R Hâ‹̃Y directionality in halogen and hydrogen bonds using modern computational chemistry methods. Chemical Physics Letters, 2020, 744, 137221.	2.6	10
1432	Macrocyclic dimer of Fc(NHC(O)PPh2-AuCl)2 induced by aurophilic interactions, and chirality induction into Fc core. Journal of Organometallic Chemistry, 2020, 912, 121182.	1.8	4
1433	Incorporating Ester Functionality within a Solid-State [2 + 2] Cycloaddition Reaction Based Upon Halogen Bonding Interactions. Crystal Growth and Design, 2020, 20, 1969-1974.	3.0	17
1434	Existence of untypical halogen-involving interactions in crystal packings: a statistical and first-principles study. CrystEngComm, 2020, 22, 2756-2765.	2.6	13
1435	Molecular Electrostatic Potential Reorganization Theory to Describe Positive Cooperativity in Noncovalent Trimer Complexes. Journal of Physical Chemistry A, 2020, 124, 2231-2241.	2.5	20
1436	CpRu/BrÃ,nsted Acid-Catalyzed Enantioselective Dehydrative Cyclization of Pyrroles N-Tethered with Allylic Alcohols. Organic Letters, 2020, 22, 1929-1933.	4.6	15

#	Article	IF	CITATIONS
1437	Preorganization: A Powerful Tool in Intermolecular Halogen Bonding in Solution. ChemistryOpen, 2020, 9, 214-224.	1.9	32
1438	(C ₃ H ₉ NI) ₄ AgBil ₈ : a direct-bandgap layered double perovskite based on a short-chain spacer cation for light absorption. Chemical Communications, 2020, 56, 3206-3209.	4.1	51
1439	Influence of Halogen Substituent on the Self-Assembly and Crystal Packing of Multicomponent Crystals Formed from Ethacridine and Meta-Halobenzoic Acids. Crystals, 2020, 10, 79.	2.2	8
1440	Construction of 2D extended cocrystals on the Au(111) surface <i>via</i> lâ <o<sub>aldehyde halogen bonds. Chemical Communications, 2020, 56, 3539-3542.</o<sub>	4.1	9
1441	Halogenâ< halogen interactions in decahalo- <i>closo</i> -carboranes: CSD analysis and theoretical study. Physical Chemistry Chemical Physics, 2020, 22, 6122-6130.	2.8	12
1442	Two Orthogonal Halogenâ€Bonding Interactions Directed 2D Crystalline Supramolecular Jâ€Dimer Lamellae. Chemistry - A European Journal, 2020, 26, 4505-4509.	3.3	21
1443	Halogen···halogen contacts in triiodide salts of pyridinium-derived cations: Theoretical and spectroscopic studies. Journal of Molecular Structure, 2020, 1209, 127949.	3.6	5
1444	A Conceptual DFT Study of Phosphonate Dimers: Dianions Supported by H-Bonds. Journal of Physical Chemistry A, 2020, 124, 2207-2214.	2.5	25
1445	Halogen-Bond-Induced Consecutive C _{sp} ³ –H Aminations via Hydrogen Atom Transfer Relay Strategy. Organic Letters, 2020, 22, 2135-2140.	4.6	39
1446	The nido â€Cageâ‹â‹ï€ Bond: A Nonâ€covalent Interaction between Boron Clusters and Aromatic Rings an Applications. Angewandte Chemie, 2020, 132, 9103-9110.	d Its 2.0	7
1447	On‣urface Assembly of Hydrogen―and Halogenâ€Bonded Supramolecular Graphyne‣ike Networks. Angewandte Chemie, 2020, 132, 9636-9642.	2.0	3
1448	The <i>nido</i> â€Cageâ<â<ï€ Bond: A Nonâ€covalent Interaction between Boron Clusters and Aromatic Ri and Its Applications. Angewandte Chemie - International Edition, 2020, 59, 9018-9025.	ngs 13.8	32
1449	On‣urface Assembly of Hydrogen―and Halogenâ€Bonded Supramolecular Graphyne‣ike Networks. Angewandte Chemie - International Edition, 2020, 59, 9549-9555.	13.8	21
1450	Kinetic and Dynamic Kinetic Resolution of Racemic Tertiary Bromides by Pentanidiumâ€Catalyzed Phaseâ€Transfer Azidation. Angewandte Chemie - International Edition, 2020, 59, 9055-9058.	13.8	25
1451	Solid-state NMR spectroscopy for the analysis of element-based non-covalent interactions. Coordination Chemistry Reviews, 2020, 411, 213237.	18.8	32
1452	DFT-based study of the bulk tin mixed-halide CsSnI3-Br perovskite. Computational Materials Science, 2020, 178, 109619.	3.0	19
1453	Changing Sandstone Rock Wettability with Supercritical CO ₂ -Based Silylation. Energy & Fuels, 2020, 34, 2015-2027.	5.1	7
1454	A Modified Townes-Dailey Model for Interpretation and Visualization of Nuclear Quadrupole Coupling Tensors in Molecules. Journal of Physical Chemistry A, 2020, 124, 1176-1186.	2.5	11

#	Article	IF	CITATIONS
1455	Halogen-Bond-Controlled Self-Assembly of Regioisomeric Phenanthridine Derivatives into Nanowires and Nanosheets. Journal of Physical Chemistry C, 2020, 124, 5665-5671.	3.1	15
1456	Straightening out halogen bonds. CrystEngComm, 2020, 22, 1687-1690.	2.6	8
1457	One- and Two-Dimensional lodine-Rich lodobismuthate(III) Complexes: Structure, Optical Properties, and Features of Halogen Bonding in the Solid State. Inorganic Chemistry, 2020, 59, 3290-3296.	4.0	62
1458	Halogen Bonding in Twoâ€Dimensional Crystal Engineering. ChemistryOpen, 2020, 9, 225-241.	1.9	96
1459	Isomorphous Series of Pd ^{II} -Containing Halogen-Bond Donors Exhibiting Cl/Br/I Triple Halogen Isostructural Exchange. Crystal Growth and Design, 2020, 20, 1975-1984.	3.0	19
1460	Enhanced Ordering and Efficient Photoalignment of Nanostructures in Block Copolymers Enabled by Halogen Bond. Macromolecules, 2020, 53, 1486-1493.	4.8	22
1461	Lone Pair Rotational Dynamics in Solids. Physical Review Letters, 2020, 124, 066001.	7.8	12
1462	Synthesis of New Oxindoles and Determination of Their Antibacterial Properties. Heteroatom Chemistry, 2020, 2020, 1-9.	0.7	5
1463	Synthesis, X-ray Characterization and Density Functional Theory (DFT) Studies of Two Polymorphs of the α,α,α,α, Isomer of Tetra-p-lodophenyl Tetramethyl Calix[4]pyrrole: On the Importance of Halogen Bonds. Molecules, 2020, 25, 285.	3.8	3
1464	Direct investigation of chalcogen bonds by multinuclear solid-state magnetic resonance and vibrational spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 3817-3824.	2.8	33
1465	Halogen Bonding Facilitates Intersystem Crossing in Iodo-BODIPY Chromophores. Journal of Physical Chemistry Letters, 2020, 11, 877-884.	4.6	33
1466	Simple iodoalkyne-based organocatalysts for the activation of carbonyl compounds. Organic and Biomolecular Chemistry, 2020, 18, 1594-1601.	2.8	19
1467	Theoretical Description of R–X⋯NH3 Halogen Bond Complexes: Effect of the R Group on the Complex Stability and Sigma-Hole Electron Depletion. Molecules, 2020, 25, 530.	3.8	5
1468	Halogen-bonding-induced diverse aggregation of 4,5-diiodo-1,2,3-triazolium salts with different anions. Beilstein Journal of Organic Chemistry, 2020, 16, 78-87.	2.2	2
1469	Anion Recognition by Neutral Chalcogen Bonding Receptors: Experimental and Theoretical Investigations. Chemistry - A European Journal, 2020, 26, 4706-4713.	3.3	49
1470	One-Step Photocontrolled Polymerization-Induced Self-Assembly (Photo-PISA) by Using In Situ Bromine-Iodine Transformation Reversible-Deactivation Radical Polymerization. Polymers, 2020, 12, 150.	4.5	8
1471	The Brâ<ï€ halogen bond assisted self-assembly of an asymmetric molecule regulated by concentration. Chemical Communications, 2020, 56, 2727-2730.	4.1	15
1472	Chargeâ€Assisted Chalcogen Bonds: CSD and DFT Analyses and Biological Implication in Glucosidase Inhibitors. Chemistry - A European Journal, 2020, 26, 4599-4606.	3.3	42

#	Article	IF	CITATIONS
1473	Is There a Single Ideal Parameter for Halogenâ€Bondingâ€Based Lewis Acidity?. Chemistry - A European Journal, 2020, 26, 3843-3861.	3.3	34
1474	A computational study of XCCl3 (XÂ=ÂNC, F, Cl, Br) interacting with model ions. Chemical Physics Letters, 2020, 742, 137173.	2.6	2
1475	Halogen Bonds in Ligand–Protein Systems: Molecular Orbital Theory for Drug Design. Journal of Chemical Information and Modeling, 2020, 60, 1317-1328.	5.4	27
1476	Syntheses and crystal structures of new aurate salts of adenine or guanine nucleobases. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 139-147.	0.5	1
1477	Chlorotellurate(iv) supramolecular associates with "trapped―Br2: features of non-covalent halogenâ< halogen interactions in crystalline phases. CrystEngComm, 2020, 22, 1985-1990.	2.6	16
1478	The Morpholinyl Oxygen Atom as an Acceptor Site for Halogen-Bonded Cocrystallization of Organic and Metal–Organic Units. Crystal Growth and Design, 2020, 20, 3617-3624.	3.0	14
1479	Crystal Structure and Supramolecular Architecture of Inorganic Ligand-Coordinated Salen-Type Schiff Base Complex: Insights into Halogen Bond from Theoretical Analysis and 3D Energy Framework Calculations. Crystals, 2020, 10, 334.	2.2	18
1480	The First Use of a ReX ₅ Synthon to Modulate Fe ^{III} Spin Crossover via Supramolecular Halogenâ<â<â <halogen -="" 11835-11840<="" 2020,="" 26,="" a="" chemistry="" european="" interactions.="" journal,="" td=""><td>.3.3</td><td>6</td></halogen>	.3.3	6
1481	The Origin of the σâ€Hole in Halogen Atoms: a Valence Bond Perspective. ChemistryOpen, 2020, 9, 445-450.	1.9	4
1482	Twenty years of supramolecular solvents in sample preparation for chromatography: achievements and challenges ahead. Analytical and Bioanalytical Chemistry, 2020, 412, 6037-6058.	3.7	52
1483	Halogen-containing semiconductors: From artificial photosynthesis to unconventional computing. Coordination Chemistry Reviews, 2020, 415, 213316.	18.8	21
1484	Effect of deep eutectic solvents hydrogen bond acceptor on the anhydrous proton conductivity of Nafion membrane for fuel cell applications. Journal of Membrane Science, 2020, 605, 118116.	8.2	29
1485	Noncovalent Sulfoxide–Nitrile Coupling Involving Four-Center Heteroleptic Dipole–Dipole Interactions between the Sulfinyl and Nitrile Groups. Crystal Growth and Design, 2020, 20, 3417-3428.	3.0	17
1486	Halogen-Bonded Bithiophene-Based Nanofibers for Luminescent Sensing. ACS Applied Nano Materials, 2020, 3, 3951-3959.	5.0	16
1487	Halogen bonding for molecular recognition: new developments in materials and biological sciences. Chemical Communications, 2020, 56, 4970-4981.	4.1	90
1488	Systematic coformer contribution to cocrystal stabilization: energy and packing trends. CrystEngComm, 2020, 22, 7341-7349.	2.6	17
1489	Development of novel C-nucleoside analogues for the formation of antiparallel-type triplex DNA with duplex DNA that includes TA and dUA base pairs. Organic and Biomolecular Chemistry, 2020, 18, 2845-2851.	2.8	19
1490	A Novel Halogen Bond Acceptor: 1-(4-Pyridyl)-4-Thiopyridine (PTP) Zwitterion. Crystals, 2020, 10, 165.	2.2	6

#	Article	IF	CITATIONS
1491	Stabilisation of dianion dimers trapped inside cyanostar macrocycles. Physical Chemistry Chemical Physics, 2020, 22, 11348-11353.	2.8	17
1492	Crystal engineering guidelines for ruthenium based wheel-and-axle compounds. Coordination Chemistry Reviews, 2020, 414, 213302.	18.8	8
1493	Supramolecular Polymerization: A Conceptual Expansion for Innovative Materials. Progress in Polymer Science, 2020, 105, 101250.	24.7	164
1494	Halogen bonding matters: visible light-induced photoredox catalyst-free aryl radical formation and its applications. Physical Chemistry Chemical Physics, 2020, 22, 10212-10218.	2.8	15
1495	Hypervalent Iodine(III) Compounds as Biaxial Halogen Bond Donors. Journal of the American Chemical Society, 2020, 142, 8633-8640.	13.7	67
1496	The effect of vicinal di-halo substituents on the organogelling properties of aromatic supramolecular gelators and their application as soft templates. New Journal of Chemistry, 2020, 44, 8198-8208.	2.8	5
1497	Pillar[5]arene-based self-assembled linear supramolecular polymer driven by guest halogen–halogen interactions in solid and solution states. Polymer Chemistry, 2020, 11, 3305-3312.	3.9	15
1498	Introducing chirality in halogenated 3-arylsydnones and their corresponding 1-arylpyrazoles obtained by 1,3-dipolar cycloaddition. RSC Advances, 2020, 10, 15656-15664.	3.6	9
1499	Electrides: a review. Journal of Materials Chemistry C, 2020, 8, 10551-10567.	5.5	73
1500	Computational insight into the halogen bonded self-assembly of hexa-coordinated metalloporphyrins. Physical Chemistry Chemical Physics, 2020, 22, 11558-11566.	2.8	13
1501	Anion templated crystal engineering of halogen bonding tripodal tris(halopyridinium) compounds. CrystEngComm, 2020, 22, 2526-2536.	2.6	13
1502	One-Dimensional Supramolecular Hybrid Iodobismuthate (1-EtPy)3{[Bi2I9](I2)0.75}: Structural Features and Theoretical Studies of I···I Non-Covalent Interactions. Journal of Cluster Science, 2021, 32, 787-791.	3.3	3
1503	Halogen Bondâ€Catalyzed Friedelâ^'Crafts Reactions of Furans Using a 2,2'â€Bipyridineâ€Based Catalyst. Advanced Synthesis and Catalysis, 2021, 363, 215-221.	4.3	13
1504	Structural perception into the supramolecular self-assembly directed by C Hâ€¢â€¢â€¢ï€ and ï€â€¢â€¢â€¢î€ inte of 5,15-di(4′-carboxyphenyl)-10,20-di(pyrenyl) zinc porphyrin linker. Journal of Molecular Structure, 2021, 1227, 129567.	eractions 3.6	1
1505	Theoretical, Solid‣tate, and Solution Quantification of the Hydrogen Bondâ€Enhanced Halogen Bond. Angewandte Chemie - International Edition, 2021, 60, 3685-3692.	13.8	24
1506	Insights into the Topology and the Formation of a Genuine ppσ Bond: Experimental and Computed Electron Densities in Monoanionic Trichlorine [Cl ₃] ^{â^'} . Angewandte Chemie - International Edition, 2021, 60, 2569-2573.	13.8	15
1507	Einblicke in die Topologie und die Bildung einer echten ppÏfâ€Bindung: Experimentelle und berechnete Elektronendichte im monoanionischen Trichlor [Cl 3] â^'. Angewandte Chemie, 2021, 133, 2600-2604.	2.0	4
1508	Novel PF74-like small molecules targeting the HIV-1 capsid protein: Balance of potency and metabolic stability. Acta Pharmaceutica Sinica B, 2021, 11, 810-822.	12.0	22

#	Article	IF	CITATIONS
1509	Integrating abiotic chemical catalysis and enzymatic catalysis in living cells. Organic and Biomolecular Chemistry, 2021, 19, 37-45.	2.8	9
1510	Quantification of Noncovalent Interactions in Azide–Pnictogen, –Chalcogen, and –Halogen Contacts. Chemistry - A European Journal, 2021, 27, 4627-4639.	3.3	25
1511	Halogen Complexes of Anionic Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2021, 27, 4349-4363.	3.3	25
1512	Role of imidazole edge to edge supramolecular interaction in the crystal packing of Cu(II)(SCNâ~')2(imidazole)2 complex: A novel variety of supramolecular interaction revealed by CCDC database analysis and explored through DFT computational studies. Journal of Molecular Structure, 2021, 1227, 129513.	3.6	3
1513	Color―and Dimensionâ€Tunable Lightâ€Harvesting Organic Chargeâ€Transfer Alloys for Controllable Photonâ€Transport Photonics. Angewandte Chemie - International Edition, 2021, 60, 3037-3046.	13.8	30
1514	Halogen–Halogen Bonded Donor-Acceptor Stacks Foster Orthogonal Electron and Hole Transport. Crystal Growth and Design, 2021, 21, 200-206.	3.0	14
1515	Organic room-temperature phosphorescence from halogen-bonded organic frameworks: hidden electronic effects in rigidified chromophores. Chemical Science, 2021, 12, 767-773.	7.4	34
1516	Neutral Chiral Tetrakisâ€lodoâ€Triazole Halogenâ€Bond Donor for Chiral Recognition and Enantioselective Catalysis. Chemistry - A European Journal, 2021, 27, 2315-2320.	3.3	28
1517	Intermolecular interactions in the crystal structures of chlorogold(I) complexes with N-phosphinoamide ligands. Inorganica Chimica Acta, 2021, 516, 120138.	2.4	3
1518	Selective Binding and Removal of Aromatic Guests in a Porous Halogen-Bonded Organic Framework. Crystal Growth and Design, 2021, 21, 482-489.	3.0	15
1519	Throughâ€5pace CBr··ķπ Halogen Interaction: Efficient Modulation of Reactionâ€Based Photochromism and Photoluminescence at Crystalline States for Irradiation Timeâ€Dependent Antiâ€Counterfeiting. Advanced Functional Materials, 2021, 31, 2009024.	14.9	27
1520	Optimal loading of omecamtiv mecarbil by chitosan: A comprehensive and comparative molecular dynamics study. Journal of Molecular Liquids, 2021, 322, 114908.	4.9	1
1521	An Insight into Non ovalent Interactions on the Bicyclo[1.1.1]pentane Scaffold. European Journal of Organic Chemistry, 2021, 2021, 1113-1122.	2.4	8
1522	Role of fluorine-fluorine and weak intermolecular interactions in the supramolecular network of a new trifluoromethyl-1,5-benzodiazepine: Crystal structure, Hirshfeld surface analysis and theoretical study. Journal of Fluorine Chemistry, 2021, 242, 109697.	1.7	9
1523	Investigation of the Reactivity of 1-Azido-3-iodobicyclo[1.1.1]pentane under "Click―Reaction Conditions. Journal of Organic Chemistry, 2021, 86, 1238-1245.	3.2	5
1524	Probing the halogen bond donation ability of multivalent At-center in AtXn (XÂ=ÂCl, Br, I; nÂ=Â1, 3,) Tj ETQq1 1	0.784314 2.5	rg&T /Overlo
1525	Achieving Ultrahigh Piezoelectricity in Organic–Inorganic Vacancy-Ordered Halide Double Perovskites for Mechanical Energy Harvesting. ACS Energy Letters, 2021, 6, 16-23.	17.4	28
1526	Heteroleptic Zn(II) 3,5-diiodosalicylates: Structures, luminescence and features of non-covalent interactions in solid state. Polyhedron, 2021, 194, 114895.	2.2	10

#	Article	IF	CITATIONS
1527	Bifurcated μ< ₂ -l···(N,O) Halogen Bonding: The Case of (Nitrosoguanidinate)Ni ^{II} Cocrystals with Iodine(I)-Based σ-Hole Donors. Crystal Growth and Design, 2021, 21, 588-596.	3.0	24
1528	Influence of structure and solubility of chain transfer agents on the RAFT control of dispersion polymerisation in scCO ₂ . Chemical Science, 2021, 12, 1016-1030.	7.4	4
1529	A Bidentate Iodine(III)â€Based Halogenâ€Bond Donor as a Powerful Organocatalyst**. Angewandte Chemie - International Edition, 2021, 60, 5069-5073.	13.8	85
1530	Fixation of CO ₂ into Cyclic Carbonates by Halogenâ€Bonding Catalysis. ChemSusChem, 2021, 14, 738-744.	6.8	35
1531	Theoretical, Solidâ€State, and Solution Quantification of the Hydrogen Bondâ€Enhanced Halogen Bond. Angewandte Chemie, 2021, 133, 3729-3736.	2.0	8
1532	Applications of reticular diversity in metal–organic frameworks: An ever-evolving state of the art. Coordination Chemistry Reviews, 2021, 430, 213655.	18.8	56
1533	Structural, spectroscopic, and computational evaluations of cation–cation and halogen bonding interactions in heterometallic uranyl hybrid materials. Inorganic Chemistry Frontiers, 2021, 8, 1128-1141.	6.0	7
1534	Photophysical and theoretical investigations of diarylimidazole derivative with application as a fluorescence sensor for Fe(III). Journal of Molecular Structure, 2021, 1224, 129185.	3.6	4
1535	Strong Ïf â€Hole Activation on Icosahedral Carborane Derivatives for a Directional Halide Recognition. Angewandte Chemie, 2021, 133, 370-374.	2.0	4
1536	Facile preparation of hydroxyl bearing covalent organic frameworks for analysis of phenoxy carboxylic acid pesticide residue in plant-derived food. Food Chemistry, 2021, 345, 128749.	8.2	33
1537	Carbon (sp3) tetrel bonding mediated BODIPY supramolecular assembly via unprecedented synergy of Csp3â‹ N and Csp3â‹ F pair interactions. CrystEngComm, 2021, 23, 268-272.	2.6	10
1538	Tuning halide perovskite energy levels. Energy and Environmental Science, 2021, 14, 1429-1438.	30.8	124
1539	Synthesis of <i>N</i> -aryl amines enabled by photocatalytic dehydrogenation. Chemical Science, 2021, 12, 1915-1923.	7.4	12
1540	Effects of n → π* Orbital Interactions on Molecular Rotors: The Control and Switching of Rotational Pathway and Speed. Organic Letters, 2021, 23, 231-235.	4.6	12
1541	Molecularly Engineered Hierarchical Nanodisc from Antiparallel Jâ€stacked BODIPY Conjugates: Application to Theranostics with Mutually Beneficial Properties. Advanced Functional Materials, 2021, 31, 2008406.	14.9	20
1542	Ein zweizäniger Iod(III)â€basierter Halogenbrückendonor als leistungsfäiger Organokatalysator**. Angewandte Chemie, 2021, 133, 5127-5132.	2.0	12
1543	Lack of Cooperativity in the Triangular X ₃ Halogen-Bonded Synthon?. Crystal Growth and Design, 2021, 21, 597-607.	3.0	14
1544	Tetrel and Pnictogen Bonds Complement Hydrogen and Halogen Bonds in Framing the Interactional Landscape of Barbituric Acids. Crystal Growth and Design, 2021, 21, 642-652.	3.0	26

#	Article	IF	CITATIONS
1545	Control of Molecular Orientation in Organic Semiconductors Using Weak Iodine–Iodine Interactions. Journal of Physical Chemistry Letters, 2021, 12, 111-116.	4.6	8
1546	Color―and Dimensionâ€Tunable Lightâ€Harvesting Organic Chargeâ€Transfer Alloys for Controllable Photonâ€Transport Photonics. Angewandte Chemie, 2021, 133, 3074-3083.	2.0	6
1547	Antimicrobial and antiprotozoal activities of silver coordination polymers derived from the asymmetric halogenated Schiff base ligands. Applied Organometallic Chemistry, 2021, 35, e6079.	3.5	11
1548	The HOXâ< ⁻ SO ₂ (X=F, Cl, Br, I) Binary Complexes: Implications for Atmospheric Chemistry. ChemPhysChem, 2021, 22, 112-126.	2.1	0
1549	Zero-, one-, two- and three-dimensional supramolecular architectures sustained by Se…O chalcogen bonding: A crystallographic survey. Coordination Chemistry Reviews, 2021, 427, 213586.	18.8	25
1550	Synthesis of Hydrazinylpyridines via Nucleophilic Aromatic Substitution and Further Transformation to Bicyclo[2.2.2]octenes Fused with Two N-Aminosuccinimide Moieties. Synthesis, 2021, 53, 1112-1120.	2.3	1
1551	Insight into the halogen-bonding interactions in the C6F5X··ÀZH3 (X = Cl, Br, I; Z = N, P, As) and C6F5I··ÂZ (Ph)3 (Z = N, P, As) complexes. Structural Chemistry, 2021, 32, 767-774.	2.0	4
1552	Theoretical rationale for the role of the strong halogen bond in the design and synthesis of organic semiconductor materials. Computational and Theoretical Chemistry, 2021, 1194, 113074.	2.5	7
1553	Mechanism of the Asymmetric Dehydrative Allylative Cyclization of Alcohols to Cyclic Ethers Catalyzed by a CpRu Complex of the Chiral Picolinic Acid-Type Ligand, Cl-Naph-PyCOOH: Is a π-Allyl Intermediate Present?. Bulletin of the Chemical Society of Japan, 2021, 94, 440-450.	3.2	1
1554	Modulation of Metallophilic and ï€â€"ï€ Interactions in Platinum Cyclometalated Luminophores with Halogen Bonding. Chemistry - A European Journal, 2021, 27, 1787-1794.	3.3	18
1555	Strong <i>σ</i> â€Hole Activation on Icosahedral Carborane Derivatives for a Directional Halide Recognition. Angewandte Chemie - International Edition, 2021, 60, 366-370.	13.8	20
1556	Flumatinib versus Imatinib for Newly Diagnosed Chronic Phase Chronic Myeloid Leukemia: A Phase III, Randomized, Open-label, Multi-center FESTnd Study. Clinical Cancer Research, 2021, 27, 70-77.	7.0	25
1557	Competition and conversion between pnicogen bonds and hydrogen bonds involving prototype organophosphorus compounds. Physical Chemistry Chemical Physics, 2021, 23, 18794-18805.	2.8	2
1560	Two new canted antiferromagnetic systems: magnetic, theoretical, and crystallographic studies on <i>trans</i> -bis(2-iodopyridine)dihalocopper(<scp>ii</scp>). Dalton Transactions, 2021, 50, 4167-4178.	3.3	6
1561	Words in supramolecular chemistry: the ineffable advances of polyiodide chemistry. Dalton Transactions, 2021, 50, 1142-1165.	3.3	24
1562	Experimental evidence that halogen bonding catalyzes the heterogeneous chlorination of alkenes in submicron liquid droplets. Chemical Science, 2021, 12, 10455-10466.	7.4	5
1563	Solvophobic interaction promoted supramolecular helical assembly of building blocks of weak intermolecular halogen bonding. Chemical Communications, 2021, 57, 1802-1805.	4.1	8
1564	Trinuclear molybdenum clusters with sulfide bridges as potential anionic receptors <i>via</i> chalcogen bonding. CrystEngComm, 2021, 23, 4607-4614.	2.6	6

#	Article	IF	CITATIONS
1565	Halogen bonding in uranyl and neptunyl trichloroacetates with alkali metals and improved crystal chemical formulae for coordination compounds. Dalton Transactions, 2021, 50, 4210-4218.	3.3	5
1566	Dissociative Photoionization of Chloro-, Bromo-, and Iodocyclohexane: Thermochemistry and the Weak C–Br Bond in the Cation. Journal of Physical Chemistry A, 2021, 125, 646-656.	2.5	5
1567	An expanded halogen bonding scale using astatine. Chemical Science, 2021, 12, 10855-10861.	7.4	7
1568	Classics Meet Classics: Theoretical and Experimental Studies of Halogen Bonding in Adducts of Platinum(II) 1,5-Cyclooctadiene Halide Complexes with Diiodine, Iodoform, and 1,4-Diiodotetrafluorobenzene. Crystal Growth and Design, 2021, 21, 974-987.	3.0	15
1569	Halogen bonding effect on electrochemical anion oxidation in ionic liquids. Organic and Biomolecular Chemistry, 2021, 19, 7587-7593.	2.8	3
1570	Halogen-bonded one-dimensional chains of functionalized ditopic bipyridines co-crystallized with mono-, di-, and triiodofluorobenzenes. CrystEngComm, 2021, 23, 4247-4251.	2.6	3
1573	A low cost, high accuracy method for halogen bonding complexes. Physical Chemistry Chemical Physics, 2021, 23, 3041-3049.	2.8	3
1574	Exploring Non-covalent Interactions by Jet-Cooled Electronic and Vibrational Spectroscopy. Progress in Optical Science and Photonics, 2021, , 57-86.	0.5	4
1575	Halogen bonding controlled 2D self-assembled polymorphism of regioisomeric thienophenanthrene derivatives by coadsorption. New Journal of Chemistry, 2021, 45, 6811-6816.	2.8	4
1576	Tracing absorption and emission characteristics of halogen-bonded ion pairs involving halogenated imidazolium species. Physical Chemistry Chemical Physics, 2021, 23, 7480-7494.	2.8	1
1577	Delocalized relativistic effects, from the viewpoint of halogen bonding. Physical Chemistry Chemical Physics, 2021, 23, 4064-4074.	2.8	10
1578	Visible-Light-Driven Halogen-Bond-Assisted Direct Synthesis of Heteroaryl Thioethers Using Transition-Metal-Free One-Pot C–I Bond Formation/C–S Cross-Coupling Reaction. Journal of Organic Chemistry, 2021, 86, 2570-2581.	3.2	45
1579	Dissecting the packing forces in mixed perfluorocarbon/aromatic co-crystals. CrystEngComm, 0, , .	2.6	2
1580	On the role of steric and exchange–correlation effects in halogenated complexes. New Journal of Chemistry, 2021, 45, 16254-16263.	2.8	1
1581	Manifold dynamic non-covalent interactions for steering molecular assembly and cyclization. Chemical Science, 2021, 12, 11659-11667.	7.4	9
1582	Tailoring Sensors and Solvents for Optimal Analysis of Complex Mixtures Via Discriminative ¹⁹ F NMR Chemosensing. Analytical Chemistry, 2021, 93, 2968-2973.	6.5	24
1583	Supramolecular rectangles through directional chalcogen bonding. Chemical Communications, 2021, 57, 4560-4563.	4.1	16
1584	A combined experimental and theoretical study of miconazole salts and cocrystals: crystal structures, DFT computations, formation thermodynamics and solubility improvement. Physical Chemistry Chemical Physics, 2021, 23, 12456-12470.	2.8	18

#	Article	IF	Citations
1585	CRYSTAL STRUCTURES OF CoCl2·6H2O REACTION PRODUCTS WITH 2-METHYLPYRIDINE AND 2,6-DIMETHYLPYRIDINE. Journal of Structural Chemistry, 2021, 62, 90-94.	1.0	0
1586	Stereodivergent synthesis of β-iodoenol carbamates with CO ₂ <i>via</i> photocatalysis. Chemical Science, 2021, 12, 11821-11830.	7.4	16
1587	Role of Halogen Substituents on Halogen Bonding in 4,5-DiBromohexahydro-3a,6-Epoxyisoindol-1(4H)-ones. Crystals, 2021, 11, 112.	2.2	10
1588	Towards developing a criterion to characterize non-covalent bonds: a quantum mechanical study. Physical Chemistry Chemical Physics, 2021, 23, 8478-8488.	2.8	29
1589	"Anti-electrostatic―halogen bonding in solution. Chemical Science, 2021, 12, 8246-8251.	7.4	20
1590	Halogen Bonds Stabilised by an Electronic Exchange Channel. ChemistrySelect, 2021, 6, 680-684.	1.5	3
1591	FMODB: The World's First Database of Quantum Mechanical Calculations for Biomacromolecules Based on the Fragment Molecular Orbital Method. Journal of Chemical Information and Modeling, 2021, 61, 777-794.	5.4	24
1592	Enantioselective Michael addition to vinyl phosphonates <i>via</i> hydrogen bond-enhanced halogen bond catalysis. Chemical Science, 2021, 12, 7561-7568.	7.4	19
1593	Chalcogen bonding mediates the formation of supramolecular helices of azapeptides in crystals. Organic and Biomolecular Chemistry, 2021, 19, 6397-6401.	2.8	9
1594	Enantio- and diastereoselective double Mannich reaction of malononitrile with <i>N</i> -Boc imines using quinine-derived bifunctional organoiodine catalyst. Organic and Biomolecular Chemistry, 2021, 19, 6969-6973.	2.8	4
1595	<i>In silico</i> characterization and prediction of thiourea-like neutral bidentate halogen bond catalysts. Organic and Biomolecular Chemistry, 2021, 19, 7051-7060.	2.8	1
1596	Halogen Bonding in Bicomponent Monolayers: Self-Assembly of a Homologous Series of Iodinated Perfluoroalkanes with Bipyridine. Langmuir, 2021, 37, 627-635.	3.5	3
1597	Glutamate carboxypeptidase II as a model system for designing host–guest units: a theoretical approach. Organic and Biomolecular Chemistry, 2021, 19, 7816-7821.	2.8	1
1598	Halogen bonding regulated functional nanomaterials. Nanoscale Advances, 2021, 3, 6342-6357.	4.6	23
1599	Extending conceptual DFT to include additional variables: oriented external electric field. Physical Chemistry Chemical Physics, 2021, 23, 990-1005.	2.8	28
1600	Stimuli-responsive luminescent supramolecular assemblies and co-assemblies through orthogonal dipole–dipole interactions and halogen bonding. Journal of Materials Chemistry C, 2021, 9, 11893-11904.	5.5	17
1601	A selective cocrystallization separation method based on non-covalent interactions and its application. CrystEngComm, 2021, 23, 1550-1554.	2.6	4
1602	The design of dihalogenated TPE monoboronate complexes as mechanofluorochromic crystals. CrystEngComm, 2021, 23, 5908-5917.	2.6	4

#	Article	IF	CITATIONS
1603	Spodium bonding in five coordinated Zn(<scp>ii</scp>): a new player in crystal engineering?. CrystEngComm, 2021, 23, 3084-3093.	2.6	33
1604	Investigating the role of halogen-bonded complexes in microsolvated Y ^{â^} (H ₂ O) _n + CH ₃ I S _N 2 reactions. Physical Chemistry Chemical Physics, 2021, 23, 6349-6360.	2.8	17
1605	Weak Interactions in the Structures of Newly Synthesized (–)-Cytisine Amino Acid Derivatives. Crystals, 2021, 11, 146.	2.2	2
1606	Competitive and cooperative n → ï€* and n → ïƒ* interactions in benzaldehyde–formaldehyde: rotational characterization. Physical Chemistry Chemical Physics, 2021, 23, 8778-8783.	2.8	9
1607	Attractive Organic Cocrystal Materials in Optics. Heterocycles, 2021, 102, 825.	0.7	2
1609	Polycentric binding in complexes of trimethylamine-N-oxide with dihalogens. RSC Advances, 2021, 11, 6131-6145.	3.6	1
1610	Guest-dependent single-crystal-to-single-crystal transformations in porous adamantane-bearing macrocycles. CrystEngComm, 2021, 23, 1539-1543.	2.6	8
1611	Confined space design by nanoparticle self-assembly. Chemical Science, 2021, 12, 1632-1646.	7.4	12
1612	Interplay of halogen and hydrogen bonding in a series of heteroleptic iron(iii) complexes. CrystEngComm, 2021, 23, 4069-4076.	2.6	6
1613	lodonium complexes of the tertiary amines quinuclidine and 1-ethylpiperidine. Dalton Transactions, 2021, 50, 8297-8301.	3.3	16
1614	Solution self-assembly of fluorinated polymers, an overview. Polymer Chemistry, 2021, 12, 3852-3877.	3.9	23
1615	Bimetallic uranyl/cobalt(<scp>ii</scp>) isothiocyanates: structure, property and spectroscopic analysis of homo- and heterometallic phases. Dalton Transactions, 2021, 50, 9158-9172.	3.3	3
1616	Halogen vs. ionic bonding: an unusual isomorphism between the neutral (C5Me5)2Fe/C2I2 cocrystal and ionic [(C5Me5)2Fe]Br3 crystal. Mendeleev Communications, 2021, 31, 58-61.	1.6	16
1617	A theoretical insight into the formation of chalcogen bonding (ChB) interactions involving coordinated DMSO molecules as Ï <i>f</i> -hole donors and benzoate groups as Ï <i>f</i> -hole acceptors in a dinuclear copper(<scp>ii</scp>) complex. CrystEngComm, 2021, 23, 5087-5096.	2.6	12
1618	Nucleophilic iodonium interactions (NIIs) in 2-coordinate iodine(<scp>i</scp>) and silver(<scp>i</scp>) complexes. Chemical Communications, 2021, 57, 5094-5097.	4.1	13
1619	Enantioseparation of 5,5′-Dibromo-2,2′-dichloro-3-selanyl-4,4′-bipyridines on Polysaccharide-Based Chiral Stationary Phases: Exploring Chalcogen Bonds in Liquid-Phase Chromatography. Molecules, 2021, 26, 221.	3.8	17
1620	Coordination-based vapochromic behavior of a luminescent Pt(<scp>ii</scp>) complex with potassium ions. RSC Advances, 2021, 11, 30046-30053.	3.6	5
1621	Halogen bond-induced electrophilic aromatic halogenations. Organic and Biomolecular Chemistry, 2021, 19, 7518-7534.	2.8	28

#	Article	IF	CITATIONS
1622	Computational study of 1,2,3-triazol-5-ylidenes with p-block element substituents. New Journal of Chemistry, 2021, 45, 4802-4809.	2.8	2
1623	Synthesis and Applications of Selected Fluorine-Containing Fluorophores. Molecules, 2021, 26, 1160.	3.8	16
1624	From Missing Links to New Records: A Series of Novel Polychlorine Anions. European Journal of Inorganic Chemistry, 2021, 2021, 1034-1040.	2.0	9
1625	Bifurcated Halogen Bonding Involving Two Rhodium(I) Centers as an Integrated σ-Hole Acceptor. Jacs Au, 2021, 1, 354-361.	7.9	39
1626	Anion Templated Supramolecular Structures Assembled using 1,2,3â€Triazole and Triazolium motifs. Chemistry - an Asian Journal, 2021, 16, 575-587.	3.3	9
1627	Database Investigation of Halogen Bonding and Halogen···Halogen Interactions between Porphyrins: Emergence of Robust Supramolecular Motifs and Frameworks. Crystal Growth and Design, 2021, 21, 1810-1832.	3.0	20
1628	Peptide–Protein Interactions: From Drug Design to Supramolecular Biomaterials. Molecules, 2021, 26, 1219.	3.8	11
1629	(15â€crownâ€5)Bil 3 as a Building Block for Halogen Bonded Supramolecular Aggregates. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 663-666.	1.2	1
1630	Halogen-Bonding-Driven Self-Assembly of Solvates of Tetrabromoterephthalic Acid. Crystals, 2021, 11, 198.	2.2	4
1631	The 2,2,4,4-tetrafluoro-1,3-dithietane⋯NH3 complex: A rotational study reveals a N⋯σ-hole interaction. Journal of Molecular Spectroscopy, 2021, 376, 111409.	1.2	2
1632	Synthesis, experimental and theoretical study of novel 2-haloalkyl (-CF2H, -CCl2H, -CF2CF3)-, 3-bromo and bromomethyl substituted chromones. Journal of Fluorine Chemistry, 2021, 242, 109717.	1.7	4
1633	Challenging the electrostatic <i>Ïf </i> â€hole picture of halogen bonding using minimal models and the interacting quantum atoms approach. Journal of Computational Chemistry, 2021, 42, 676-687.	3.3	22
1634	Smart Supramolecular Self-Assembled Nanosystem: Stimulus-Responsive Hydrogen-Bonded Liquid Crystals. Nanomaterials, 2021, 11, 448.	4.1	20
1635	Ternary Cocrystals with Large Soft Cavities: A 1,4â€diiodotetrafluorobenzene (DITFB)â‹4â€Biphenylpyridine N â€oxide (BPNO) Host Assembled by Inclusion of Planar Aromatic Guests. ChemPlusChem, 2021, 86, 252-258.	2.8	3
1636	Bisphenol-C is the strongest bifunctional ERα-agonist and ERβ-antagonist due to magnified halogen bonding. PLoS ONE, 2021, 16, e0246583.	2.5	7
1637	Sustainability and application of corncob-derived biochar for removal of fluoroquinolones. Biomass Conversion and Biorefinery, 2022, 12, 913-923.	4.6	20
1638	Novel indole-thiazole and indole-thiazolidinone derivatives as DNA groove binders. International Journal of Biological Macromolecules, 2021, 170, 622-635.	7.5	23
1639	Halogen Functionalization in the 2D Material Flatland: Strategies, Properties, and Applications. Small, 2021, 17, e2005640.	10.0	20

			_
#	ARTICLE	IF	CITATIONS
1640	Improved Synthesis of 1,2,3ä€4riazolium Salts via Oxidative [3+2] Cycloaddition of Triazenes with Alkynes and Their Deprotonative Functionalization. Asian Journal of Organic Chemistry, 2021, 10, 901-905.	2.7	7
1641	Halogen Bonding: An Underestimated Player in Membrane–Ligand Interactions. Journal of the American Chemical Society, 2021, 143, 4253-4267.	13.7	34
1642	Development and Evolution of Energetic Cocrystals. Accounts of Chemical Research, 2021, 54, 1699-1710.	15.6	82
1643	New evidence on non-covalent interactions in crystalline halo-substituted boron difluoride acetylacetonates from vibrational spectra, model calculations and visualization program tools. Journal of Molecular Structure, 2021, 1227, 129532.	3.6	2
1644	The Se … Hal halogen bonding: Co-crystals of selenoureas with fluorinated organohalides. Journal of Solid State Chemistry, 2021, 295, 121930.	2.9	4
1645	Synthesis and crystal structures of 7,8-bromo (dibromo)-3-tert-butylpyrazolo[5,1-c][1,2,4]triazines. Structural Chemistry, 2021, 32, 1553-1562.	2.0	4
1646	Nature of the Hydrogen Bond Enhanced Halogen Bond. Molecules, 2021, 26, 1885.	3.8	5
1647	Bandgap Tuning in Molecular Alloy Crystals Formed by Weak Chalcogen Interactions. Journal of Physical Chemistry Letters, 2021, 12, 3059-3065.	4.6	12
1648	Visibleâ€Lightâ€Promoted Reversible Sulfide/Iodide Exchange in Fluoroalkyl Sulfides Enabled by Electron Donorâ€Acceptor Complex Formation. ChemPhotoChem, 2021, 5, 565-570.	3.0	8
1649	Noncovalent Bonds through Sigma and Pi-Hole Located on the Same Molecule. Guiding Principles and Comparisons. Molecules, 2021, 26, 1740.	3.8	32
1650	Catalysis by Bidentate Iodine(III)-Based Halogen Donors: Surpassing the Activity of Strong Lewis Acids. Journal of Organic Chemistry, 2021, 86, 5317-5326.	3.2	41
1651	Halogenâ€Bond Mediated 3D Confined Assembly of AB Diblock Copolymer and C Homopolymer Blends. Small, 2021, 17, e2007570.	10.0	9
1652	IR and NMR properties of N-base:PH2F:BeX2 ternary and corresponding binary complexes stabilised by pnicogen and beryllium bonds. Molecular Physics, 2021, 119, e1905191.	1.7	8
1653	Assessing the Orbital Contribution in the "Spodium Bond―by Natural Orbital for Chemical Valence–Charge Displacement Analysis. Inorganic Chemistry, 2021, 60, 4683-4692.	4.0	13
1654	Quantitative assessment of the structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ge</mml:mi><mml:n mathvariant="normal">I<mml:mn>7</mml:mn></mml:n </mml:msub></mml:mrow> chalcohalide glass by first-principles molecular dynamics. Physical Review B, 2021, 103, .</mml:math 	იიკ20კ.2	ml:mn>
1655	Do Sulfonamides Interact with Aromatic Rings?. Chemistry - A European Journal, 2021, 27, 5721-5729.	3.3	7
1656	Local potential energy density model (LPE): Applications and limitations to quantify intra/intermolecular interactions. Computational and Theoretical Chemistry, 2021, 1197, 113143.	2.5	2
1657	The competition and cooperativity of hydrogen/halogen bond and Ï€â€hole bond involving the heteronuclear ethylene analogues. Journal of Computational Chemistry, 2021, 42, 908-916.	3.3	2

#	Article	IF	Citations
1658	Cooperative Effects between Hydrogen Bonds and Câ•O···S Interactions in the Crystal Structures of Sulfoxides. Crystal Growth and Design, 2021, 21, 2481-2487.	3.0	7
1659	Tuning of Ionic Liquid Crystal Properties by Combining Halogen Bonding and Fluorous Effect. ChemPlusChem, 2021, 86, 469-474.	2.8	8
1660	2D constraint modifies packing behaviour: a halobenzene monolayer with X3 halogen-bonding motif. Molecular Physics, 2021, 119, e1900940.	1.7	2
1661	1,4-Dibromo-2,5-bis(phenylalkoxy)benzene Derivatives: C–Brπ(arene) Versus C–HBr and BrBr Interactions in the Solid State. Crystals, 2021, 11, 325.	2.2	2
1662	Crystals at a Carrefour on the Way through the Phase Space: A Middle Path. Molecules, 2021, 26, 1583.	3.8	5
1663	KI catalyzed Câ \in H functionalization of acetone for the synthesis of 2-oxopropyl hetero-aromatic carboxylates. Synthetic Communications, 0, , 1-11.	2.1	1
1664	From Energetics to Intracluster Chemistry: Valence Photoionization of Trifluoromethylsulfur Pentafluoride (CF3SF5) by Double Velocity Map Imaging. Journal of Physical Chemistry A, 2021, 125, 2601-2611.	2.5	3
1665	Attractive fluorine···fluorine interactions between perfluorinated alkyl chains: a case of perfluorinated Cu(II) diiminate Cu[C ₂ F ₅ –C(NH)–CF=C(NH)–CF ₃] ₂ . Zeitschrift Fur Kristallographie - Crystalline Materials. 2021. 236. 117-122.	0.8	11
1666	Utility of Three-Coordinate Silver Complexes Toward the Formation of Iodonium Ions. Inorganic Chemistry, 2021, 60, 5383-5390.	4.0	24
1667	Different patterns of supramolecular aggregation in three amides containing <i>N</i> -(benzo[<i>d</i>]thiazolyl) substituents. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 504-511.	0.5	0
1668	Atom-Efficient Halogen–Halogen Interactions Assist One-, Two-, and Three-Dimensional Molecular Zippers. Journal of Physical Chemistry C, 2021, 125, 10716-10722.	3.1	6
1669	Impact of Noncovalent Interactions on the Structural Chemistry of Thorium(IV)-Aquo-Chloro Complexes. Inorganic Chemistry, 2021, 60, 6375-6390.	4.0	4
1670	Synthesis and thermotropic liquid-crystalline properties of a hexyloxy-substituted pyridyl-ethynylene-azobenzene and its halogen-bonded complex with tetrafluoroiodophenyl decanoate. Journal of Fluorine Chemistry, 2021, 244, 109739.	1.7	2
1671	2,3,4,5-Tetraiodopyrrole as a building block for halogen bonding: Formation of supramolecular hybrids with organic iodide salts in solid state. Journal of Molecular Structure, 2021, 1230, 129931.	3.6	4
1672	A "nucleophilic―iodine in a halogen-bonded iodonium complex manifests an unprecedented I+··ÂAg+ interaction. CheM, 2021, 7, 948-958.	11.7	32
1673	Synthetic Approaches to Halogen Bonded Ternary Cocrystals. Angewandte Chemie - International Edition, 2021, 60, 12841-12846.	13.8	26
1674	Strength of the [Z–l···Hal]â^' and [Z–Hal···l]â^' Halogen Bonds: Electron Density Properties and Haloge Bond Length as Estimators of Interaction Energy. Molecules, 2021, 26, 2083.	2n 3.8	11
1675	Cocrystal versus salt, a matter of hydrogen bonds in two benzoic acid crystals. Journal of Molecular Structure, 2021, 1229, 129801.	3.6	10

#	Article	IF	CITATIONS
1676	Atomic-Scale Local Work Function Characterizations of Br Islands on Cu(111). Journal of Physical Chemistry C, 2021, 125, 7944-7949.	3.1	6
1677	Azine Steric Hindrances Switch Halogen Bonding to <i>N</i> â€Arylation upon Interplay with Ïfâ€Hole Donating Haloarenenitriles. Chemistry - an Asian Journal, 2021, 16, 1445-1455.	3.3	9
1678	Short X···N Halogen Bonds With Hexamethylenetetraamine as the Acceptor. Frontiers in Chemistry, 2021, 9, 623595.	3.6	7
1679	1,12-Diiodo-Ortho-Carborane: A Classic Textbook Example of the Dihalogen Bond. Crystals, 2021, 11, 396.	2.2	12
1680	Exploring influence of fluorine substitution on the strength and nature of halogen bond between iodobenzene and hydrogen cyanide. Journal of Physical Organic Chemistry, 2021, 34, e4213.	1.9	3
1681	Direct Iodination of Electron-Deficient Benzothiazoles: Rapid Access to Two-Photon Absorbing Fluorophores with Quadrupolar D-ï€-A-ï€-D Architecture and Tunable Heteroaromatic Core. Organic Letters, 2021, 23, 3460-3465.	4.6	19
1682	Quaternary Cocrystals Based on Halide-Binding Foldamers through Both Hydrogen and Halogen Bonding. Crystal Growth and Design, 2021, 21, 2837-2843.	3.0	11
1683	Characterising Supramolecular Architectures in Crystals Featuring lâ<⁻Br Halogen Bonding: Persistence of Xâ<¯X' Secondary-Bonding in Their Congeners. Crystals, 2021, 11, 433.	2.2	7
1684	Asymmetric Pnictogen-Bonding Catalysis: Transfer Hydrogenation by a Chiral Antimony(V) Cation/Anion Pair. Journal of the American Chemical Society, 2021, 143, 6382-6387.	13.7	46
1685	An ab initio study of some halogen-bonded complexes containing cyclic ethers. Molecular Physics, 0, , e1919326.	1.7	1
1686	From LAr to L-ArBeO (LÂ=ÂHe, Ne, Ar, HF): Switching on σ-hole effects in non-covalent interactions. Chemical Physics Letters, 2021, 768, 138402.	2.6	8
1687	Photo-on-Demand Synthesis of Vilsmeier Reagents with Chloroform and Their Applications to One-Pot Organic Syntheses. Journal of Organic Chemistry, 2021, 86, 6504-6517.	3.2	18
1688	Spectroscopic Investigation of Chalcogen Bonding: Halide–Carbon Disulfide Complexes. ChemPhysChem, 2021, 22, 808-812.	2.1	9
1689	Role of Charge Transfer in Halogen Bonding. Journal of Physical Chemistry A, 2021, 125, 2944-2953.	2.5	30
1690	Synthetic Approaches to Halogen Bonded Ternary Cocrystals. Angewandte Chemie, 2021, 133, 12951-12956.	2.0	10
1691	Halogen Bonding Involving I2 and d8 Transition-Metal Pincer Complexes. Crystals, 2021, 11, 373.	2.2	14
1692	Reversible Stimuli-Dependent Aggregation-Induced Emission from a "Nonfluorescent―Amphiphilic PVDF Graft Copolymer. Langmuir, 2021, 37, 4953-4963.	3.5	14
1693	Intrinsic Dynamic and Static Nature of Halogen Bonding in Neutral Polybromine Clusters, with the Structural Feature Elucidated by QTAIM Dual-Functional Analysis and MO Calculations. Molecules, 2021, 26, 2936.	3.8	1

#	Article	IF	CITATIONS
1694	Strong bonding motif in model molecular clusters containing tetrel atoms. Chemical Physics Letters, 2021, 771, 138471.	2.6	1
1695	Nature of halogen bond adducts of carbones with XCF3 (XÂ=ÂCl, Br, I) species. Polyhedron, 2021, 200, 115107.	2.2	3
1696	The crystal structure of 4,5-diiodo-1,3-dimesityl-1 <i>H</i> -1,2,3-triazol-3-ium hexafluoridoantimonate(V), C ₂₀ H ₂₂ F ₆ I ₂ N ₃ Sb. Zeitschrift Fur Kristallographie - New Crystal Structures, 2021, as of <i>closo</i> -Decaborate Anion	0.3	1
1697	[2-B ₁₀ Cl ₉ SR ₂] ^{â~} (R =) Tj ETQq1 1 0.784314 rgBT /Overloch	2 10 Tf 50 4.0	632 Td (<i>i 11</i>
1698	Halogen Bonding between Thiocarbonyl Compounds and 1,2- and 1,4-Diiodotetrafluorobenzenes. Crystal Growth and Design, 2021, 21, 3409-3419.	3.0	15
1699	Halogenâ€Bondingâ€Donor Catalyzed Cyanosilylation of Aldehydes. Asian Journal of Organic Chemistry, 2021, 10, 1742-1747.	2.7	1
1700	Regio and stereochemical probes of iodine interactions in diiodocyclododecanes. International Journal of Quantum Chemistry, 2021, 121, e26739.	2.0	0
1701	Recent Developments in Polymeric Assemblies and Functional Materials by Halogen Bonding. ChemNanoMat, 2021, 7, 748-772.	2.8	17
1702	Iodine atalyzed Dielsâ€Alder Reactions. ChemCatChem, 2021, 13, 2922-2930.	3.7	12
1703	Crystal Structures of a New Polymorph of N-tert-butyl-2-thioimidazole, and Its 1,4-Diiodotetrafluorobenzene, Tetraiodoethylene, and Iodine Cocrystals. Journal of Chemical Crystallography, 2022, 52, 62-72.	1.1	4
1704	Halogen Bonding: An Odd Chemistry?. Chemical Record, 2021, 21, 1252-1257.	5.8	21
1705	Partition, Reaction, and Diffusion Coefficients of Bromine in Elastomeric Polydimethylsiloxane. Journal of Physical Chemistry B, 2021, 125, 5937-5951.	2.6	4
1706	Fluorene Derivatives Bearing Two to Seven Phthalimidomethyl Groups: Syntheses, Crystal Structures and Conversion to Amines. European Journal of Organic Chemistry, 2021, 2021, 2901-2914.	2.4	4
1707	Halogen bond interaction: Role of hybridization and induction. Chemical Physics Letters, 2021, 771, 138522.	2.6	6
1708	Cooperative Selfâ€Assembly in Linear Chains Based on Halogen Bonds. ChemPlusChem, 2021, 86, 812-819.	2.8	10
1709	How can fluorine directly and indirectly affect the hydrogen bonding in molecular systems? – A case study for monofluoroanilines. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119536.	3.9	5
1711	A Combined Experimental and Computational Study of Halogen and Hydrogen Bonding in Molecular Salts of 5-Bromocytosine. Molecules, 2021, 26, 3111.	3.8	1
1712	Comparative Structural Study of Three Tetrahalophthalic Anhydrides: Recognition of X···O(anhydride) Halogen Bond and ĭ€h···O(anhydride) Interaction. Molecules, 2021, 26, 3119.	3.8	1

ARTICLE IF CITATIONS Controlling Topology within Halogen-Bonded Networks by Varying the Regiochemistry of the 1713 3.8 4 Cyclobutane-Based Nodes. Molecules, 2021, 26, 3152. A Hypervalent Cyclic Dibenzoiodolium Salt as a Halogenâ€Bondâ€Donor Catalyst for the [4+2] 1714 2.8 23 Cycloaddition of 2â€Alkenylindoles. ChemPlusChem, 2021, 86, 741-744. Remote Substituents as Potential Control Elements for the Solid-State Structures of Hypervalent 1715 4.0 5 Iodine(III) Compounds. Inorganic Chemistry, 2021, 60, 7865-7875. The Amine Group as Halogen Bond Acceptor in Cocrystals of Aromatic Diamines and Perfluorinated 1716 Iodobenzenes. Crystals, 2021, 11, 529. Interfacial toughening with self-assembled monolayers enhances perovskite solar cell reliability. 1717 12.6 313 Science, 2021, 372, 618-622. Multiple-Noncovalent-Interaction-Stabilized Layered Dion–Jacobson Perovskite for Efficient Solar 1718 9.1 Cells. Nano Letters, 2021, 21, 5788-5797. 1719 Large Telluroxane Bowls Connected by a Layer of Iodine Ions. Angewandte Chemie, 2021, 133, 15645-15651. 2.0 1 Halogen-bond-driven supramolecular assemblies of quaternary-ammonium-iodide-containing polymers 1720 5.6 in three phases. Cell Reports Physical Science, 2021, 2, 100469. Chalcogen vs Halogen Bonding Catalysis in a Water-Bridge-Cocatalyzed Nitro-Michael Reaction. Journal of Organic Chemistry, 2022, 87, 1661-1668. 1721 3.2 20 Evaluation of Electron Density Shifts in Noncovalent Interactions. Journal of Physical Chemistry A, 2.5 2021, 125, 4741-4749. Mononuclear Zn(II) 3,5-Diiodosalicylate Complex with 3-Chloropyridine: Synthesis and Features of 1723 2 1.3 Non-Covalent Interactions in the Solid State. Russian Journal of Inorganic Chemistry, 2021, 66, 814-819. Eutectic phase behavior induced by a simple additive contributes to efficient organic solar cells. Nano 1724 16.0 Energy, 2021, 84, 105862. Highly Active Halogen Bonding and Chalcogen Bonding Chloride Transporters with 1725 3.3 54 Nonâ€Protonophoric Activity. Chemistry - Ă European Journal, 2021, 27, 11738-11745. Controlling $\tilde{i}\in \hat{a}\in \tilde{i}\in I$ Interactions through Coordination Bond Formation: Assembly of 1-D Chains of acac-Based Coordination Compounds. Crystal Growth and Design, 2021, 21, 3756-3769. Stereospecific and stereoconvergent nucleophilic substitution reactions at tertiary carbon centers. 1727 42 11.7 CheM, 2021, 7, 1451-1486. Anions effect construction of 1D naphthalene diimide supramolecular chains by $\tilde{I} \in$ interactions and fluorescence detect iodide anion. Spectrochimica Acta - Part A: Molecular and Éiomolecular 3.9 Spectroscopy, 2021, 254, 119588. Large Telluroxane Bowls Connected by a Layer of Iodine Ions. Angewandte Chemie - International 1729 13.8 2 Edition, 2021, 60, 15517-15523. On the nature of inter- and intramolecular interactions involving benzo[h]quinoline and 10-hydroxybenzo[h]quinoline: Electronic ground state vs excited state study. Journal of Molecular Structure, 2021, 1234, 130126.

#	Article	IF	CITATIONS
1731	Tautomeric Equilibrium of an Asymmetric β-Diketone in Halogen-Bonded Cocrystals with Perfluorinated Iodobenzenes. Crystals, 2021, 11, 699.	2.2	7
1732	Hydrogen-Bonded and Halogen-Bonded: Orthogonal Interactions for the Chloride Anion of a Pyrazolium Salt. Molecules, 2021, 26, 3982.	3.8	8
1733	Multiple-Defect Management for Efficient Perovskite Photovoltaics. ACS Energy Letters, 2021, 6, 2404-2412.	17.4	74
1734	Free Charge Carriers in Homo-Sorted π-Stacks of Donor–Acceptor Conjugates. Chemical Reviews, 2021, 121, 8234-8284.	47.7	64
1735	Ruthenium-Catalyzed Asymmetric Dehydrative Allylic Cyclization of Five-Membered Chalcogen Heteroaromatics. Synthesis, 2021, 53, 3121-3125.	2.3	5
1736	Heteroleptic Cu(I) halide complexes with perchlorinated 1,10-phenanthroline. Journal of Molecular Structure, 2021, 1234, 130199.	3.6	10
1737	Impacts of diphenylamine NSAID halogenation on bioactivation risks. Toxicology, 2021, 458, 152832.	4.2	5
1738	Optimized Halogen Atomic Radii for PBSA Calculations Using Off-Center Point Charges. Journal of Chemical Information and Modeling, 2021, 61, 3361-3375.	5.4	4
1739	lodine(III)â€Based Halogen Bond Donors: Properties and Applications. Chemical Record, 2021, 21, 1912-1927.	5.8	46
1740	Rhodocenium Functionalization Enabled by Halfâ€Sandwich Capping, Zincke Reaction, Diazoniation and Sandmeyer Chemistry. European Journal of Inorganic Chemistry, 2021, 2021, 3305-3313.	2.0	1
1741	Impact of Drug–Polymer Intermolecular Interactions on Dissolution Performance of Copovidone-Based Amorphous Solid Dispersions. Molecular Pharmaceutics, 2021, 18, 3496-3508.	4.6	21
1742	Mechanosynthesis of Higherâ€Order Cocrystals: Tuning Order, Functionality and Size in Cocrystal Design**. Angewandte Chemie, 2021, 133, 17622-17631.	2.0	2
1743	Chalcogen Bonds in Selenocysteine Seleninic Acid, a Functional GPx Constituent, and in Other Seleninic or Sulfinic Acid Derivatives. Chemistry - an Asian Journal, 2021, 16, 2351-2360.	3.3	12
1744	Inhibition of Thiolâ€Mediated Uptake with Irreversible Covalent Inhibitors. Helvetica Chimica Acta, 2021, 104, e2100085.	1.6	17
1745	Tetrabromoethane as Ïf-Hole Donor toward Bromide Ligands: Halogen Bonding between C2H2Br4 and Bromide Dialkylcyanamide Platinum(II) Complexes. Crystals, 2021, 11, 835.	2.2	3
1746	The Balance between Hydrogen Bonds, Halogen Bonds, and Chalcogen Bonds in the Crystal Structures of a Series of 1,3,4-Chalcogenadiazoles. Molecules, 2021, 26, 4125.	3.8	10
1747	Visible-light induced photochemistry of Electron Donor-Acceptor Complexes in Perfluoroalkylation Reactions: Investigation of halogen bonding interactions through UV–Visible absorption and Raman spectroscopies combined with DFT calculations. Journal of Molecular Liquids, 2021, 333, 115993.	4.9	5
1748	Crystal growth and physical properties of an antiferromagnetic molecule: <i>trans</i> -dibromidotetrakis(acetonitrile)chromium(III) tribromide, [CrBr ₂ (NCCH ₃) ₄](Br ₃). Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 624-631	1.1	0

#	Article	IF	CITATIONS
1749	Theoretical study on the noncovalent interactions involving triplet diphenylcarbene. Journal of Molecular Modeling, 2021, 27, 224.	1.8	0
1750	Search for the origin of synergistic solvation in methanol/chloroform mixture using optical Kerr effect spectroscopy. Journal of Molecular Liquids, 2022, 345, 117013.	4.9	8
1751	On the Potentiality of X-T-X ₃ Compounds (T = C, Si, and Ge, and X = F, Cl, and Br) as Tetrel- and Halogen-Bond Donors. ACS Omega, 2021, 6, 19330-19341.	3.5	11
1752	Plausible Pnicogen Bonding of epi-Cinchonidine as a Chiral Scaffold in Catalysis. Frontiers in Chemistry, 2021, 9, 669515.	3.6	7
1753	Optimizing the <scp>selfâ€assembly</scp> of conjugated polymers and small molecules through structurally programmed <scp>nonâ€covalent</scp> control. Journal of Polymer Science, 2021, 59, 1643-1663.	3.8	16
1754	Astatine Facing Janus: Halogen Bonding vs. Charge-Shift Bonding. Molecules, 2021, 26, 4568.	3.8	3
1755	Properties and interactions – melting point of tribromobenzene isomers. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 632-637.	1.1	3
1756	Evolution of Cocrystals from Solid Solutions in Benzoic Acid–Mono/poly-fluorobenzoic Acid Combinations. Crystal Growth and Design, 2021, 21, 4607-4618.	3.0	10
1757	Chalcogen Bonding in Co-Crystals: Activation through 1,4-Perfluorophenylene vs. 4,4′-Perfluorobiphenylene Cores. Molecules, 2021, 26, 4050.	3.8	8
1758	Halogen Bonding Tetraphenylethene Anion Receptors: Anionâ€Induced Emissive Aggregates and Photoswitchable Recognition. Angewandte Chemie - International Edition, 2021, 60, 19442-19450.	13.8	49
1759	AncPhore: A versatile tool for anchor pharmacophore steered drug discovery with applications in discovery of new inhibitors targeting metallo-β-lactamases and indoleamine/tryptophan 2,3-dioxygenases. Acta Pharmaceutica Sinica B, 2021, 11, 1931-1946.	12.0	24
1760	Concerning the Role of Ï <i>f</i> -Hole in Non-Covalent Interactions: Insights from the Study of the Complexes of ArBeO with Simple Ligands. Molecules, 2021, 26, 4477.	3.8	2
1761	An up-to-date review on halogen-bonded liquid crystals. Journal of Molecular Liquids, 2021, 333, 115961.	4.9	28
1762	Zwitterionic Ionic Liquid Confer Defect Tolerance, High Conductivity, and Hydrophobicity toward Efficient Perovskite Solar Cells Exceeding 22% Efficiency. Solar Rrl, 2021, 5, 2100352.	5.8	35
1763	The Isocyanide Complexes cis-[MCl2(CNC6H4-4-X)2] (M = Pd, Pt; X = Cl, Br) as Tectons in Crystal Engineering Involving Halogen Bonds. Crystals, 2021, 11, 799.	2.2	10
1764	Bromoantimonates with bis(pyridinium)-type dications obtained via oxidation by dibromine: Diverse structural types and features of interactions pattern. Polyhedron, 2021, 202, 115217.	2.2	4
1765	O â€Isopropylferrocenesulfonate: Synthesis of Polysubstituted Derivatives and Electrochemical Study. European Journal of Inorganic Chemistry, 2021, 2021, 3165-3176.	2.0	8
1766	The Chloroazaphosphatrane Motif for Halogen Bonding in Solution. Inorganic Chemistry, 2021, 60, 11964-11973.	4.0	3

#	Article	IF	CITATIONS
1767	Assessment of Computational Methods for Calculating Accurate Non-covalent Interaction Energies in 1,2,3,5-Dithiadiazolyl Radicals. Crystal Growth and Design, 2021, 21, 4878-4891.	3.0	5
1768	Mechanosynthesis of Higherâ€Order Cocrystals: Tuning Order, Functionality and Size in Cocrystal Design**. Angewandte Chemie - International Edition, 2021, 60, 17481-17490.	13.8	22
1769	Influence of fluorine substitution on nonbonding interactions in selected para‑halogeno anilines. ChemPhysChem, 2021, 22, 2115-2127.	2.1	3
1770	Halogen Bonding Tetraphenylethene Anion Receptors: Anionâ€Induced Emissive Aggregates and Photoswitchable Recognition. Angewandte Chemie, 2021, 133, 19591-19599.	2.0	9
1771	Anionic dependency of electronic and nonlinear optical properties of ionic liquids. Journal of Molecular Liquids, 2022, 345, 117030.	4.9	10
1772	Polymorphism, Halogen Bonding, and Chalcogen Bonding in the Diiodine Adducts of 1,3- and 1,4-Dithiane. Molecules, 2021, 26, 4985.	3.8	2
1773	Strong Electron Acceptor of a Fluorine-Containing Group Leads to High Performance of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 41149-41158.	8.0	24
1774	Photoinduced Atom Transfer Radical Addition Reaction of Olefins with α-Bromo Carbonyls. Chemical and Pharmaceutical Bulletin, 2021, 69, 796-801.	1.3	13
1775	Relating Bond Strength and Nature to the Thermodynamic Stability of Hypervalent Togniâ€Type Iodine Compounds. ChemPlusChem, 2021, 86, 1199-1210.	2.8	5
1776	Halogenâ€Bonded Holeâ€Transport Material Suppresses Charge Recombination and Enhances Stability of Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2101553.	19.5	44
1777	Studies of Nature of Uncommon Bifurcated I–I···(<u>I</u> – <u>M</u>) Metal-Involving Noncovalent Interaction in Palladium(II) and Platinum(II) Isocyanide Cocrystals. Inorganic Chemistry, 2021, 60, 13200-13211.	4.0	16
1778	Charge Assisted S/Se Chalcogen Bonds in SAM Riboswitches: A Combined PDB and ab Initio Study. ACS Chemical Biology, 2021, 16, 1701-1708.	3.4	13
1779	A–Xâ<¯Ïƒ Interactions—Halogen Bonds with σ-Electrons as the Lewis Base Centre. Molecules, 2021, 26, 5175.	3.8	3
1780	Diaryliodonium Tetrachloroplatinates(II): Recognition of a Trifurcated Metal-Involving μ< ₃ -I···(Cl,Cl,Pt) Halogen Bond. Crystal Growth and Design, 2021, 21, 5360-5372.	3.0	23
1781	Gold(I) and Gold(III) Nâ€Heterocyclic Carbene Complexes as Antibacterial Agents and Inhibitors of Bacterial Thioredoxin Reductase. ChemMedChem, 2021, 16, 3402-3409.	3.2	31
1782	The Effects of Electronegativity of X and Hybridization of C on the Xâ^'Câ‹â‹â‹O Interactions: A Statistical Analysis on Tetrel Bonding. ChemPlusChem, 2021, 86, 1123-1127.	2.8	7
1783	Characterization and Structural Insights of the Reaction Products by Direct Leaching of the Noble Metals Au, Pd and Cu with N,N′-Dimethyl-piperazine-2,3-dithione/l2 Mixtures. Molecules, 2021, 26, 4721.	3.8	6
1784	Optimization of 1,4-bis(arylsulfonamido)naphthalene-N,N'-diacetic acids as inhibitors of Keap1-Nrf2 protein-protein interaction to suppress neuroinflammation. Bioorganic and Medicinal Chemistry, 2021, 44, 116300.	3.0	10

#	Article	IF	CITATIONS
1785	A simple and facile iodination method of didechlorotiacumicin B and aromatic compounds. Science China Chemistry, 2021, 64, 1736.	8.2	2
1786	Advances in the Chemistry of Astatine and Implications for the Development of Radiopharmaceuticals. Accounts of Chemical Research, 2021, 54, 3264-3275.	15.6	30
1787	Spodium Bonds in Biological Systems: Expanding the Role of Zn in Protein Structure and Function. Journal of Chemical Information and Modeling, 2021, 61, 3945-3954.	5.4	21
1788	Group 14 Central Atoms and Halogen Bonding in Different Dielectric Environments: How Germanium Outperforms Silicon. ChemPlusChem, 2021, 86, 1387-1396.	2.8	1
1789	Endocrine-disrupting pollutants properties affecting their bioactivity, remediation, and detection. Current Opinion in Green and Sustainable Chemistry, 2021, 30, 100485.	5.9	8
1790	Modulation of ï€-stacking modes and photophysical properties of an organic semiconductor through isosteric cocrystallization. Journal of Chemical Physics, 2021, 155, 071102.	3.0	5
1791	Probing Interfacial Halogen-Bonding Effects with Halogenated Organic Dyes and a Lewis Base-Decorated Transition Metal-Based Redox Shuttle at a Metal Oxide Interface in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2021, 125, 17647-17659.	3.1	13
1792	Carbonyl Hypoiodites as Extremely Strong Halogen Bond Donors. Angewandte Chemie - International Edition, 2021, 60, 20739-20743.	13.8	29
1793	Structurally Optimized Potent Dual-Targeting NBTI Antibacterials with an Enhanced Bifurcated Halogen-Bonding Propensity. ACS Medicinal Chemistry Letters, 2021, 12, 1478-1485.	2.8	9
1794	Molecular Confinement Effects by Self-Assembled Coordination Cages. Bulletin of the Chemical Society of Japan, 2021, 94, 2351-2369.	3.2	63
1795	Barbituric and thiobarbituric acid-based UiO-66-NH2 adsorbents for iodine gas capture: Characterization, efficiency and mechanisms. Journal of Hazardous Materials, 2021, 416, 125835.	12.4	51
1796	Utilization of coordinating green solvents for high quality methylammonium bismuth iodide thin films for photovoltaic applications. Organic Electronics, 2021, 95, 106191.	2.6	3
1797	2-METHYLPYRIDINIUM SALT OF PENTAIODOBENZOIC ACID: ROLE OF THE HALOGEN BOND IN THE FORMATION OF A CRYSTAL PACKING. Journal of Structural Chemistry, 2021, 62, 1237-1242.	1.0	0
1798	New Complexes of Actinides with Monobromoacetate lons: Synthesis and Structures. ACS Omega, 2021, 6, 21485-21490.	3.5	2
1799	"Antiâ€electrostatic―Halogen Bonding between Ions of Like Charge. Chemistry - A European Journal, 2021, 27, 16530-16542.	3.3	24
1800	Halogen Bonding Mediated Hierarchical Supramolecular Chirality. ACS Nano, 2021, 15, 15306-15315.	14.6	23
1801	Nâ€Heterocyclic Iod(az)olium Salts – Potent Halogenâ€Bond Donors in Organocatalysis. Chemistry - A European Journal, 2021, 27, 13128-13134.	3.3	26
1802		2.2	5

#	Article	IF	CITATIONS
1803	CRYSTAL STRUCTURES OF BINUCLEAR CHLOROBISMUTHATE COMPLEXES WITH 3-METHYLPYRIDINIUM AND 4-IODOPYRIDINIUM CATIONS. Journal of Structural Chemistry, 2021, 62, 1257-1262.	1.0	1
1804	Classification of So-Called Non-Covalent Interactions Based on VSEPR Model. Molecules, 2021, 26, 4939.	3.8	16
1805	Carbonyl Hypoiodites as Extremely Strong Halogen Bond Donors. Angewandte Chemie, 2021, 133, 20907-20911.	2.0	2
1806	Hydrogen and Halogen Bonding in Homogeneous External Electric Fields: Modulating the Bond Strengths. Chemistry - A European Journal, 2021, 27, 14042-14050.	3.3	7
1807	The Influence of Secondary Interactions on the [Nâ^'lâ^'N] ⁺ Halogen Bond. Chemistry - A European Journal, 2021, 27, 13748-13756.	3.3	14
1808	Functional Porphyrinic Metal–Organic Framework as a New Class of Heterogeneous Halogenâ€Bondâ€Donor Catalyst. Angewandte Chemie - International Edition, 2021, 60, 24312-24317.	13.8	20
1809	Cocrystallization as a tool to stabilize liquid active ingredients. Crystallography Reviews, 2021, 27, 102-123.	1.5	11
1810	Copper(II)-Mediated Iodination of 1-Nitroso-2-naphthol. Molecules, 2021, 26, 5708.	3.8	1
1811	Halogen Bonded Chiral Emitters: Generation of Chiral Fractal Architecture with Amplified Circularly Polarized Luminescence. Angewandte Chemie - International Edition, 2021, 60, 22711-22716.	13.8	37
1812	The reaction of thiourea and 1,3-dimethylthiourea towards organoiodines: oxidative bond formation and halogen bonding. Acta Crystallographica Section C, Structural Chemistry, 2021, 77, 599-609.	0.5	6
1813	Synthesizing highly fluorinated oligophenyls via Negishi coupling of fluoroarylzinc pivalates. Synthesis, 0, , .	2.3	1
1814	Synthesis of 3-aryl-4-(N-aryl)aminocoumarins via photoredox arylation and the evaluation of their biological activity. Bioorganic Chemistry, 2021, 114, 105141.	4.1	8
1815	Halogen-halogen bonds enable improved long-term operational stability of mixed-halide perovskite photovoltaics. CheM, 2021, 7, 3131-3143.	11.7	55
1816	Bisphenol A derivatives act as novel coactivator-binding inhibitors for estrogen receptor β. Journal of Biological Chemistry, 2021, 297, 101173.	3.4	15
1817	Examining a Transition from Supramolecular Halogen Bonding to Covalent Bonds: Topological Analysis of Electron Densities and Energies in the Complexes of Bromosubstituted Electrophiles. ACS Omega, 2021, 6, 23588-23597.	3.5	14
1818	Cu(II) 2-iodobenzoates: precursor-dependent formation of paddlewheel-like [Cu2(OOCR)4L2] or [Cu2L4(OOCR)2Cl2] binuclear complexes. Inorganica Chimica Acta, 2021, 524, 120436.	2.4	11
1819	Halogen Bonding Propensity in Solution: Direct Observation and Computational Prediction. Chemistry - A European Journal, 2021, 27, 15472-15478.	3.3	8
1820	Supramolecular aggregation patterns featuring Se⋯N secondary-bonding interactions in mono-nuclear selenium compounds: A comparison with their congeners. Coordination Chemistry Reviews, 2021, 443, 214031.	18.8	18

#	Article	IF	CITATIONS
1821	Functional Porphyrinic Metalâ€Organic Framework as a New Class of Heterogeneous Halogen Bond Donor Catalyst. Angewandte Chemie, 2021, 133, 24514.	2.0	2
1822	Luminescent halogen clusters. Cell Reports Physical Science, 2022, 3, 100593.	5.6	11
1823	Halogen Bonded Chiral Emitters: Generation of Chiral Fractal Architecture with Amplified Circularly Polarized Luminescence. Angewandte Chemie, 2021, 133, 22893.	2.0	11
1824	Structural insights into coordination polymers based on 6s2 Pb(II) and Bi(III) centres connected via heteroaromatic carboxylate linkers and their potential applications. Coordination Chemistry Reviews, 2021, 443, 213935.	18.8	24
1825	Interplay of Hydrogen and Halogen Bonding in the Crystal Structures of 2,6â€Dihalogenated Phenols. ChemistrySelect, 2021, 6, 8736-8740.	1.5	4
1826	Structural, surface, and computational analysis of two vitamin-B1 crystals with sulfonimide-based anions. Zeitschrift Fur Kristallographie - Crystalline Materials, 2021, .	0.8	0
1827	Virtual and experimental high throughput screening of substituted hydrazones on β-Tubulin polymerization. Bioorganic Chemistry, 2021, 114, 105094.	4.1	2
1828	Adsorption of polyhaloalkane vapors by adaptive macrocycle crystals of WreathArene through C-halogenâ<ï€ interactions. Chinese Chemical Letters, 2022, 33, 1970-1974.	9.0	14
1829	Anionâ‹â‹â‹Anion Interactions Involving Ïfâ€Holes of Perrhenate, Pertechnetate and Permanganate Anions. ChemPhysChem, 2021, 22, 2281-2285.	2.1	60
1830	Stoichiomorphic halogen-bonded cocrystals: a case study of 1,4-diiodotetrafluorobenzene and 3-nitropyridine. Canadian Journal of Chemistry, 2022, 100, 245-251.	1.1	4
1831	Noncovalent Interactions at Lanthanide Complexes. Chemistry - A European Journal, 2021, 27, 14370-14389.	3.3	19
1832	Pnictogen-Bonding Catalysis and Transport Combined: Polyether Transporters Made In Situ. Jacs Au, 2021, 1, 1588-1593.	7.9	37
1833	Hydrosulfide (HSâ€) Recognition and Sensing in Water by Halogen Bonding Hosts. Angewandte Chemie, 0,	2.0	5
1834	Crystal structure of dichlorido-bis(4-chlorophenyl-îº <i>C</i> ¹)(2,2â€2-bipyridyl- <i>îº</i>) Tj ETQq1 1 C ₂₂ H ₁₆ Cl ₄ N ₂ Sn. Zeitschrift Fur Kristallographie -	0.784314 0.3	ł rgBT /Overi o
1835	New Crystal Structures, 2021, 236, 1327-1329. HFIPâ€Promoted Substitution in the Ferrocene Series: Smooth Approach towards Original Catalysts**. European Journal of Organic Chemistry, 2021, 2021, 5702.	2.4	3
1836	Hydrosulfide (HS ^{â^'}) Recognition and Sensing in Water by Halogen Bonding Hosts. Angewandte Chemie - International Edition, 2021, 60, 24048-24053.	13.8	15
1837	β-Hydroxy Carbonyl compounds via aldol reaction: Single crystal investigation and quantum chemical exploration for the unveiling of supramolecular behavior. Journal of Molecular Structure, 2021, 1241, 130650.	3.6	14
1838	Computational insight into pnictogen bonds in the self-assembly of caged pnictogen compounds. Chemical Physics, 2021, 550, 111317.	1.9	2

#	Article	IF	CITATIONS
1839	Uracil Derivatives for Halogen-Bonded Cocrystals. International Journal of Molecular Sciences, 2021, 22, 10663.	4.1	7
1840	Halogen bonding catalysis for the [3+2] cycloaddition reactions of epoxides with CO2, and other heterocumulenes. Journal of CO2 Utilization, 2021, 52, 101663.	6.8	11
1841	Mono- and binuclear Cu (II) 3,5-diiodosalicylates: Structures and features of non-covalent interactions in crystalline state. Journal of Molecular Structure, 2021, 1244, 130942.	3.6	8
1842	Crystal structures, DFT calculations and Hirshfeld surface analysis of two (E)-3-(aryl)-1-(naphthalen-1-yl)prop-2-en-1-one chalcone derivatives, potential Mycobacterium tuberculosis Enoyl ACP reductase (InhA) inhibitors and optical materials: conformational differences within the prop-2-en-1-one unit. Journal of Molecular Structure, 2021, 1246, 131091.	3.6	4
1843	Metalloid Chalcogen–pnictogen σ-hole bonding competition in stibanyl telluranes. Journal of Organometallic Chemistry, 2021, 954-955, 122092.	1.8	5
1844	Theoretical insight into electronic and molecular properties of halogenated (F, Cl, Br) and hetero-atom (N, O, S) doped cyclooctane. Materials Chemistry and Physics, 2022, 275, 125239.	4.0	21
1845	Mixed matrix of MOF@COF hybrids for enrichment and determination of phenoxy carboxylic acids in water and vegetables. Food Chemistry, 2022, 371, 131090.	8.2	19
1846	Halogen bonding in polymer science: towards new smart materials. Chemical Science, 2021, 12, 9275-9286.	7.4	42
1847	Chalcogen bonding interactions in chelating, chiral bis(selenocyanates). New Journal of Chemistry, 2021, 45, 76-84.	2.8	13
1848	Halogen Bonds of Iodonium Ions: A World Dissimilar to Silver Coordination. Bulletin of the Chemical Society of Japan, 2021, 94, 191-196.	3.2	5
1849	lodonium salts as efficient iodine(<scp>iii</scp>)-based noncovalent organocatalysts for Knorr-type reactions. RSC Advances, 2021, 11, 4574-4583.	3.6	32
1850	Yet another perspective on hole interactions. Physical Chemistry Chemical Physics, 2021, 23, 19948-19963.	2.8	23
1851	Halogenation Regulates Supramolecular Chirality at Hierarchical Levels of Self-Assembled N-Terminal Aromatic Amino Acids. Journal of Physical Chemistry Letters, 2021, 12, 1307-1315.	4.6	22
1852	From starphenes to non-benzenoid linear conjugated polymers by substrate templating. Nanoscale Advances, 2021, 3, 2351-2358.	4.6	4
1854	Impact of noncovalent interactions on structural and photophysical properties of zero-dimensional tellurium(<scp>iv</scp>) perovskites. Journal of Materials Chemistry C, 2021, 9, 3271-3286.	5.5	9
1855	Reactivity in a Self-assembled Organic Host. Monographs in Supramolecular Chemistry, 2021, , 133-166.	0.2	1
1856	A combined theoretical and CSD perspective on $large$ -hole interactions with tetrels, pnictogens, chalcogens, halogens, and noble gases. , 2021, , 119-155.		4
1857	From molecular electrostatic potential surfaces to practical avenues for directed assembly of organic and metal-containing crystalline materials. , 2021, , 231-279.		3

#	Article	IF	CITATIONS
1858	Solvent-dependent alignments and halogen-related interactions in inclusion crystals of adamantane-based macrocycle with pyridazine moieties. CrystEngComm, 2021, 23, 436-442.	2.6	3
1859	Nature of Alkali―and Coinageâ€Metal Bonds versus Hydrogen Bonds. Chemistry - an Asian Journal, 2021, 16, 315-321.	3.3	3
1860	Comparison of [±] Ïf-hole and [±] RË™-hole interactions formed by tetrel-containing complexes: a computational study. RSC Advances, 2021, 11, 4011-4021.	3.6	9
1861	Cospatial σ-Hole and Lone Pair Interactions of Square-Pyramidal Pentavalent Halogen Compounds with Ï€-Systems: A Quantum Mechanical Study. ACS Omega, 2021, 6, 3319-3329.	3.5	12
1862	Dimeric capsules self-assembled through halogen and chalcogen bonding. Chemical Communications, 2021, 57, 1543-1549.	4.1	23
1863	Isostructural Charge-Transfer Cocrystals Based on Triptycene End-Capped Quinoxalinophenanthrophenazine. Crystal Growth and Design, 2021, 21, 1329-1341.	3.0	5
1864	On the activation of PhICl ₂ with pyridine. Chemical Communications, 2021, 57, 4970-4973.	4.1	11
1865	Magnesium–halobenzene bonding: mapping the halogen sigma-hole with a Lewis-acidic complex. Chemical Science, 2021, 12, 2410-2418.	7.4	20
1866	Structural influence on stimuli-responsive halogen-bonded luminescent supramolecular polymers from heteroditopic isomers. CrystEngComm, 2021, 23, 1695-1699.	2.6	6
1867	Tuning the Halogen Bonding Strength of Cyclic Diaryliodonium Salts. Helvetica Chimica Acta, 2021, 104, e2000221.	1.6	24
1868	Crystal engineering strategies towards halogen-bonded metal–organic multi-component solids: salts, cocrystals and salt cocrystals. CrystEngComm, 2021, 23, 3063-3083.	2.6	50
1869	Bromonium salts: diaryl-î» ³ -bromanes as halogen-bonding organocatalysts. Chemical Communications, 2021, 57, 2519-2522.	4.1	29
1870	Modular and Chemoselective Strategy for Accessing (Distinct) α,αâ€Dihaloketones from Weinreb Amides and Dihalomethyllithiums. Advanced Synthesis and Catalysis, 2020, 362, 5056-5061.	4.3	14
1871	Improving Spin Probe Methodologies to Investigate Supramolecular Assemblies. European Journal of Organic Chemistry, 2020, 2020, 2995-3008.	2.4	9
1872	Disentanglement of orthogonal hydrogen and halogen bonds via natural orbital for chemical valence: A charge displacement analysis. Journal of Computational Chemistry, 2020, 41, 1185-1193.	3.3	8
1873	Recent Advances in Halogen Bonded Assemblies with Resorcin[4]arenes. Chemical Record, 2021, 21, 386-395.	5.8	20
1874	Influence of halogen atom substitution and neutral HCN/anion CNâ^' Lewis base on the triel-bonding interactions. Journal of Molecular Modeling, 2021, 27, 93.	1.8	2
1875	Pnictogen bonding in coordination chemistry. Coordination Chemistry Reviews, 2020, 418, 213381.	18.8	110

	Сітат	ION REPORT	
#	Article	IF	CITATIONS
1876	Noncovalent interactions in high-performance liquid chromatography enantioseparations on polysaccharide-based chiral selectors. Journal of Chromatography A, 2020, 1623, 461202.	3.7	55
1877	Increasing Enzyme Stability and Activity through Hydrogen Bond-Enhanced Halogen Bonds. Biochemistry, 2018, 57, 4135-4147.	2.5	74
1878	Halogen-Bonded Organic Frameworks of Perfluoroiodo- and Perfluorodiiodobenzene with 2,2′,7,7′-Tetrapyridyl-9,9′-spirobifluorene. Crystal Growth and Design, 2021, 21, 1045-1054.	3.0	11
1879	Effect of Halogen Bonding on Chiral Assemblies of Achiral Sulfonamide Molecules in the Crystalline Phase. Crystal Growth and Design, 2021, 21, 1148-1158.	3.0	11
1880	Halogen Bonding Involving Palladium(II) as an XB Acceptor. Crystal Growth and Design, 2021, 21, 1159-1177.	3.0	25
1881	Defining Direct Orbital Pathways for Intermolecular Electron Transfer Using Sensitized Semiconducting Surfaces. Inorganic Chemistry, 2020, 59, 14696-14705.	4.0	2
1882	Supramolecular Interactions Modulating Electrical Conductivity and Nanoprocessing of Copper–Iodine Double-Chain Coordination Polymers. Inorganic Chemistry, 2018, 57, 7568-7577.	4.0	22
1883	Metal-Free Living Cationic Polymerization Using Diaryliodonium Salts as Organic Lewis Acid Catalysts. Macromolecules, 2020, 53, 4185-4192.	4.8	47
1884	Analysis of Reactivity from the Noncovalent Interactions Perspective. RSC Catalysis Series, 2019, , 628-643.	0.1	2
1885	<i>cis</i> -Cyclodiphosph(<scp>v</scp> / <scp>)azanes as highly stable and robust main group supramolecular building blocks. CrystEngComm, 2018, 20, 5998-6004.</scp>	2.6	10
1886	The effect of anions on noncovalent interactions in model clusters of chalcogen-containing (CH ₃) ₂ X (X = O, S, Se) molecules. Physical Chemistry Chemical Physics, 2018, 18420-18428.	20, 2.8	8
1887	The intramolecular hydrogen bonded–halogen bond: a new strategy for preorganization and enhanced binding. Chemical Science, 2018, 9, 5828-5836.	7.4	84
1888	Formation of self-assembled supramolecular polymers by anti-electrostatic anion–anion and halogen bonding interactions. Chemical Communications, 2020, 56, 7084-7087.	4.1	21
1889	Directionality of P⋯O pnicogen bonding in light of geometry corrected statistical analysis. New Journal of Chemistry, 2020, 44, 9607-9610.	2.8	5
1890	Diaryliodonium as a double σ-hole donor: the dichotomy of thiocyanate halogen bonding provides divergent solid state arylation by diaryliodonium cations. Organic Chemistry Frontiers, 2020, 7, 2230-2242.	4.5	44
1891	Unraveling the mechanism of CO ₂ capture and separation by porous liquids. RSC Advances, 2020, 10, 42706-42717.	3.6	22
1892	Exploring the simultaneous ïf-hole/ï€-hole bonding characteristics of a Brï€ interaction in an ebselen derivative <i>via</i> experimental and theoretical electron-density analysis. IUCrJ, 2018, 5, 647-653.	2.2	19
1893	Co-crystals of an organic triselenocyanate with ditopic Lewis bases: recurrent chalcogen bond interactions motifs. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 34-38.	1.1	14

#	Article	IF	Citations
1894	The many flavours of halogen bonds – message from experimental electron density and Raman spectroscopy. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 1190-1201.	0.5	14
1895	Halogen-bonded network of trinuclear copper(II) 4-iodopyrazolate complexes formed by mutual breakdown of chloroform and nanojars. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1517-1520.	0.5	7
1896	[N,N-Bis(2-hydroxyethyl)dithiocarbamato-κ2S,Sâ€2]bis(triphenylphosphane-κP)copper(I) chloroform monosolvate: crystal structure, Hirshfeld surface analysis and solution NMR measurements. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1799-1805.	0.5	3
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. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 237-241.	0.5	3
1898	The crystal structure of 1-(2-iodobenzoyl)-4-(pyrimidin-2-yl)piperazine: a three-dimensional hydrogen-bonded framework, augmented by l€â€"ï€ stacking interactions and IN halogen bonds. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 129-133.	0.5	5
1899	Utilizing Hirshfeld surface calculations, non-covalent interaction (NCI) plots and the calculation of interaction energies in the analysis of molecular packing. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 308-318.	0.5	354
1900	Crystal structures and Hirshfeld surface analysis of a series of 4- <i>O</i> -arylperfluoropyridines. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1102-1107.	0.5	2
1901	Structural and luminescent properties of co-crystals of tetraiodoethylene with two azaphenanthrenes. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 438-442.	0.5	1
1902	1,2,4,5-Tetrachloro-3,6-diiodobenzene benzene monosolvate. IUCrData, 2019, 4, .	0.3	2
1903	The crystal structure of <i>catena</i> -poly[(μ ₂ -4,4â€2-dipyridine-Î ^e ²) Tj ETQq1 1 0.78 C ₂₈ H ₂₆ Cl ₆ N ₄ NiO ₈ . Zeitschrift Fur	4314 rgBT 0.3	/Overlock 1 10
1904	Kristallographie - New Crystal Structures, 2020, 235, 887-890. Halogen bonding in crystals of free 1,2-diiodo-ethene (C ₂ H ₂ I ₂] and its <i>i≥l€</i> -complex [CpMn(CO) ₂](<i>i≥l€</i> -C ₂ H ₂ I ₂). Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 599-607.	0.8	13
1905	Marine Natural Products with High Anticancer Activities. Current Medicinal Chemistry, 2020, 27, 1243-1307.	2.4	30
1906	New Aspects of Monoamine Oxidase B Inhibitors: The Key Role of Halogens to Open the Golden Door. Current Medicinal Chemistry, 2020, 28, 266-283.	2.4	32
1907	Recent Advances in Halogen Bond-assisted Organic Synthesis. Current Organic Chemistry, 2020, 24, 2118-2152.	1.6	13
1908	Recent Developments in the Asymmetric Detrifluoroacetylative Reactions of in situ Generated Mono-Fluorinated Enolates. Current Organic Chemistry, 2020, 24, 2181-2191.	1.6	9
1909	Synthesis and Antiproliferatory Activities Evaluation of Multi-Substituted Isatin Derivatives. Molecules, 2021, 26, 176.	3.8	10
1910	2-Iodoimidazolinium Salt-Catalyzed Friedel–Crafts Reaction: Synthesis of Bis(indolyl)methane Alkaloids. Heterocycles, 2018, 97, 163.	0.7	11
1911	Revisiting the covalent nature of halogen bonding: a polarized three-center four-electron bond. RSC Advances, 2021, 11, 32852-32860.	3.6	11

#	Article	IF	CITATIONS
1912	A combined structural and computational investigation of aminobenzylnaphthol compounds derived from the Betti reaction using valine methyl ester. New Journal of Chemistry, 2021, 45, 20735-20742.	2.8	5
1913	Supramolecular helices from helical building blocks <i>via</i> head-to-tail intermolecular interactions. Chemical Communications, 2021, 57, 12562-12574.	4.1	11
1914	Lead(<scp>ii</scp>) supramolecular structures formed through a cooperative influence of the hydrazinecarbothioamide derived and ancillary ligands. CrystEngComm, 2022, 24, 368-378.	2.6	7
1915	Dihypoiodites stabilised by 4-ethylpyridine through O–l–N halogen bonds. Dalton Transactions, 2021, 50, 14990-14993.	3.3	13
1916	A photoexcited halogen-bonded EDA complex of the thiophenolate anion with iodobenzene for C(sp ³)–H activation and thiolation. Chemical Science, 2021, 12, 15655-15661.	7.4	41
1917	THEORETICAL INVESTIGATION OF SUPRAMOLECULAR Br···Br AND I···I CONTACTS IN TITANIUM, VANADIUN AND TANTALUM CHALCOGENIDES. Journal of Structural Chemistry, 2021, 62, 1325-1331.	И _{1.0}	2
1918	Halogen Bonding in N-Alkyl-3-halogenopyridinium Salts. Crystals, 2021, 11, 1240.	2.2	7
1919	Chiral Hypervalent Bromine(III) (Bromonium Salt): Hydrogen- and Halogen-Bonding Bifunctional Asymmetric Catalysis by Diaryl-λ ³ -bromanes. ACS Catalysis, 2021, 11, 13028-13033.	11.2	33
1920	A Promiscuous Halogenase for the Derivatization of Flavonoids. Molecules, 2021, 26, 6220.	3.8	4
1921	Stacked but not Stuck: Unveiling the Role of ï€â†'ï€* Interactions with the Help of the Benzofuran–Formaldehyde Complex. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15
1922	Light assisted synthesis of poly-para-phenylene on Ag(001). Journal of Physics Condensed Matter, 2022, 34, 055001.	1.8	1
1923	Iodine(I) and Silver(I) Complexes of Benzoimidazole and Pyridylcarbazole Derivatives. Chemistry - A European Journal, 2021, 27, 17412-17419.	3.3	10
1924	Total Syntheses of Vicinal Dichloride Monoterpenes Enabled by Aza-BelluÅj–Claisen Rearrangement. Organic Letters, 2021, 23, 8465-8470.	4.6	3
1925	Deprotometalation-lodolysis and Direct Iodination of 1-Arylated 7-Azaindoles: Reactivity Studies and Molecule Properties. Molecules, 2021, 26, 6314.	3.8	1
1926	Halogen…π interactions in the complexes of fluorenonophane with haloforms. Structural Chemistry, 2022, 33, 257-266.	2.0	3
1927	Evaluating Halogen-Bond Strength as a Function of Molecular Structure Using Nuclear Magnetic Resonance Spectroscopy and Computational Analysis. Journal of Physical Chemistry A, 2021, 125, 9377-9393.	2.5	10
1928	Iso-Tellurazolium <i>-N</i> -Phenoxides: A Family of Te···O Chalcogen-Bonding Supramolecular Building Blocks. Inorganic Chemistry, 2021, 60, 16726-16733.	4.0	8
1929	5-HT ₂ Receptor Subfamily and the Halogen Bond Promise. Journal of Chemical Information and Modeling, 2021, 61, 5001-5012.	5.4	3

	CITATIO	on Report	
# 1930	ARTICLE Micropore environment regulation of zirconium MOFs for instantaneous hydrolysis of an organophosphorus chemical. Cell Reports Physical Science, 2021, 2, 100612.	IF 5.6	CITATIONS
1931	Photochromic and Room Temperature Phosphorescent Donor–Acceptor Hybrid Crystals Regulated by Core-Substituted Naphthalenediimides. Inorganic Chemistry, 2021, 60, 16233-16240.	4.0	19
1932	OnionNet-2: A Convolutional Neural Network Model for Predicting Protein-Ligand Binding Affinity Based on Residue-Atom Contacting Shells. Frontiers in Chemistry, 2021, 9, 753002.	3.6	39
1933	Chainlike Structure Formed in Iodine Monochloride Graphite Intercalation Compounds. Journal of Physical Chemistry C, 2021, 125, 23383-23389.	3.1	3
1934	1,3,5-Trifluoro-2,4,6-triiodobenzene–piperazine (2/1). IUCrData, 2021, 6, .	0.3	0
1935	Harnessing Bismuth Coordination Chemistry to Achieve Bright, Long-Lived Organic Phosphorescence. Inorganic Chemistry, 2021, 60, 16840-16851.	4.0	15
1936	Discovery and Mechanism of Action of Small Molecule Inhibitors of Ceramidases**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	19
1937	On the Importance of $Ifa\in$ Hole Interactions in Crystal Structures. Crystals, 2021, 11, 1205.	2.2	48
1938	Hidden Halogen-Bonding Ability of Fluorine Manifesting in the Hydrogen-Bond Configurations of Hydrogen Fluoride. Journal of Physical Chemistry B, 2021, 125, 11742-11750.	2.6	6
1939	Metal Centers as Nucleophiles: Oxymoron of Halogen Bondâ€Involving Crystal Engineering. Chemistry - A European Journal, 2022, 28, .	3.3	41
1940	Stacked but not Stuck: Unveiling the Role of π → π* Interactions with the Help of the Benzofuranâ€Formaldehyde Complex. Angewandte Chemie, 2022, 134, e202113737.	2.0	2
1941	Exploiting non-covalent interactions in selective carbohydrate synthesis. Nature Reviews Chemistry, 2021, 5, 792-815.	30.2	50
1942	KO ^{<i>t</i>} Bu-Promoted Halogen-Bond-Assisted Intramolecular C–S Cross-Coupling of <i>o</i> -lodothioanilides for the Synthesis of 2-Substituted Benzothiazoles. Journal of Organic Chemistry, 2021, 86, 15825-15834.	3.2	9
1943	Halogen and Hydrogen Bond Motifs in Ionic Cocrystals Derived from 3-Halopyridinium Halogenides and Perfluorinated Iodobenzenes. Crystal Growth and Design, 2021, 21, 6044-6050.	3.0	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. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1276-1280.	0.5	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>Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1599-1604.</i>	H-3a,6657,9a-0	diepoxybenz
#	Article	IF	CITATIONS
------	--	-------------------	-----------------
1948	Noncovalent Interactions in Ionic Liquids. RSC Catalysis Series, 2019, , 350-376.	0.1	0
1949	Noncovalent Interaction-assisted Redox Catalysis in Reductive Dehalogenation. RSC Catalysis Series, 2019, , 302-323.	0.1	1
1950	Halogenated Biocomposites. Biologically-inspired Systems, 2019, , 255-262.	0.2	0
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.	1.1	1
1952	(<i>E</i>)-6,6′-(Diazene-1,2-diyl)bis(1,10-phenanthrolin-5-ol) trichloromethane disolvate: a superconjugated ligand. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1224-1227.	0.5	0
1954	Polymorphism and phase transformation in the dimethyl sulfoxide solvate of 2,3,5,6-tetrafluoro-1,4-diiodobenzene. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 524-529.	0.5	0
1955	The crystal structure of 1,8-bis(pyridin-4-ylethynyl)anthracene-1,2,4,5-tetrafluoro-3,6-diiodobenzene (2/1), C ₆₂ H ₃₂ F ₄ I ₂ N ₄ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2020, 235, 919-921.	0.3	0
1956	Diethyl (iodoethynyl)phosphonate and (iodoethynyl)diphenylphosphane oxide: crystal structures and some cycloaddition reactions. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 529-536.	0.7	1
1957	Crystal structure and Hirshfeld analysis of 3′-bromo-4-methylchalcone and 3′-cyano-4-methylchalcone. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1496-1502.	0.5	1
1958	Development of Aromatic-Fused Diketophosphanyl-Cored Functional π-Conjugated Molecules. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2020, 78, 792-800.	0.1	0
1959	Energetic and Geometric Characteristics of the Substituents: Part 2: The Case of NO2, Cl, and NH2 Groups in Their Mono-Substituted Derivatives of Simple Nitrogen Heterocycles. Molecules, 2021, 26, 6543.	3.8	4
1960	A Robust Supramolecular Heterosynthon Assembled by a Hydrogen Bond and a Chalcogen Bond. Crystals, 2021, 11, 1309.	2.2	6
1961	Understanding the Binding Mode of Losartan Upon GPVI via a Molecular Simulation Study. Journal of Computational Biophysics and Chemistry, 2022, 21, 23-34.	1.7	0
1962	Pillararene-Based Supramolecular Polymer. , 2020, , 341-381.		0
1963	Homochiral and heterochiral associations observed in crystals of ArSO ₂ -(Aib) ₅ -OMe. CrystEngComm, 2020, 22, 8353-8361.	2.6	2
1964	Understanding the impact of anticancer halogenated inhibitors and various functional groups (X = Cl,) Biomolecular Structure and Dynamics, 2022, 40, 5036-5052.	Tj ETQq1 (3.5	1 0.784314 1
1965	Photochemical bromination and iodination of peptides and proteins by photoexcitation of aqueous halides. Chemical Communications, 2021, 57, 11972-11975.	4.1	5
1966	Charge-assisted chalcogen bonding in 2-(4-substituted benzoyl)thiazolo[3,2-a]pyridin-4-ium bromides. Dyes and Pigments, 2022, 197, 109898.	3.7	3

CITATION REPORT	
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#	Article	IF	CITATIONS
1967	Chapter 2. Counterparts of the Hydrogen Bond. RSC Theoretical and Computational Chemistry Series, 2020, , 41-98.	0.7	0
1968	Synthesis and Iodometric Analysis of the Polyiodide Salt (NMe ₄)[I ₅]. Journal of Chemical Education, 2020, 97, 1117-1119.	2.3	4
1969	Crystal structure of 18-crown-6 – 1,4-diiodotetrafluorobenzene – acetonitrile (1/1/2), C ₂₂ H ₃₀ F ₄ 1 ₂ N ₂ O ₆ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2020, 235, 663-664.	0.3	1
1970	Ditopic halogen bonding with bipyrimidines and activated pyrimidines. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 458-467.	0.5	5
1971	Discovery and mechanism of action of small molecule inhibitors of ceramidases. Angewandte Chemie, 0, , .	2.0	3
1972	Evaluation of Halogenopyridinium Cations as Halogen Bond Donors. Crystal Growth and Design, 2021, 21, 6889-6901.	3.0	14
1973	Tunable bandgap and luminescence characters in single-phase two-dimensional perovskite AVA2PbCl Br4- alloys. Journal of Materials Research and Technology, 2021, 15, 5353-5359.	5.8	3
1974	One-pot solvothermal synthesis of mononuclear and oxalate-bridged binuclear nickel compounds: Structural analyses, conformation alteration and magnetic properties. Inorganica Chimica Acta, 2022, 530, 120697.	2.4	26
1975	Creating Organic Functional Materials beyond Chemical Bond Synthesis by Organic Cocrystal Engineering. Journal of the American Chemical Society, 2021, 143, 19243-19256.	13.7	84
1976	CYP2C9 and 3A4 play opposing roles in bioactivation and detoxification of diphenylamine NSAIDs. Biochemical Pharmacology, 2021, 194, 114824.	4.4	5
1977	Flexible Alkali–Halogen Bonding in Two Dimensional Alkali-Metal Organic Frameworks. Journal of Physical Chemistry Letters, 2021, 12, 10808-10814.	4.6	11
1978	Observing halogen-bond-assisted electron transport in high-performance polymer solar cells. Applied Physics Letters, 2021, 119, 183302.	3.3	4
1979	Xâ‹â‹X Halogen Bondâ€Induced Supramolecular Helices. Angewandte Chemie - International Edition, 2022	2,61 13.8	25
1980	Hydrogen-Bonding-Mediated Molecular Vibrational Suppression for Enhancing the Fluorescence Quantum Yield Applicable for Visual Phenol Detection. ACS Applied Materials & Interfaces, 2021, 13, 54339-54347.	8.0	6
1981	X…X Halogen Bondâ€Induced Supramolecular Helices. Angewandte Chemie, 0, , .	2.0	4
1982	Crystal structures of the gold NHC complex bis(4-bromo-1,3-diethylimidazol-2-ylidene)gold(I) iodide and its 1:1 adduct with <i>trans</i> -bis(4-bromo-1,3-diethyl-imidazol-2-ylidene)diiodidogold(III) iodide. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 1249-1252.	0.5	0
1983	Charge Assisted Hydrogen Bonded Assemblies and Unconventional Oâ [^] ™â [^] ™â [^] ™O Dichalcogen Bonding Interactions in Pyrazole-Based Isostructural Ni(II) and Mn(II) Compounds involving Anthraquinone Disulfonate: Antiproliferative Evaluation and Theoretical Studies. Journal of Molecular Structure, 2021, 1250, 131883.	3.6	6
1984	Differences in thermal expansion and motion ability for herringbone and face-to-face π-stacked solids. IUCrJ, 2022, 9, 31-42.	2.2	6

#	Article	IF	CITATIONS
1985	Crystal structure of 2,3-dimethoxy- <i>meso</i> -tetrakis(pentafluorophenyl)morpholinochlorin methylene chloride 0.44-solvate. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1222-1228.	0.5	0
1986	Asymmetric Synthesis of Chiral Heterocyclic Compounds via Intramolecular Dehydrative Allylation Catalyzed by a Cp-ruthenium-BrĄ̃nsted Acid Combined Catalyst. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2020, 78, 943-951.	0.1	0
1987	The structure of 9-(3-bromo-6-chloro-2-hy-droxy-phen-yl)-10-(2-hy-droxy-ethyl)-3,6-diphenyl-3,4,5,6,7,9-hexa-hydro-2-acridine-1,8-di Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1218-1221.	0 0 छ	0
1988	Multi-molecular asymmetric units and cocrystals: Symmetry violation. Theoretical and Computational Chemistry, 2021, , 169-199.	0.4	Ο
1989	A comparative study of noncovalent interactions in various Ni-compounds containing nitrogen heteroaromatic ligands and pseudohalides: A combined experimental and theoretical studies. Inorganica Chimica Acta, 2022, 531, 120702.	2.4	0
1990	CRYSTAL STRUCTURE OF 3-tert-BUTYL- PYRAZOLO[5,1-Ñ][1,2,4]TRIAZINE-3,4-DIYL DICARBOXYLATES. Journal of Structural Chemistry, 2021, 62, 1522-1530.	1.0	Ο
1991	Solvent Co-adsorption Changing the Type of Halogen-Based Bonds Associated with the Position of Bromine Substituents Revealed by Scanning Tunneling Microscopy. Journal of Physical Chemistry C, 2021, 125, 26847-26856.	3.1	1
1992	A Combined Experimental/Quantum-Chemical Study of Tetrel, Pnictogen, and Chalcogen Bonds of Linear Triatomic Molecules. Molecules, 2021, 26, 6767.	3.8	7
1993	On the Importance of Pnictogen and Chalcogen Bonding Interactions in Supramolecular Catalysis. International Journal of Molecular Sciences, 2021, 22, 12550.	4.1	40
1994	Hyper-coordinated iodine in HIO3 under pressure. Vibrational Spectroscopy, 2021, 117, 103318.	2.2	1
1995	Halogen Bonding Adsorbent Pyridine Nâ€oxides for Iodine Capture in Water. Chemistry - A European Journal, 2022, 28, .	3.3	11
1996	Pushing the Limits of Characterising a Weak Halogen Bond in Solution. Chemistry - A European Journal, 2022, 28, .	3.3	7
1997	Structure–Activity Studies with Bis-Amidines That Potentiate Gram-Positive Specific Antibiotics against Gram-Negative Pathogens. ACS Infectious Diseases, 2021, 7, 3314-3335.	3.8	11
1998	Traversing the Tightrope between Halogen and Chalcogen Bonds Using Structural Chemistry and Theory. Crystal Growth and Design, 2021, 21, 7168-7178.	3.0	12
1999	Ïfâ€Hole Interactions of Tetrahedral Group IV–VIII Lewis Acid Centers with Lewis Bases: A Comparative Study. ChemistrySelect, 2021, 6, 11856-11864.	1.5	5
2000	Crystal structure of 4,5-diiodo-1,3-dimesityl-1 <i>H</i> -1,2,3-triazol-3-ium chloride – chloroform (1/1), C ₂₁ H ₂₃ Cl ₄ l ₂ N ₃ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2022, 237, 97-99.	0.3	0
2001	A Porous Chalcogen-Bonded Organic Framework. Journal of the American Chemical Society, 2021, 143, 20207-20215.	13.7	27
2002	Classical Electrostatics Remains the Driving Force for Interanion Hydrogen and Halogen Bonding. Journal of Physical Chemistry A, 2021, 125, 10428-10438.	2.5	8

ARTICLE

On the Importance of Halogen Bonding Interactions in Two X-ray Structures Containing All Four (F,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5

2004	Synthesis, characterization and cytotoxic evaluation of chalcone derivatives. Journal of Molecular Structure, 2022, 1251, 132001.	3.6	12
2005	1,1′â€Ferrocenyleneâ€Bridged Bis(Nâ€Heterocyclic Olefin) Derivatives. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	1
2006	Halogenâ€Bonded Coâ€Crystals Containing Mono―and Dinuclear Metalâ€Organic Units: Threeâ€Component Oneâ€Pot Mechanosynthesis, Structural Analysis and Magnetic Properties. Chemistry Methods, 0, , .	3.8	0
2007	Azaâ€Dielsâ€Alder Reaction of Danishefsky's Diene with Imine Catalyzed by Nâ€Heterocyclic Imidazole Halogen Bond Donors. ChemistrySelect, 2021, 6, 12843-12851.	1.5	6
2008	Engineering Heteronuclear Arrays from <scp>Ir^{III}â€Metalloligand</scp> and <scp>Co^{II}</scp> Showing Coexistence of Slow Magnetization Relaxation and Photoluminescence. Chinese Journal of Chemistry, 2022, 40, 931-938.	4.9	4
2009	Sidechain engineering of N-annulated perylene diimide molecules. New Journal of Chemistry, 2021, 45, 21001-21005.	2.8	8
2010	lodoperchlorobenzene acts as a dual halogen-bond donor to template a [2 + 2] cycloaddition reaction within an organic co-crystal. CrystEngComm, 2021, 23, 8265-8268.	2.6	6
2011	3-Methoxybutan-2-one as a sustainable bio-based alternative to chlorinated solvents. RSC Advances, 2021, 11, 39412-39419.	3.6	2
2012	Dicationic oligotelluroxane or mononuclear telluronium cation? Elucidation of the true catalytic species and activation mechanism of the benzylic carbon-halogen bond. Chemical Communications, 2021, 57, 13736-13739.	4.1	9
2013	Intermolecular Interactions of Organic Fluorine Seen in Perspective. Crystal Growth and Design, 2022, 22, 1352-1364.	3.0	17
2014	Investigation of [CHCl3-CH3OH] complex using matrix-isolation IR spectroscopy and quantum chemical calculation: Evidence of hydrogen- and halogen-bonding interaction. Chemical Physics, 2022, 555, 111451.	1.9	8
2015	Topochemical polymerization of a diacetylene in a chalcogenâ€bonded (ChB) assembly. Angewandte Chemie, 0, , .	2.0	2
2016	Spodium bonds and metal–halogen··À-halogen–metal interactions in propagation of monomeric units to dimeric or polymeric architectures. Journal of Molecular Structure, 2022, 1252, 132144.	3.6	8
2017	Cu(II) pentaiodobenzoate complexes: "super heavy carboxylates―featuring strong halogen bonding. Polyhedron, 2022, 214, 115644.	2.2	11
2018	Reaction mechanism for copper catalyzed functionalization of unsaturated side chains of amides via domino rearrangement. Journal of Organometallic Chemistry, 2022, 961, 122233.	1.8	1
2019	The synthesis, structure, and spectral properties of antimony(III) phthalocyanine obtained under iodine vapor atmosphere: (SbIIIPc)(I3) ½(I2). Inorganica Chimica Acta, 2022, 532, 120758.	2.4	1
2020	Polymorphism and solid state peculiarities in imidazo[1,5-a]pyridine core deriving compounds: An analysis of energetic and structural driving forces. Journal of Molecular Structure, 2022, 1253, 132175.	3.6	5

#	Article	IF	CITATIONS
2021	Photoinduced C(sp ³)–H chlorination of amides with tetrabutyl ammonium chloride. Organic and Biomolecular Chemistry, 2021, 19, 10228-10232.	2.8	1
2022	Interplay of Halogen and Weak Hydrogen Bonds in the Formation of Magic Nanoclusters on Surfaces. Journal of Physical Chemistry C, 2022, 126, 588-596.	3.1	7
2023	Synthesis and cationic polymerization of halogen bonding vinyl ether monomers. RSC Advances, 2022, 12, 2641-2651.	3.6	1
2024	Orientational isomerisation of guest molecules in equilibrium in a tubular host crystal formed <i>via</i> halogen and hydrogen bonding. CrystEngComm, 2022, 24, 1518-1522.	2.6	0
2025	ï€-Hole Tetrel Bonds—Lewis Acid Properties of Metallylenes. Crystals, 2022, 12, 112.	2.2	17
2026	[Nb ₆ Cl ₁₄ (pyrazine) ₄], a Versatile Precursor for Ligand-Supported Hexanuclear Niobium Cluster Compounds: Synthesis, Characterization, Follow-Up Reactions, and Intermolecular Interactions. Inorganic Chemistry, 2022, 61, 2409-2420.	4.0	2
2027	Cooperativity of Halogen- and Chalcogen-Bonding Interactions in the Self-Assembly of 4-lodoethynyl- and 4,7-Bis(iodoethynyl)benzo-2,1,3-chalcogenadiazoles: Crystal Structures, Hirshfeld Surface Analyses, and Crystal Lattice Energy Calculations. Crystal Growth and Design, 2022, 22, 1299-1311.	3.0	5
2028	Host–guest complexes <i>vs.</i> supramolecular polymers in chalcogen bonding receptors: an experimental and theoretical study. Dalton Transactions, 2022, 51, 1325-1332.	3.3	6
2029	Halogen bonding in cadmium(<scp>ii</scp>) MOFs: its influence on the structure and on the nitroaldol reaction in aqueous medium. Dalton Transactions, 2022, 51, 1019-1031.	3.3	22
2030	Halogen and structure sensitivity of halobenzene adsorption on copper surfaces. Physical Chemistry Chemical Physics, 2022, 24, 4485-4492.	2.8	2
2031	Solvent Influenced Fragmentations in Free‣tanding Threeâ€Dimensional Covalent Organic Framework Membranes for Hydrophobicity Switching. Angewandte Chemie, 0, , .	2.0	0
2032	Fibril Structure Demonstrates the Role of Iodine Labelling on a Pentapeptide Selfâ€Assembly. Chemistry - A European Journal, 2022, 28, .	3.3	9
2033	Halogen Bonding: A New Platform for Achieving Multiâ€Stimuliâ€Responsive Persistent Phosphorescence. Angewandte Chemie, 2022, 134, .	2.0	20
2034	Chiral Binaphthylâ€Based Iodonium Salt (Hypervalent Iodine(III)) as Hydrogen―and Halogenâ€Bonding Bifunctional Catalyst: Insight into Abnormal Counteranion Effect and Asymmetric Synthesis of <i>N</i> , <i>S</i> â€Acetals. Advanced Synthesis and Catalysis, 2022, 364, 1091-1098.	4.3	22
2035	A new family of one-dimensional bromo-bridged Ir(iv)–Cu(ii) complexes based on the hexabromoiridate(iv) metalloligand. Dalton Transactions, 2022, , .	3.3	2
2036	Topochemical Polymerization of a Diacetylene in a Chalcogenâ€Bonded (ChB) Assembly. Angewandte Chemie - International Edition, 2022, 61, .	13.8	9
2037	Synthesis, crystal structure and Hirshfeld surface analysis of 2-(perfluorophenyl)acetamide in comparison with some related compounds. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 80-83.	0.5	5
2038	Chiral Ferrocenylâ^'lodotriazoles and â^'lodotriazoliums as Halogen Bond Donors. Synthesis, Solid State Analysis and Catalytic Properties European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	12

#	Article	IF	CITATIONS
2040	Slow Magnetic Relaxation and Luminescent Properties of Mononuclear Lanthanide-Substituted Keggin-Type Polyoxotungstates with Compartmental Organic Ligands. Inorganic Chemistry, 2022, 61, 2428-2443.	4.0	16
2041	"Clickâ€â€Like η 6 â€Metalation/Demetalation of Aryl Iodides as a Means of Turning "ON/OFF―Halogen B Donor Functionality. Angewandte Chemie, 0, , .	Bond 2.0	1
2042	Synthesis, Spectroscopy and Crystal Structure Analysis of N1,N3-dicyclohexyl-N1-(all-trans-retinoyl)urea. Journal of Chemical Crystallography, 0, , .	1.1	0
2043	Quantitative Investigation of Halogen and Hydrogen Bonding in 2â€Chloro, 4â€Xâ€Benzoic Acids. ChemistrySelect, 2022, 7, .	1.5	2
2044	Novel Method for Extracting the Spectrum of a Supramolecular Complex via a Comprehensive Approach Involving Two-Dimensional Correlation Spectroscopy, Genetic Algorithm, and Grid Searching. Analytical Chemistry, 2022, 94, 2348-2355.	6.5	3
2045	Oxidative lododeborylation Reaction of (Hetero)arylboronic Acids in Water Extract of Pomegranate Ash: A Novel and Sustainable Synthesis of Iodo(hetero)arenes. Waste and Biomass Valorization, 2022, 13, 2207-2216.	3.4	8
2046	"Clickâ€â€Like η 6 â€Metalation/Demetalation of Aryl Iodides as a Means of Turning "ON/OFF―Halogen E Donor Functionality. Angewandte Chemie - International Edition, 2022, , .	3ond 13.8	4
2047	Halogen Bonding in Haspin-Halogenated Tubercidin Complexes: Molecular Dynamics and Quantum Chemical Calculations. Molecules, 2022, 27, 706.	3.8	2
2048	The Emerging Role of Halogen Bonding in Hybrid Perovskite Photovoltaics. Chemistry of Materials, 2022, 34, 2495-2502.	6.7	29
2049	Supramolecular gating of guest release from cucurbit[7]uril using de novo design. Npj Computational Materials, 2022, 8, .	8.7	9
2050	Halogen Bonding: A New Platform for Achieving Multi‣timuliâ€Responsive Persistent Phosphorescence. Angewandte Chemie - International Edition, 2022, 61, .	13.8	111
2051	Halogen Bonding in Perovskite Solar Cells: A New Tool for Improving Solar Energy Conversion. Angewandte Chemie, 0, , .	2.0	3
2052	Solventâ€Influenced Fragmentations in Freeâ€Standing Threeâ€Dimensional Covalent Organic Framework Membranes for Hydrophobicity Switching. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
2053	Metal-Involving Halogen Bonding Including Cold(I) as a Nucleophilic Partner. The Case of Isomorphic Dichloroaurate(I)·Halomethane Cocrystals. Inorganic Chemistry, 2022, 61, 2558-2567.	4.0	10
2054	Very close l⋯As and l⋯Sb interactions in trimethylpnictogen-pentafluoroiodobenzene cocrystals. CrystEngComm, 2021, 24, 70-76.	2.6	4
2055	Halide-containing organic persistent luminescent materials for environmental sensing applications. Chemical Science, 2022, 13, 2184-2201.	7.4	20
2056	Halogen bonds in the crystal structure of 4,3′:5′,4″-terpyridine — 1,3-diiodotetrafluorobenzene (1/1), C ₂₁ H ₁₁ F ₄ I ₂ N ₃ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2022, 237, 161-163.	0.3	0
2057	Reversible luminescence "off–on―regulation based on tunable photodimerization <i>via</i> crystal-to-cocrystal transformation. Journal of Materials Chemistry C, 2022, 10, 734-741.	5.5	11

#	Article	IF	CITATIONS
2058	Synthesis, solid state self-assembly driven by antiparallel Ï€â<¯Ï€ stacking and {â<¯H–C–C–F} ₂ dimer synthons, and <i>in vitro</i> acetyl cholinesterase inhibition activity of phenoxy pendant isatins. RSC Advances, 2022, 12, 1788-1796.	3.6	6
2059	Theoretical investigation on the nature of substituted benzeneâ <aux ,="" .<="" 0,="" chemistry,="" covalent="" interactions:="" journal="" new="" noncovalent?.="" of="" or="" td=""><td>2.8</td><td>2</td></aux>	2.8	2
2060	Long-range supramolecular synthon polymorphism: a case study of two new polymorphic cocrystals of Ph ₂ Te ₂ –1,4-C ₆ F ₄ I ₂ . CrystEngComm, 2022, 24, 1442-1452.	2.6	4
2061	Halogen Bonding in Perovskite Solar Cells: A New Tool for Improving Solar Energy Conversion. Angewandte Chemie - International Edition, 2022, 61, .	13.8	45
2062	Conservation of the Hydrogen-Bonded Pyridone Homosynthon in Halogen-Bonded Cocrystals. Crystal Growth and Design, 2022, 22, 987-992.	3.0	13
2063	Chalcogen···Chalcogen Bonding in Molybdenum Disulfide, Molybdenum Diselenide and Molybdenum Ditelluride Dimers as Prototypes for a Basic Understanding of the Local Interfacial Chemical Bonding Environment in 2D Layered Transition Metal Dichalcogenides. Inorganics, 2022, 10, 11.	2.7	8
2064	Efficient solid phase microextraction of organic pollutants based on graphene oxide/chitosan aerogel. Analytica Chimica Acta, 2022, 1195, 339462.	5.4	32
2065	Structural modification aimed for improving solubility of lead compounds in early phase drug discovery. Bioorganic and Medicinal Chemistry, 2022, 56, 116614.	3.0	44
2066	Independent gradient model based on Hirshfeld partition: A new method for visual study of interactions in chemical systems. Journal of Computational Chemistry, 2022, 43, 539-555.	3.3	794
2067	Quadruple Target Evaluation of Diversity-Optimized Halogen-Enriched Fragments (HEFLibs) Reveals Substantial Ligand Efficiency for AP2-Associated Protein Kinase 1 (AAK1). Frontiers in Chemistry, 2021, 9, 815567.	3.6	5
2068	Cooperative Effect of Noncovalent Interactions on Tetrel Bonding in Halogenated Silanes. ChemPhysChem, 2022, , .	2.1	3
2069	Strong σ-hole triel-bond between C5H5Tr (Tr B, Al, Ga) and Nâ€base (Nâ€base NCH, NH3, NCâ^'): Cooperativity and solvation effects. Chemical Physics Letters, 2022, 791, 139377.	2.6	2
2070	Crystal engineering with energetic picric acid halogen-based salts: Promising properties of a new family of insensitive materials. Journal of Molecular Structure, 2022, 1254, 132381.	3.6	6
2071	Synthesis, crystal, and Hirschfeld surface, DFT and molecular docking studies of 6-(3‑chloro-4-fluorophenyl)-4-ethoxy-2-(4-methoxyphenyl)quinazoline derivative. Journal of Molecular Structure, 2022, 1255, 132439.	3.6	4
2072	Predictability of Chalcogen-Bond-Driven Crystal Engineering: An X-ray Diffraction and Selenium-77 Solid-State NMR Investigation of Benzylic Selenocyanate Cocrystals. ACS Organic & Inorganic Au, 2022, 2, 252-260.	4.0	5
2073	2,5-Diiodothiophene: A Versatile Halogen Bonding Synthon for Crystal Engineering. Crystal Growth and Design, 2022, 22, 1906-1913.	3.0	7
2074	NMR Response of the Tetrel Bond Donor. Journal of Physical Chemistry C, 2022, 126, 851-865.	3.1	10
2075	An Alkali-Resistant Metal-Organic Framework as Halogen Bonds Donor for Efficient and Selective Capturing Reo4 â^' /Tco4 â^'. SSRN Electronic Journal, 0, , .	0.4	0

# 2076	ARTICLE An amino-type halogen-bonded organic framework for the selective adsorption of aliphatic acid vapors: insight into the competitive interactions of halogen bonds and hydrogen bonds. Journal of Materials Chemistry A, 2022, 10, 10586-10592.	IF 10.3	CITATIONS
2077	Ligand exchange among iodine(<scp>i</scp>) complexes. Dalton Transactions, 2022, 51, 4668-4674.	3.3	13
2078	Supramolecular networks by imine halogen bonding. Chemical Communications, 2022, , .	4.1	5
2079	Structure analysis of inclusion crystals of diimide-based macrocycles with halocarbons. CrystEngComm, 0, , .	2.6	1
2080	A flexible thin film lithium battery with a chemical vapor deposited organic complex cathode. Journal of Materials Chemistry A, 2022, 10, 8390-8400.	10.3	7
2081	The use of electrostatic potential at nuclei in the analysis of halogen bonding. New Journal of Chemistry, 2022, 46, 6158-6164.	2.8	7
2082	An emerging deep eutectic solvent based on halogen-bonds. Chemical Communications, 2022, 58, 4607-4610.	4.1	11
2083	Assessment of halogen-bond induced cocrystallization of 1,3,5-trihalo-2,4,6-trifluorobenzenes with 2,3,5,6-Tetramethylpyrazine. Results in Chemistry, 2022, 4, 100336.	2.0	1
2084	A new assembly of diiodine molecules at the 1,3-dimethylimidazole-2-thione (Me ₂ ImS) template: crystal structure of (Me ₂ ImS) ₂ ·(I ₂) ₅ . New Journal of Chemistry, 0, , .	2.8	0
2085	Water facilitated photolysis of perfluoroalkyl iodides <i>via</i> halogen bonding. Organic Chemistry Frontiers, 0, , .	4.5	6
2086	Dimeric iodine(<scp>i</scp>) and silver(<scp>i</scp>) cages from tripodal N-donor ligands <i>via</i> the [N–Ag–N] ⁺ to [N–l–N] ⁺ cation exchange reaction. Inorganic Chemistry Frontiers, 2022, 9, 2231-2239.	6.0	7
2087	Towards hydrogen and halogen bonded frameworks based on 3,5-bis(triazolyl)pyridinium motifs. CrystEngComm, 2022, 24, 3268-3279.	2.6	0
2088	Chameleonic metal-bound isocyanides: a π-donating Cu ^I -center imparts nucleophilicity to the isocyanide carbon toward halogen bonding. Inorganic Chemistry Frontiers, 2022, 9, 1655-1665.	6.0	13
2089	Novel cyclen-polyiodide complexes: a reappraisal of l–I covalent and secondary bond limits. Dalton Transactions, 2022, 51, 10728-10739.	3.3	4
2090	Dichlorine-containing chlorobismuthate(<scp>iii</scp>) supramolecular hybrid: structure and experimental studies of stability. CrystEngComm, 2022, 24, 3150-3152.	2.6	3
2091	Theoretical treatment of IO–X (X = N ₂ , CO, CO ₂ , H ₂ O) complexes. Physical Chemistry Chemical Physics, 2022, 24, 7203-7213.	2.8	0
2092	From weak to strong interactions: structural and electron topology analysis of the continuum from the supramolecular chalcogen bonding to covalent bonds. Physical Chemistry Chemical Physics, 2022, 24, 8251-8259.	2.8	15
2093	Combined crystallographic and computational investigation of the solvent disorder present in a new tipiracil hydrochloride methanol solvate–hydrate. CrystEngComm, 0, , .	2.6	1

#	Article	IF	CITATIONS
2094	Halogen-bonded halogen(I) ion complexes. , 2023, , 586-601.		9
2095	Static discrete disorder in the crystal structure of iododiflunisal: on the importance of hydrogen bond, halogen bond and ï€-stacking interactions. CrystEngComm, 0, , .	2.6	3
2096	High-Field Magnetoelectric and Spin-Phonon Coupling in Multiferroic (NH ₄) ₂ [FeCl ₅ ·(H ₂ O)]. Inorganic Chemistry, 2022, 61, 3434-3442.	4.0	3
2097	Diaryliodoniums as Hybrid Hydrogen- and Halogen-Bond-Donating Organocatalysts for the Groebke–Blackburn–Bienaymé Reaction. Journal of Organic Chemistry, 2022, 87, 4569-4579.	3.2	27
2098	A High Energy Density Bromine-Based Flow Battery with Two-Electron Transfer. ACS Energy Letters, 2022, 7, 1034-1039.	17.4	15
2099	The Phosphorus Bond, or the Phosphorus-Centered Pnictogen Bond: The Covalently Bound Phosphorus Atom in Molecular Entities and Crystals as a Pnictogen Bond Donor. Molecules, 2022, 27, 1487.	3.8	17
2100	Malonaldehyde-like Systems: BeF2 Clusters—A Subtle Balance between Hydrogen Bonds, Beryllium Bonds, and Resonance. Sci, 2022, 4, 7.	3.0	0
2101	Halogens in Seaweeds: Biological and Environmental Significance. Phycology, 2022, 2, 132-171.	3.6	12
2102	Intermolecular Interactions and Spectroscopic Signatures of the Hydrogen-Bonded System—n-Octanol in Experimental and Theoretical Studies. Molecules, 2022, 27, 1225.	3.8	1
2103	Anticancer Activities of Marine-Derived Phenolic Compounds and Their Derivatives. Molecules, 2022, 27, 1449.	3.8	21
2104	Zn(II) and Co(II) 3D Coordination Polymers Based on 2-lodoterephtalic Acid and 1,2-bis(4-pyridyl)ethane: Structures and Sorption Properties. Molecules, 2022, 27, 1305.	3.8	5
2105	ä,‰äºšè⊂åŠå¶åø"®åøæ™¶ä½"的螺旋结构和è¶é•¿å¯¿å¼⁄2宿,©ç£•å‰. Scientia Sinica Chimica, 20)22,4, .	0
2106	Halogen bonding and rotational disorder in chlorine clathrate hydrate cages. Journal of Chemical Physics, 2022, 156, 124302.	3.0	0
2107	Anticooperativity of Multiple Halogen Bonds and Its Effect on Stoichiometry of Cocrystals of Perfluorinated Iodobenzenes. Crystal Growth and Design, 2022, 22, 2644-2653.	3.0	14
2108	Giant Supramolecular Synthons via Cyclic Halogen··A·Halogen Contacts in Substituted <i>o</i> -Xylenes. Crystal Growth and Design, 2022, 22, 2318-2327.	3.0	5
2109	Direct S _N 2 or S _N 2X Manifold─Mechanistic Study of Ion-Pair-Catalyzed Carbon(sp ³)–Carbon(sp ³) Bond Formation. Journal of Organic Chemistry, 2022, 87, 4029-4039.	3.2	1
2110	QUAM-AFM: A Free Database for Molecular Identification by Atomic Force Microscopy. Journal of Chemical Information and Modeling, 2022, 62, 1214-1223.	5.4	8
2111	Synthesis of Thiosemicarbazones and Their Organoiodine Cocrystals: Cooperative Effects of Halogen and Hydrogen Bonding. Journal of Chemical Crystallography, 2022, 52, 512-524.	1.1	1

#	Article	IF	CITATIONS
2112	The effect of <scp>offâ€center</scp> Ïfâ€hole on the <scp>atomâ€centered</scp> partial charges in halogenated molecules. Journal of Computational Chemistry, 2022, 43, 864-869.	3.3	0
2113	Pattern of covalent and nonâ€covalent interactions within the pentaiodide anion in the structure of (3â€HOC ₅ H ₉ NH ₂)I ₅ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 0, , .	1.2	3
2114	Synthesis of Polysubstituted Ferrocenesulfoxides. Molecules, 2022, 27, 1798.	3.8	4
2115	Crystal structure, Hirshfeld surface analysis and contact enrichment ratios of 5,5-dimethyl-2-(2,4,6-tris(trifluoromethyl)phenyl)-1,3,2-dioxaborinane. Molecular Crystals and Liquid Crystals, 0, , 1-12.	0.9	2
2116	Solvent Coadsorption Effect on I···O Halogen-Bonded 2D Self-Assembled Nanostructures. Journal of Physical Chemistry C, 2022, 126, 5777-5783.	3.1	11
2117	Cold photo-carving of halogen-bonded co-crystals of a dye and a volatile co-former using visible light. Nature Chemistry, 2022, 14, 574-581.	13.6	17
2118	The Nitrogen Bond, or the Nitrogen-Centered Pnictogen Bond: The Covalently Bound Nitrogen Atom in Molecular Entities and Crystals as a Pnictogen Bond Donor. Compounds, 2022, 2, 80-110.	1.9	20
2119	Ϊƒ-Hole and LP-Hole Interactions of Pnicogen···Pnicogen Homodimers under the External Electric Field Effect: A Quantum Mechanical Study. ACS Omega, 2022, 7, 11264-11275.	3.5	2
2120	Halogenated Baicalein as a Promising Antiviral Agent toward SARS-CoV-2 Main Protease. Journal of Chemical Information and Modeling, 2022, 62, 1498-1509.	5.4	30
2121	Strongly Bound Ï€â€Hole Tetrel Bonded Complexes between H ₂ SiO and Substituted Pyridines. Influence of Substituents. ChemPhysChem, 2022, 23, .	2.1	8
2122	Synthesis of [2+2] Schiff base macrocycles by a solvent templating strategy and halogen bonding directed assembly. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 0, , 1.	1.6	2
2123	Initial Coupling and Reaction Progression of Directly Deposited Biradical Graphene Nanoribbon Monomers on Iodine-Passivated Versus Pristine Ag(111). Chemistry, 2022, 4, 259-269.	2.2	0
2124	Preparation and Characterization of the Halogen-Bonding Motif in the Isolated Cl [–] ·IOH Complex with Cryogenic Ion Vibrational Spectroscopy. Journal of Physical Chemistry Letters, 2022, 13, 2750-2756.	4.6	9
2125	Characterization of Type I and II Interactions between Halogen Atoms. Crystal Growth and Design, 2022, 22, 2692-2702.	3.0	16
2126	Two-dimensional three-body dipole-quadrupole interactions. Molecular Physics, 2022, 120, .	1.7	0
2127	lodine-Promoted Controlled and Selective Oxidation of (Aryl)(Heteroaryl)Methanes. Journal of Organic Chemistry, 2022, 87, 5424-5429.	3.2	6
2128	Aqueous Photocatalytic Recycling of Gold and Palladium from Waste Electronics and Catalysts. ACS ES&T Engineering, 2022, 2, 1445-1453.	7.6	11
2129	An Unprecedented Interconversion Between Nonâ€covalent and Covalent Interactions Driven by Halogen Bonding. ChemPhysChem, 2022, 23,	2.1	1

#	Article	IF	CITATIONS
2130	Monolayer-Protected Gold Nanoparticles Functionalized with Halogen Bonding Capability─An Avenue for Molecular Detection Schemes. Langmuir, 2022, 38, 4747-4762.	3.5	2
2131	Reassessing the Role of if Holes in Noncovalent Interactions: It is Pauli Repulsion that Counts. Frontiers in Chemistry, 2022, 10, 858946.	3.6	5
2132	Electronic and mechanical anharmonicities in the vibrational spectra of the H-bonded, cryogenically cooled Xâ^ · HOCl (X=Cl, Br, I) complexes: Characterization of the strong anionic H-bond to an acidic C group. Journal of Chemical Physics, 2022, 156, 174303.)Њ.о	11
2133	Intermolecular Halogen Bond Detected in Racemic and Optically Pure N-C Axially Chiral 3-(2-Halophenyl)quinazoline-4-thione Derivatives. Molecules, 2022, 27, 2369.	3.8	3
2134	Hit Expansion of a Noncovalent SARS-CoV-2 Main Protease Inhibitor. ACS Pharmacology and Translational Science, 2022, 5, 255-265.	4.9	17
2135	Toward Density-Based and Simultaneous Description of Chemical Bonding and Noncovalent Interactions with Pauli Energy. Journal of Physical Chemistry A, 2022, 126, 2437-2444.	2.5	14
2136	Revealing Intra- and Intermolecular Interactions Determining Physico-Chemical Features of Selected Quinolone Carboxylic Acid Derivatives. Molecules, 2022, 27, 2299.	3.8	0
2137	Fluorinated Azaacenes: Efficient Syntheses, Structures, and Electrochemical Properties. Journal of Fluorine Chemistry, 2022, 257-258, 109960.	1.7	0
2138	Passivating defects via 4-cyanobenzenaminium iodide enables 22.44% efficiency perovskite solar cells. Electrochimica Acta, 2022, 413, 140172.	5.2	12
2139	DFT studies on electrochemical properties of halide ions doped GDY-28 nanoflake for Na-ion battery applications. Materials Science in Semiconductor Processing, 2022, 145, 106651.	4.0	5
2140	Mediating iodine cathodes with robust directional halogen bond interactions for highly stable rechargeable Zn-12 batteries. Chemical Engineering Journal, 2022, 439, 135676.	12.7	28
2141	Supramer analysis of 2,3,5-tri-O-benzoyl-α-d-arabinofuranosyl bromide solutions in different solvents: supramolecular aggregation of solute molecules in 1,2-dichloroethane mediated by halogen bonds. Russian Chemical Bulletin, 2021, 70, 2214-2219.	1.5	9
2142	lodine–lodine Interactions Suppressing Phase Transitions of 2D Layered Hybrid (I-(CH ₂) _{<i>n</i>} -NH ₃) ₂ PbI ₄ (<i>n</i> =) Tj ETQ	q @.0 0 rgE	3T1/Overlock
2143	Pentamethylcyclopentadienyl Molybdenum(V) Complexes Derived from Iodoanilines: Synthesis, Structure, and ROP of Îμ-Caprolactone. Catalysts, 2021, 11, 1554.	3.5	2
2144	Deformations of cyclodextrins and their influence to form inclusion compounds. International Journal of Quantum Chemistry, 2022, 122, .	2.0	2
2145	M ^{II} ···Cl Interaction Supported Heterometallic {Ni ^{II} Sn ^{II} }{Sn <supiii< sup="">}{Sn<supiii< sup}{s<="" sup}{sn<supiii<="" td=""><td>3.0</td><td>3</td></supiii<></supiii<>	3.0	3
2146	Molecular Recognition and Shape Studies of 3- and 4-Substituted Diarylamide Quasiracemates. Crystals, 2021, 11, 1596.	2.2	1
2147	Three types of noncovalent interactions studied between pyrazine and XF. Journal of Molecular Modeling, 2022, 28, 15.	1.8	1

#	Article	IF	CITATIONS
2148	Stimuli Responsive Materials Supported by Orthogonal Hydrogen and Halogen Bonding or I··ÂAlkene Interaction. Molecules, 2021, 26, 7586.	3.8	2
2149	â€~Aggregation-Induced Emission' Active Mono-Cyclometalated Iridium(III) Complex Mediated Efficient Vapor-Phase Detection of Dichloromethane. Molecules, 2022, 27, 202.	3.8	7
2151	Nature of Câ^'lâ‹â‹â< Halogen Bonding and its Role in Organocatalysis. European Journal of Organic Chemistry, 2021, 2021, 6102-6110.	2.4	8
2153	Inorganic–organic {d _{<i>z</i>²} -M ^{II} S ₄ }â‹'Ï€-hole stacking in reverse sandwich structures: the case of cocrystals of group 10 metal dithiocarbamates with electron-deficient arenes. Inorganic Chemistry Frontiers, 2022, 9, 2869-2879.	6.0	9
2154	The Photochemical Activity of a Halogen-Bonded Complex Enables the Microfluidic Light-Driven Alkylation of Phenols. Organic Letters, 2022, 24, 2961-2966.	4.6	22
2156	5-{[4-(Dimethylamino)phenyl]ethynyl}pyrimidine–1,2,3,5-tetrafluoro-4,6-diiodobenzene (1/2). IUCrData, 2022, 7, .	0.3	0
2157	Structural Insights into the Mechanism of High-Affinity Binding of Ochratoxin A by a DNA Aptamer. Journal of the American Chemical Society, 2022, 144, 7731-7740.	13.7	36
2158	Insight into structural features and supramolecular architecture of synthesized quinoxaline derivatives with anti-leishmanial activity, in vitro. Journal of Molecular Structure, 2022, 1263, 133107.	3.6	2
2159	Metal Coordination Enhances Chalcogen Bonds: CSD Survey and Theoretical Calculations. International Journal of Molecular Sciences, 2022, 23, 4188.	4.1	13
2160	Lewis Acids and Heteropoly Acids in the Synthesis of Organic Peroxides. Pharmaceuticals, 2022, 15, 472.	3.8	8
2161	Probing the Electronic Properties and Interaction Landscapes in a Series of <i>N</i> -(Chlorophenyl)pyridinecarboxamides. Crystal Growth and Design, 2022, 22, 3343-3358.	3.0	2
2163	Halogen-bond-assisted radical activation of glycosyl donors enables mild and stereoconvergent 1,2-cis-glycosylation. Nature Chemistry, 2022, 14, 686-694.	13.6	59
2164	Chalcogen bonding in coordination chemistry. Coordination Chemistry Reviews, 2022, 464, 214556.	18.8	61
2165	Organic small molecule-based photothermal agents for cancer therapy: Design strategies from single-molecule optimization to synergistic enhancement. Coordination Chemistry Reviews, 2022, 464, 214564.	18.8	51
2170	Asymmetric Dehydrative Allylation Using Soft Ruthenium and Hard BrÃ,nsted Acid Combined Catalyst. Chemical Record, 2021, 21, 1385-1397.	5.8	7
2171	Steps towards a nature inspired inorganic crystal engineering. Dalton Transactions, 2022, , .	3.3	8
2173	Intramolecular chalcogen bonding to tune the molecular conformation of helical building blocks for a supramolecular helix. Chemical Communications, 2022, 58, 6461-6464.	4.1	7
2174	On the energetic stability of halogen bonds involving metals: implications in crystal engineering. CrystEngComm, 2022, 24, 4440-4446.	2.6	15

#	Article	IF	CITATIONS
2175	Halogen-bonded architectures of multivalent calix[4]arenes. CrystEngComm, 2022, 24, 3770-3777.	2.6	1
2176	Cooperative non-covalent interactions and synthetic feed as driving forces to structural diversity within organic co-crystals containing isosteric perhalobenzenes. CrystEngComm, 2022, 24, 3841-3845.	2.6	3
2177	Isolation of elusive cyclobutane ligands <i>via</i> a template-assisted photochemical [2 + 2] cycloaddition reaction and their utility in engineering crystalline solids. CrystEngComm, 2022, 24, 3993-4007.	2.6	11
2178	Expanding the toolbox of the coinage bond: adducts involving new gold(<scp>iii</scp>) derivatives and bioactive molecules. CrystEngComm, 2022, 24, 3846-3851.	2.6	8
2179	Reversible and irreversible functionalization of graphene. Theoretical and Computational Chemistry, 2022, , 157-189.	0.4	1
2180	Assessing the effects of covalent, dative and halogen bond on the electronic structure of selenoamide. New Journal of Chemistry, 0, , .	2.8	0
2181	Modeling of Different Ordering Schemes for Halogen-Functionalized Molecules with Triazine and Benzene Core. Journal of Physical Chemistry C, 2022, 126, 8079-8089.	3.1	5
2182	Reactant-induced photoactivation of in situ generated organogold intermediates leading to alkynylated indoles via Csp2-Csp cross-coupling. Nature Communications, 2022, 13, 2295.	12.8	12
2183	Synthesis and application of monofluoroalkyl building blocks αâ€haloâ€Î±â€fluoro ketones. European Journal of Organic Chemistry, 0, , .	2.4	0
2184	<i>N</i> -lodosaccharin–pyridine co-crystal system under pressure: experimental evidence of reversible twinning. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2022, 78, 436-449.	1.1	2
2185	The Stibium Bond or the Antimony-Centered Pnictogen Bond: The Covalently Bound Antimony Atom in Molecular Entities in Crystal Lattices as a Pnictogen Bond Donor. International Journal of Molecular Sciences, 2022, 23, 4674.	4.1	10
2186	Precisely translating computed tomography diagnosis accuracy into therapeutic intervention by a carbon-iodine conjugated polymer. Nature Communications, 2022, 13, 2625.	12.8	9
2187	Ortho-halogen effects: n→π* interactions, halogen bonding, and deciphering chiral attributes in N-aryl glycine peptoid foldamers. Journal of Molecular Structure, 2022, 1264, 133276.	3.6	2
2188	Clustering and halogen effects enabled red/near-infrared room temperature phosphorescence from aliphatic cyclic imides. Nature Communications, 2022, 13, 2658.	12.8	92
2189	External Electric Field Effect on the Strength of σ-Hole Interactions: A Theoretical Perspective in Likeâ⊄Like Carbon-Containing Complexes. Molecules, 2022, 27, 2963.	3.8	4
2190	Weaving a 2D net of hydrogen and halogen bonds: cocrystal of a pyrazolium bromide with tetrafluorodiiodobenzene. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 324-331.	0.5	0
2191	Chalcogen and Hydrogen Bonds at the Periphery of Arylhydrazone Metal Complexes. Crystal Growth and Design, 2022, 22, 3932-3940.	3.0	12
2192	Understanding the phase and solvation behavior of fluorinated ionic liquids. Journal of Molecular Liquids, 2022, 359, 119285.	4.9	8

#	Article	IF	Citations
2193	Stabilization of supramolecular network of fluconazole drug polyiodide: Synthesis, computational and spectroscopic studies. Journal of Molecular Structure, 2022, 1263, 133192.	3.6	9
2194	Noncovalent interactions in proteins and nucleic acids: beyond hydrogen bonding and ï€-stacking. Chemical Society Reviews, 2022, 51, 4261-4286.	38.1	57
2195	Surface and Void Space Analysis of the Crystal Structures of Two Lithium Bis(pentafluoroethanesulfonyl)imide Salts. Crystals, 2022, 12, 701.	2.2	1
2196	Halogen-Bonded Cocrystals of 1,3,5-Triiodo-2,4,6-trifluorobenzene and Structural Isomers of Benzoylpyridine. Crystal Growth and Design, 2022, 22, 3981-3989.	3.0	6
2197	Relationship between halogen-halogen interaction and electric conductivity in thiazolo[2,3-a]isoquinolin-7-ium triiodides. Journal of Molecular Structure, 2022, 1264, 133306.	3.6	1
2198	Transition Metal-Free Iodine-Catalyzed Denitrative C–S Cross-Coupling: An Atypical Route to Access Thiochromane Derivatives. Journal of Organic Chemistry, 2022, 87, 7536-7546.	3.2	9
2199	Supramolecular Assemblies Based on $\ddot{l}f$ -hole Interactions. , 2022, , 203-241.		1
2200	One-pot hydrothermal synthesis of a mononuclear cobalt(II) complex and an organic-inorganic supramolecular adduct: Structures, properties and hirshfeld surface analyses. Journal of Solid State Chemistry, 2022, 313, 123271.	2.9	19
2201	Importance of the Positively Charged Ïf-Hole in Crystal Engineering of Halogenated Polypeptoids. Journal of Physical Chemistry B, 2022, 126, 4152-4159.	2.6	9
2202	Bromine-rich tin(IV) halide complexes: Experimental and theoretical examination of Br···Br noncovalent interactions in crystalline state. Polyhedron, 2022, 222, 115912.	2.2	2
2203	\hat{I}^3 CDCoBr2 complexes as catalysts in sulfide oxidation and its reused. Sustainable Chemistry and Pharmacy, 2022, 28, 100712.	3.3	0
2204	Characterizing the n→π* interaction of pyridine with small ketones: a rotational study of pyridineâç acetone and pyridineâç 2-butanone. Physical Chemistry Chemical Physics, 2022, 24, 15484-15493.	2.8	5
2205	The Pnictogen Bond: The Covalently Bound Arsenic Atom in Molecular Entities in Crystals as a Pnictogen Bond Donor. Molecules, 2022, 27, 3421.	3.8	13
2206	Multifunctional Catalysts in the Asymmetric Mannich Reaction of Malononitrile with <i>N</i> -Phosphinoylimines: Coactivation by Halogen Bonding versus Hydrogen Bonding. Journal of Organic Chemistry, 2022, 87, 7422-7435.	3.2	4
2207	Experimental and theoretical investigation of hydrogen bonded supramolecular assemblies through water molecules in a copper(II)-EGTA complex. Journal of Molecular Structure, 2022, , 133400.	3.6	7
2208	A study of the crystal structures, supramolecular patterns and Hirshfeld surfaces of bromide salts of hypoxanthine and xanthine. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 652-659.	0.5	0
2209	Solid-state multinuclear magnetic resonance and X-ray crystallographic investigation of the phosphorusiodine halogen bond in a bis(dicyclohexylphenylphosphine)(1,6-diiodoperfluorohexane) cocrystal. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2022, 78, 557-563.	1.1	1
2210	Characterization of Competing Halogen- and Hydrogen-Bonding Motifs in Simple Mixed Dimers of HCN and HX (X = F, Cl, Br, and I). Journal of Physical Chemistry A, 2022, 126, 3688-3695.	2.5	7

#	Article	IF	CITATIONS
2211	Regioselective difunctionalization of alkene: A simple access to haloether, haloesters and halohydrins. Tetrahedron Letters, 2022, 101, 153923.	1.4	3
2212	Crystal Engineering of Pharmaceutical Cocrystals in the Discovery and Development of Improved Drugs. Chemical Reviews, 2022, 122, 11514-11603.	47.7	164
2213	Rational Computational Design of Systems Exhibiting Strong Halogen Bonding Involving Fluorine in Bicyclic Diamine Derivatives. Journal of Organic Chemistry, 2022, 87, 8413-8419.	3.2	2
2214	Structural-property relationship in halogen-bonded Schiff base derivative: Crystal structure, computational and SARS-CoV-2 docking studies. Journal of Molecular Structure, 2022, 1265, 133409.	3.6	6
2215	Insight on noncovalent interactions and orbital constructs in low-dimensional antimony halide perovskites. Physical Chemistry Chemical Physics, 2022, 24, 15305-15320.	2.8	1
2216	Halogen bond-directed self-assembly in bicomponent blends at the solid/liquid interface: Effect of the alkyl chain substitution position. Physical Chemistry Chemical Physics, 0, , .	2.8	5
2217	An accurate vibrational signature in halogen bonded molecular crystals. Physical Chemistry Chemical Physics, 2022, 24, 15103-15109.	2.8	0
2218	Heterobimetallic μ < sub>2 < /sub>-Halocarbyne complexes. Dalton Transactions, 0, , .	3.3	4
2219	DI- AND TETRAIODOXYLENES: STRUCTURE AND FEATURES OF NON-COVALENT INTERACTIONS IN A SOLID STATE. Journal of Structural Chemistry, 2022, 63, 620-625.	1.0	2
2220	Multicomponent Crystals with Competing Intermolecular Interactions: In Situ Xâ€ray Diffraction and Luminescent Features Reveal Multimolecular Assembly of Mechanochemical Conditions. Angewandte Chemie, 0, , .	2.0	2
2221	Recent Progress in Azopyridine-Containing Supramolecular Assembly: From Photoresponsive Liquid Crystals to Light-Driven Devices. Molecules, 2022, 27, 3977.	3.8	9
2222	Emergence of Elastic Properties in a Minimalist Resilinâ€Derived Heptapeptide upon Bromination. Small, 2022, 18, .	10.0	5
2223	Spin State of the Cobalt(II) Complex with N,N'-Disubstituted 2,6-Bis(pyrazol-3-yl)pyridine. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2022, 48, 344-352.	1.0	0
2224	The Relevance of Experimental Charge Density Analysis in Unraveling Noncovalent Interactions in Molecular Crystals. Molecules, 2022, 27, 3690.	3.8	14
2225	Cluster Compounds with Oxidised, Hexanuclear [Nb ₆ Cl ⁱ ₁₂ I ^a ₆] ^{<i>n</i> â^'} Anions (<i>n</i> =2 or 3). ChemistryOpen, 2022, 11,	1.9	1
2226	Prediction of Crystal Structures and Mechanical Properties for Brittle, Plastic, and Elastic Polymorphs of 4-Bromophenyl 4-Bromobenzoate. Crystal Growth and Design, 2022, 22, 4546-4558.	3.0	3
2227	A Pyridine-Based Donor–Acceptor Molecule: A Highly Reactive Organophotocatalyst That Enables the Reductive Cleavage of C–Br Bonds through Halogen Bonding. ACS Catalysis, 2022, 12, 7843-7849.	11.2	20
2228	Enhanced Reactivity for Aromatic Bromination via Halogen Bonding with Lactic Acid Derivatives. Journal of Organic Chemistry, 2022, 87, 8492-8502.	3.2	7

#	Article	IF	CITATIONS
2229	Multicomponent Crystals with Competing Intermolecular Interactions: In Situ Xâ€ray Diffraction and Luminescent Features Reveal Multimolecular Assembly under Mechanochemical Conditions. Angewandte Chemie - International Edition, 2022, 61, .	13.8	6
2230	Aging resistant, fluorinated aromatic polymers with ladderized, rigid kink-structured backbones for gas separations. Journal of Membrane Science, 2022, 659, 120764.	8.2	7
2231	Extensive Analyses on Expanding the Scope of Acid–Aminopyrimidine Synthons for the Design of Molecular Solids. Crystal Growth and Design, 2022, 22, 4316-4331.	3.0	7
2232	Structural and theoretical exploring of noncovalent interactions in Chlorido- and Nitrito-rhenium(I) tricarbonyl complexes bearing 2,3-Butadiene-bis(2-nitrobenzylidene)hydrazine Ligand: Intramolecular Re–κ1-endo-ONO(lone pair)…π*(C O) interaction. Inorganica Chimica Acta, 2022, 540, 121049.	2.4	0
2233	Nature of hydrogen-bond-enhanced halogen bonding viewed through electron density changes. Physical Chemistry Chemical Physics, 2022, 24, 17951-17955.	2.8	2
2234	The Block-Localized Wavefunction (BLW) Method and Its Applications. , 2024, , 481-500.		0
2235	Understanding the n → ï€* non-covalent interaction using different experimental and theoretical approaches. Physical Chemistry Chemical Physics, 0, , .	2.8	6
2236	Flexible organic crystals. Understanding the tractable co-existence of elastic and plastic bending. Chemical Science, 2022, 13, 8989-9003.	7.4	17
2237	Intermolecular interactions. , 2022, , 147-177.		0
2238	Assembling Photoactive Materials From Polycyclic Aromatic Hydrocarbons (PAHs): Room Temperature Phosphorescence and Excimer-Emission in Co-Crystals with 1,4-Diiodotetrafluorobenzene. CrystEngComm, 0, , .	2.6	2
2239	TRIIODIDE SALTS OF 4-DIMETHYLAMINO- AND 3-BROMO-1-METHYLPYRIDINIUM: CRYSTAL STRUCTURES AND FEATURES OF NON-COVALENT Iâ<ī INTERACTIONS IN SOLIDS. Journal of Structural Chemistry, 2022, 63, 988-995.	1.0	1
2240	Substrate-Selective Intermolecular Interaction and the Molecular Self-Assemblies: 1,3,5-Tris(4-bromophenyl)benzene Molecules on the Ag(111) and Si(111) (â^š3 × â^š3)-Ag Surfaces. Langmuir, 2022, 38, 8881-8889.	3.5	2
2241	Gate Opening without Volume Change Triggers Cooperative Gas Interactions, Underpins an Isotherm Step in Metal–Organic Frameworks. Inorganic Chemistry, 2022, 61, 10810-10821.	4.0	2
2242	Reversible Complexation Mediated Living Radical Polymerization Using Tetraalkylammonium Chloride Catalysts. Macromolecular Rapid Communications, 2022, 43, .	3.9	2
2243	An alkali-resistant metal–organic framework as halogen bond donor for efficient and selective removing of ReO4â^'/TcO4â^'. Environmental Science and Pollution Research, 2022, 29, 86815-86824.	5.3	2
2244	Synthesis of a Pyridone-Based Phthalimide Fleximer and Its Characterization and Supramolecular Property Evaluation. ACS Omega, 2022, 7, 24485-24497.	3.5	4
2245	Jâ€aggregation strategy of organic dyes for nearâ€infrared bioimaging and fluorescent imageâ€guided phototherapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2023, 15, .	6.1	11
2246	Bifurcated Halogen Bond-Driven Supramolecular Double Helices from 1,2-Dihalotetrafluorobenzene and 2,2′-Bi(1,8-naphthyridine). Crystals, 2022, 12, 937.	2.2	1

#	Article	IF	CITATIONS
2247	Solid phase-fabrication of magnetically separable Fe3O4@graphene nanoplatelets nanocomposite for efficient removal of NSAIDs from wastewater. Perception of adsorption kinetics, thermodynamics, and extra-thermodynamics. Analytica Chimica Acta, 2022, 1223, 340158.	5.4	14
2248	Electrochemical, Photophysical, Morphological and DFT Study of Polymorphic Sn(IV)â€Porphyrins Containing Fluorinated Axial Ligand. Chemistry - an Asian Journal, 2022, 17, .	3.3	4
2249	How Halogenation Impacts the Polymer Backbone Conformation: Learning from Combination of Solid‣tate MAS NMR and Xâ€Ray Scattering. Advanced Functional Materials, 2022, 32, .	14.9	4
2250	Dual Cooperatively Grown Jâ€aggregates with Different Nucleus Size. Angewandte Chemie, 2022, 134, .	2.0	2
2251	Dual Cooperatively Grown Jâ€aggregates with Different Nucleus Size. Angewandte Chemie - International Edition, 2022, 61, .	13.8	6
2252	Polymerâ€Bound Halogen Bonding Organocatalysis**. European Journal of Organic Chemistry, 2022, 2022, .	2.4	1
2253	Stereoselective Processes Based on lf -Hole Interactions. Molecules, 2022, 27, 4625.	3.8	8
2254	Investigations on thermotropic hydrogen bond liquid crystals. Molecular Crystals and Liquid Crystals, 0, , 1-13.	0.9	0
2255	Discovery of Potent and Orally Bioavailable Pyridine N-Oxide-Based Factor XIa Inhibitors through Exploiting Nonclassical Interactions. Journal of Medicinal Chemistry, 2022, 65, 10419-10440.	6.4	3
2256	Thiazolium Salts as Chalcogen Bond Donors. Crystal Growth and Design, 2022, 22, 4987-4995.	3.0	8
2257	The Distance between Minima of Electron Density and Electrostatic Potential as a Measure of Halogen Bond Strength. Molecules, 2022, 27, 4848.	3.8	7
2258	Noncovalent interactions in model molecular clusters containing the tetrel atoms Si and Ge. Molecular Physics, 0, , .	1.7	3
2259	A Pillar[5]areneâ€Based Smart Organogel with Effective Iodine Adsorption. Macromolecular Chemistry and Physics, 2022, 223, .	2.2	4
2260	Halogen Bond Motifs in Cocrystals of <i>N</i> , <i>N</i> , <i>O</i> and <i>N</i> , <i>O</i> , <i>O</i> , <i>O</i> Acceptors Derived from Diketones and Containing a Morpholine or Piperazine Moiety. Crystal Growth and Design, 2022, 22, 5135-5142.	3.0	4
2261	Pincer and Macrocyclic Pyridylidene Amide (PYA) Au ^{III} Complexes. Inorganic Chemistry, 2022, 61, 14038-14045.	4.0	4
2262	Adsorption analysis of ciprofloxacin and delafloxacin onto the corn cob derived-biochar under different pyrolysis conditions. Biomass Conversion and Biorefinery, 0, , .	4.6	2
2263	Chalcogen bond-guided conformational isomerization enables catalytic dynamic kinetic resolution of sulfoxides. Nature Communications, 2022, 13, .	12.8	19
2264	Noncovalent interactions between benzochalcogenadiazoles and nitrogen bases. Journal of Molecular Modeling, 2022, 28, .	1.8	4

#	Article	IF	CITATIONS
2265	The Pnictogen Bond, Together with Other Non-Covalent Interactions, in the Rational Design of One-, Two- and Three-Dimensional Organic-Inorganic Hybrid Metal Halide Perovskite Semiconducting Materials, and Beyond. International Journal of Molecular Sciences, 2022, 23, 8816.	4.1	11
2266	Recent advances in stereoselective 1,2-cis-O-glycosylations. Frontiers in Chemistry, 0, 10, .	3.6	14
2267	A bibliographic survey of the supramolecular architectures sustained by delocalised C–Iâ<⁻ï€(arene) interactions in metal-organic crystals. Zeitschrift Fur Kristallographie - Crystalline Materials, 2022, 237, 367-376.	0.8	1
2268	Construction and Characterization of a Diphase Two-Dimensional Halogen-Bonded Organic Framework Based on a Pyrene Derivative. Synlett, 2023, 34, 423-428.	1.8	4
2269	One-Pot Reductive Methylation of Nitro- and Amino-Substituted (Hetero)Aromatics with DMSO/HCOOH: Concise Synthesis of Fluorescent Dimethylamino-Functionalized Bibenzothiazole Ligands with Tunable Emission Color upon Complexation. Journal of Organic Chemistry, 2022, 87, 10613-10629.	3.2	5
2270	Crystal Structures of Organoselenium Compounds: Structural Descriptors for Chalcogen Bonds. Synthesis, 2023, 55, 297-306.	2.3	2
2271	Recognition in the Domain of Molecular Chirality: From Noncovalent Interactions to Separation of Enantiomers. Chemical Reviews, 2022, 122, 13235-13400.	47.7	77
2272	Overcoming Perovskite Corrosion and De-Doping Through Chemical Binding of Halogen Bonds Toward Efficient and Stable Perovskite Solar Cells. Nano-Micro Letters, 2022, 14, .	27.0	10
2273	The Importance of Electrostatics and Polarization for Noncovalent Interactions: Ionic Hydrogen Bonds vs Ionic Halogen Bonds. Journal of Molecular Modeling, 2022, 28, .	1.8	3
2274	Synthesis and crystallographic study of six quaternary salts of N-halomethylated and non-N-halomethylated ammonium: Importance of C-H‧‧‧X (X=F, I) and I‧‧Iâ^' halogen interactions supramolecular structures. Journal of Molecular Structure, 2023, 1271, 133962.	: inche	3
2275	Pd(II) Complexes with Pyridine Ligands: Substituent Effects on the NMR Data, Crystal Structures, and Catalytic Activity. Inorganic Chemistry, 2022, 61, 14019-14029.	4.0	6
2276	Direct detection of the crystal form of an active pharmaceutical ingredient in tablets by X-ray absorption fine structure spectroscopy. International Journal of Pharmaceutics, 2022, 625, 122057.	5.2	11
2277	Spectroscopic investigation of preferential solvation of N-confused tetraphenylporphyrinin binary mixtures of dichloromethane with organic cosolvents. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 283, 121718.	3.9	2
2278	Synthesis, Crystal Structure, and Some Transformations of 9,12-Dichloro-ortho-Carborane. Crystals, 2022, 12, 1251.	2.2	6
2279	Self-Assembly of Supramolecular Architectures Driven by σ-Hole Interactions: A Halogen-Bonded 2D Network Based on a Diiminedibromido Gold(III) Complex and Tribromide Building Blocks. Molecules, 2022, 27, 6289.	3.8	3
2280	Exploring the principles of self-healing polymers based on halogen bond interactions. , 0, 2, .		2
2281	Thermodynamics and Spectroscopy of Halogen- and Hydrogen-Bonded Complexes of Haloforms with Aromatic and Aliphatic Amines. Molecules, 2022, 27, 6124.	3.8	2
2282	Enhancing luminescence in the solid state and varying the luminescence colour by manipulating halogen interactions in furan-cyanovinyl derivatives. Dyes and Pigments, 2022, 207, 110698.	3.7	5

IF

CITATIONS

Molecular structure analysis of 4-fluoro phenyl(4-methyl piperidin-1-yl) methanone and a comparative study of its optical, antimicrobial and antioxidant activities with 4-chloro phenyl (4-methyl) Tj ETQq0 0 0 rgBT /Oversock 10 Tfc50 737 Td 2283 Synthesis, structural characterization, DNA interaction, dye adsorption properties and theoretical studies of copper (II) carboxylates. Journal of Molecular Structure, 2023, 1272, 134104. 2284 3.6 C H‧‧‧X (XÂ=ÂF, Cl) and Cl‧‧‧Cl halogen-mediated interactions driving the crystal packing in N-substituted 2285 9 4-arylimidazoles. Journal of Molecular Structure, 2023, 1272, 134181. $CBr < sub > 4 < /sub > catalyzed activation of <math>\hat{l} \pm \hat{l}^2$ -unsaturated ketones. Organic and Biomolecular Chemistry, 2.8 2022, 20, 7085-7091. CHAPTER 4. Difluoromethyl 2-Pyridyl Sulfone: A Versatile Reagent for the Synthesis of Organofluorine 2287 0 Compounds., 2022, , 113-145. Deciphering Câ \in Hâ<O/X weak hydrogen bonding and halogen bonding interactions in aromatic peptoids. New Journal of Chemistry, 0, , . 2288 2.8 The mechanism of intramolecular halogen bonding enhanced the quantum efficiency of ultralong 2289 organic phosphorescence in the aggregated state. Physical Chemistry Chemical Physics, 2022, 24, 2.8 8 22905-22917. Pushing the limits of the hydrogen bond enhanced halogen bond—the case of the C–H hydrogen bond. 2290 7.4 9 Chemical Science, 2022, 13, 11156-11162. The solid-state hierarchy and iodination potential of 2291 2.6 8 [bis(3-acetaminopyridine)iodine(<scp>i</scp>)]PF₆. CrystEngComm, 2022, 24, 7029-7033. <i>N</i>-Iodosuccinimide (NIS) Promoted Synthesis of 3-Substituted Indole Derivatives. Chinese Journal 1.3 of Organic Chemistry, 2022, 42, 2496. A new short synthesis route for favipiravir and its analogue: Their tautomerization behaviour. New 2293 3 2.8 Journal of Chemistry, 2022, 46, 18824-18831. From vibrational spectroscopy and quantum tunnelling to periodic band structures $\hat{a} \in$ self-supervised, all-purpose neural network approach to general quantum problems. Physical 2294 2.8 Chemistry Chemical Physics, 2022, 24, 25191-25202. Can second-order perturbation theory accurately predict electron density of open-shell molecules? 2295 2.8 3 The importance of self-consistency. Physical Chemistry Chemical Physics, 2022, 24, 19393-19400. <i>N</i>-Chlorobenzimidazoles as efficient and structurally diverse amphoteric halogen bond donors in crystal engineering. Chemical Communications, 2022, 58, 10825-10828. 2296 4.1 Polymorphism and isomorphism in <i>trans</i>-bis(2,5-diiodopyridine)dihalocopper(<scp>ii</scp>) 2297 2.8 1 complexes: theoretical and crystallographic studies. New Journal of Chemistry, 2022, 46, 19024-19035. Carbonyl hypoiodites from pivalic and trimesic acid and their silver(<scp>i</scp>) intermediates. 2298 Dalton Transactions, 2022, 51, 14646-14653. Co-crystallization studies of the <i>syn</i> and <i>anti</i> -atropisomers of triphenyl-based 2299 2.6 0 perfluorinated halogen bond donors with halides. CrystEngComm, 0, , . Promoting halogen-bonding catalyzed living radical polymerization through ion-pair strain. Chemical Science, 2022, 13, 11352-11359.

ARTICLE

#	Article	IF	CITATIONS
2301	The <i>N</i> , <i>N</i> , <i>N</i> -trimethylammonium moiety as tetrel bond donor site: crystallographic and computational studies. Physical Chemistry Chemical Physics, 2022, 24, 24892-24901.	2.8	2
2302	Unprecedented {d _{<i>z</i>²} -Cu ^{II} O ₄ }â< [–] i€-hole interactions: the case of a cocrystal of a Cu(<scp>ii</scp>) bis-β-diketonate complex with 1,4-diiodotetrafluoro-benzene. Chemical Communications, 2022, 58, 9524-9527.	4.1	3
2303	Halogen bond promoted aryl migration of allylic alcohols under visible light irradiation. Organic Chemistry Frontiers, 2022, 9, 5599-5605.	4.5	8
2304	Exploring the boundaries of ferrocenesulfonyl fluoride chemistry. Inorganic Chemistry Frontiers, 0, ,	6.0	0
2305	Uncovering the origins of supramolecular similarity in a series of benzimidazole structures. CrystEngComm, 2022, 24, 6600-6610.	2.6	3
2306	Structural systematics in isomorphous binary co-crystal solvates comprising $2,2\hat{a}\in^2$ -dithiodibenzoic acid, 4-halobenzoic acid and dimethylformamide ($1\hat{a}\in\infty:$	2.6	1
2307	Application of downflow hanging sponge reactor and biochar for water and wastewater treatment. , 2022, , 271-309.		0
2308	Isocyanide and Cyanide Entities Form Isostructural Halogen Bond-Based Supramolecular Networks Featuring Five-Center Tetrafurcated Halogen··A·C/N Bonding. Crystal Growth and Design, 2022, 22, 6079-6087.	3.0	8
2309	An I 6 2 â^' \${mathrm{I}}_{6}^{2-}\$ anion in the crystal structure of theophyllinium triiodide monohydrate, C ₇ H ₁₁ I ₃ N ₄ O ₃ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2022, .	0.3	0
2310	Dibenziodolium Salts as Halogen Bond Donor Catalysts for Reduction of Quinolines, Oneâ€Pot Reductive Amination, and Addition Reaction with Indoles. European Journal of Organic Chemistry, 0, , .	2.4	1
2311	Lowâ€Dimensional Organic Crystals: From Precise Synthesis to Advanced Applications. Small, 2022, 18, .	10.0	4
2312	Probing the Directionality of S··A·O/N Chalcogen Bond and Its Interplay with Weak C–H··A·O/N/S Hydrogen Bond Using Molecular Electrostatic Potential. Journal of Physical Chemistry B, 2022, 126, 7818-7832.	2.6	5
2313	Asymmetric Dehydrative Cyclization of Allyl Alcohol to Cyclic Ether Using Chiral BrÃ,nsted Acid/CpRu(II) Hybrid Catalysts: A DFT Study of the Origin of Enantioselectivity. Journal of Organic Chemistry, 2022, 87, 13062-13072.	3.2	0
2314	Rational Construction of Molecular Electron-Conducting Nanowires Encapsulated in a Proton-Conducting Matrix in a Charge Transfer Salt. Journal of the American Chemical Society, 2022, 144, 17149-17155.	13.7	7
2315	Control of 11-Aza:4-X-SalA Cocrystal Polymorphs Using Heteroseeds That Switch On/Off Halogen Bonding. Crystals, 2022, 12, 1368.	2.2	0
2316	Structural, vibrational and electronic properties of some tetrel-bonded complexes of the fluorinated methanes methyl fluoride, difluoromethane and fluoroform: an ab initio study. Journal of Molecular Modeling, 2022, 28, .	1.8	1
2317	Enhancing Effects of the Cyano Group on the C-Xâ^™â^™â^™N Hydrogen or Halogen Bond in Complexes of X-Cyanomethanes with Trimethyl Amine: CH3â^'n(CN)nXâ^™â^™â^™NMe3, (n = 0–3; X = H, Cl, Br, I). Internation Journal of Molecular Sciences, 2022, 23, 11289.	1 4 1	7
2318	C–H Insertion in Dirhodium Tetracarboxylate-Catalyzed Reactions despite Dynamical Tendencies toward Fragmentation: Implications for Reaction Efficiency and Catalyst Design. Journal of the American Chemical Society, 2022, 144, 17219-17231.	13.7	10

#	Article	IF	CITATIONS
2319	Halogen Bonding Involving Gold Nucleophiles in Different Oxidation States. Inorganic Chemistry, 2022, 61, 15398-15407.	4.0	13
2320	Stacking Interactions: A Supramolecular Approach to Upgrade Weak Halogen Bond Donors. Chemistry - A European Journal, 2022, 28, .	3.3	9
2321	sâ€Holes in Iodonium Ylides: Halogenâ€Bond Activation of Carboxylic Acids, Phenols and Thiophenols May Enable Their X–H Insertion Reactions. Chemistry - A European Journal, 0, , .	3.3	2
2322	Switchable Cycloadditions of Mesoionic Dipoles: Refreshing up a Regioselective Approach to Two Distinctive Heterocycles. Journal of Organic Chemistry, 2022, 87, 12854-12866.	3.2	0
2323	3Dâ€Printable Shapeâ€Memory Polymers Based on Halogen Bond Interactions. Advanced Functional Materials, 2022, 32, .	14.9	9
2324	Design and synthesis of novel quinazolinone-based derivatives as EGFR inhibitors with antitumor activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 2644-2659.	5.2	7
2325	Aryl Halides as Halogenation Reagents in the Bromination and Iodination of Arene-Tethered Diols. Organic Letters, 2022, 24, 6510-6514.	4.6	5
2326	Construction of Halogen-Bonded Organic Frameworks (XOFs) as Novel Efficient Iodinating Agents. ACS Applied Materials & Interfaces, 2022, 14, 43621-43627.	8.0	10
2327	The Halogen Bonding Proclivity of the sp ³ Sulfur Atom as a Halogen Bond Acceptor in Cocrystals of Tetrahydro-4 <i>H</i> -thiopyran-4-one and Its Derivatives. Crystal Growth and Design, 2022, 22, 5796-5801.	3.0	3
2328	Fluorine-Functionalized Covalent-Organic-Framework-Coated Stir Bar for the Extraction of Benzoylurea Insecticides in Pear Juice and Beverage Followed by High-Performance Liquid Chromatography–Ultraviolet Detection. Journal of Agricultural and Food Chemistry, 2022, 70, 12689-12699	5.2	10
2329	Implications of Coexistent Halogen and Hydrogen Bonds in Amorphous Solid Dispersions on Drug Solubility, Miscibility, and Mobility. Molecular Pharmaceutics, 2022, 19, 3959-3972.	4.6	4
2330	Conformational Trimorphism in an Ionic Cocrystal of Hesperetin. Crystal Growth and Design, 2022, 22, 6390-6397.	3.0	3
2331	-Comparison of σ/ Ï€-hole aerogen-bonding interactions based on C2H4··•NgOX2 (Ng = Kr, Xe; Xâ€% complexes. Journal of Molecular Modeling, 2022, 28, .	‰= F, 1.8	Cl, Br)
2332	Evolution of Brâ <td>12.8</td> <td>10</td>	12.8	10
2333	The synthesis, crystal structure and conformation analysis of triclopyr ethyl ester. Zeitschrift Fur Kristallographie - Crystalline Materials, 2022, 237, 385-391.	0.8	9
2334	Establishing Family Relations in Group 15 Halogenido Metalates with the Largest Molecular Antimony Iodide Anion. Chemistry - A European Journal, 2023, 29, .	3.3	6
2335	Chalcogen Bonds: How to Characterize Them in Solution?. ChemPhysChem, 2023, 24, .	2.1	7
2336	Energyâ€Efficient Iodine Uptake by a Molecular Hostâ‹Guest Crystal. Angewandte Chemie, 2022, 134,	2.0	0

Сітатіо	n Report	
Δρτιςι ε	IF	CITATIONS
	п	CHAHONS
Energyâ€Efficient Iodine Uptake by a Molecular Hostâ‹Guest Crystal. Angewandte Chemie - International Edition, 2022, 61, .	13.8	13
Passivation of poly-Si surface using vinyl and epoxy group additives for selective Si3N4 etching in H3PO4 solution. Applied Surface Science, 2023, 608, 155143.	6.1	2
lâ< [¬] N halogen bonding in 1 : 1 co-crystals formed between 1,4-diiodotetrafluorobenzene and the iso <i>n</i> -pyridinealdazines (<i>n</i> = 2, 3 and 4): assessment of supramolecular association and influence upon solid-state photoluminescence properties. CrystEngComm, 2022, 24, 7579-7591.	omeric 2.6	5
Green-solvent-processed formamidinium-based perovskite solar cells with uniform grain growth and strengthened interfacial contact <i>via</i> a nanostructured tin oxide layer. Materials Horizons, 2023, 10, 122-135.	12.2	18
Significance of molecular inorganic chemistry: Introductory notes. , 2022, , .		0
Self-assembly of Supramolecular Planar Macrocycle Driven by Intermolecular Halogen Bonding. Acta Chimica Sinica, 2022, 80, 1365.	1.4	0
A halogen bonding assembled hybrid copper halide framework as a promising hypotoxicity photodetector. Inorganic Chemistry Frontiers, 2022, 9, 6510-6516.	6.0	3
Influence of Clπ interactions on adsorption of chlorohydrocarbons of various structure on graphitized thermal carbon black from the gas phase. Russian Chemical Bulletin, 2022, 71, 1878-1886.	1.5	0
Bifurcated halogen bonds in the crystal structure of 2.2â€2-bi(1.8-naphthyridine)—1.4-dijodotetrafluorobenzene (1/1).		

2344	A halogen bonding assembled hybrid copper halide framework as a promising hypotoxicity photodetector. Inorganic Chemistry Frontiers, 2022, 9, 6510-6516.	6.0	3
2345	Influence of Clπ interactions on adsorption of chlorohydrocarbons of various structure on graphitized thermal carbon black from the gas phase. Russian Chemical Bulletin, 2022, 71, 1878-1886.	1.5	0
2346	Bifurcated halogen bonds in the crystal structure of 2,2′-bi(1,8-naphthyridine)—1,4-diiodotetrafluorobenzene (1/1), C ₂₂ H ₁₀ F ₄ I ₂ N ₄ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2022, 237, 1207-1209.	0.3	0
2347	Polarity-Dependent Twisted Intramolecular Charge Transfer in Diethylamino Coumarin Revealed by Ultrafast Spectroscopy. Chemosensors, 2022, 10, 411.	3.6	9
2348	Screening of a Halogen-Enriched Fragment Library Leads to Unconventional Binding Modes. Journal of Medicinal Chemistry, 2022, 65, 14539-14552.	6.4	7
2349	The First Uranyl Monoiodoacetate Complexes: Synthesis and Structure. Russian Journal of Inorganic Chemistry, 2022, 67, 1769-1775.	1.3	1
2351	Stereochemistry Controls Dihydrogen Bonding Strengths in Chiral Amine Boranes Adducts. Angewandte Chemie - International Edition, 2022, 61, .	13.8	2
2352	Rotationâ€Inversion Isomerization of Tertiary Carbamates: Potential Energy Surface Analysis of Multiâ€Paths Isomerization Using Boltzmann Statistics. ChemPhysChem, 2023, 24, .	2.1	1
2353	Hydrogen and halogen bonding to Au(I) fluorido complexes. European Journal of Inorganic Chemistry, 0, , .	2.0	4
2354	Structure-Guided Discovery of Potent Antifungals that Prevent Ras Signaling by Inhibiting Protein Farnesyltransferase. Journal of Medicinal Chemistry, 2022, 65, 13753-13770.	6.4	1
2355	Anionâ€Coordinationâ€Driven Assembly: From Discrete Supramolecular Selfâ€Assemblies to Functional Soft Materials. ChemPlusChem, 2022, 87, .	2.8	5
2356	Structural investigation of anionic cyclometalated Pt(II)-tetrabromocatecholate complexes: <i>quasi</i> -halogen bonding and elusive polymorphism at play. Journal of Coordination Chemistry, 0, 1-24	2.2	0

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2337

2340

2342

2343

#	ARTICLE Isolation and crystal and molecular structures of	IF	CITATIONS
2357	[(C ₅ H ₂ Br ₃) ₂ Fe], [(C ₅ HBr ₄) ₂ Fe] and [(C ₅ Br ₅)(C ₅ Br ₄ HgBr)Fe]. Acta Crystallographica Section C. Structural Chemistry, 2022, 78, 578-590.	0.5	1
2358	Stereochemistry Controls Dihydrogen Bonding Strengths in Chiral Amine Boranes Adducts. Angewandte Chemie, 0, , .	2.0	Ο
2359	[N···I···N] ⁺ Type Halogen-Bonding-Driven Supramolecular Helical Polymers with Modulated Chirality. ACS Nano, 2022, 16, 19220-19228.	14.6	8
2360	Face-Centered Cubic Silver Nanoclusters Consolidated with Tetradentate Formamidinate Ligands. Journal of the American Chemical Society, 2022, 144, 19365-19371.	13.7	10
2361	Effects of Lewis Basicity and Acidity on σ-Hole Interactions in Carbon-Bearing Complexes: A Comparative Ab Initio Study. International Journal of Molecular Sciences, 2022, 23, 13023.	4.1	3
2362	Matere Bonds vs. Multivalent Halogen and Chalcogen Bonds: Three Case Studies. Molecules, 2022, 27, 6597.	3.8	13
2363	Dynamic Covalent Michael Acceptors to Penetrate Cells: Thiolâ€Mediated Uptake with Tetrelâ€Centered Exchange Cascades, Assisted by Halogenâ€Bonding Switches. Angewandte Chemie, 0, , .	2.0	0
2364	Synthesis, crystal structure and Hirshfeld analysis of triphenylphosphine–(4-bromophenyl)borane. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 681-684.	0.5	0
2365	Quantitative insights into noncovalent interactions involving halogen and tetrel bonds in 2,4,6-trimethylpyrylium tetrafluoroborate. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 597-605.	0.5	1
2366	Dynamic Covalent Michael Acceptors to Penetrate Cells: Thiolâ€Mediated Uptake with Tetrelâ€Centered Exchange Cascades, Assisted by Halogenâ€Bonding Switches. Angewandte Chemie - International Edition, 0, , .	13.8	3
2367	Noncovalent Interactions in Halogenated Pyridinium Salts of the Weakly Coordinating Anion [Al(OTeF ₅) ₄] ^{â^'} . Chemistry - A European Journal, 2023, 29, .	3.3	2
2368	Structure-Directing Interplay between Tetrel and Halogen Bonding in Co-Crystal of Lead(II) Diethyldithiocarbamate with Tetraiodoethylene. International Journal of Molecular Sciences, 2022, 23, 11870.	4.1	1
2369	Structural Analysis of the Complex of Human Transthyretin with 3â€2,5â€2-Dichlorophenylanthranilic Acid at 1.5 à Resolution. Molecules, 2022, 27, 7206.	3.8	0
2370	Carbon-atom hybridization tunes the halogen-bond strength in the series of DABCO·C ₂ H _{2<i>n</i>} I ₂ (<i>n</i> Â= 0–2) cocrystals. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 591-596.	0.5	2
2371	Pnictogenâ€Bonding Catalysts, Compared to Tetrelâ€Bonding Catalysts: More Than Just Weak <i>Lewis</i> Acids. Helvetica Chimica Acta, 2022, 105, .	1.6	12
2372	Influence of Secondary Interactions on Structural Diversity between a Pair of Halogen-Bonded Co-Crystals Containing Isosteric Donors. Compounds, 2022, 2, 285-292.	1.9	2
2373	Synthesis, Anticancer and Antitubercular Properties of New Chalcones and Their Nitrogen-Containing Five-Membered Heterocyclic Hybrids Bearing Sulfonamide Moiety. International Journal of Molecular Sciences, 2022, 23, 12589.	4.1	8
2374	Role of the Solvent in the Reactivity of Bis-4-imidazoline-2-selone Derivatives toward I ₂ : An Experimental and Theoretical Approach. Journal of Organic Chemistry, 2022, 87, 15448-15465.	3.2	2

#	Article	IF	CITATIONS
2375	Unveiling Halogen-Bonding Interactions between a Pyridine-Functionalized Fluoroborate Dye and Perfluorohaloarenes with Fluorescence Spectroscopy. Journal of Organic Chemistry, 2022, 87, 15159-15165.	3.2	5
2376	Ultrasound-promoted three-component halogenation-azaheteroarylation of alkenes involving carbon-halogen and carbon-carbon bond formation. Tetrahedron Letters, 2022, 110, 154198.	1.4	2
2377	Structural, Theoretical Analysis, and Molecular Docking of Two Benzamide Isomers. Halogen Bonding and Its Role in the Diverse Ways of Coupling with Protein Residues. Chemical and Pharmaceutical Bulletin, 2022, 70, 782-790.	1.3	2
2378	Non-covalent bonds in group 1 and group 2 elements: the â€~alkalene bond'. Physical Chemistry Chemical Physics, 2022, 24, 28913-28922.	2.8	2
2379	Exploring the NCS-382 Scaffold for CaMKIIα Modulation: Synthesis, Biochemical Pharmacology, and Biophysical Characterization of Ph-HTBA as a Novel High-Affinity Brain-Penetrant Stabilizer of the CaMKIα Hub Domain. Journal of Medicinal Chemistry, 2022, 65, 15066-15084.	6.4	4
2380	A Simple Substitution on Thyroid Hormones Remarkably Alters the Regioselectivity of Deiodination by a Deiodinase Mimic. Chemistry - A European Journal, 2023, 29, .	3.3	1
2381	Silver Dependent Enantiodivergent Gold(I) Catalysed Asymmetric Intramolecular Hydroamination of Alkenes: A Theoretical Study. Catalysts, 2022, 12, 1392.	3.5	1
2382	Visibleâ€Lightâ€Switchable Telluriumâ€Based Chalcogen Bonding: Photocontrolled Anion Binding and Anion Abstraction Catalysis. Angewandte Chemie, 0, , .	2.0	0
2383	Development of Self-Healing Carbon/Epoxy Composites with Optimized PAN/PVDF Core–Shell Nanofibers as Healing Carriers. ACS Omega, 2022, 7, 42396-42407.	3.5	3
2384	Switching Over of the Chemoselectivity: I ₂ -DMSO-Enabled α,α-Dichlorination of Functionalized Methyl Ketones. Journal of Organic Chemistry, 2022, 87, 15101-15113.	3.2	4
2385	A Crosslinked Ionic Organic Framework for Efficient Iodine and Iodide Remediation in Water. Angewandte Chemie, 0, , .	2.0	0
2386	Chalcogen Bond as a Factor Stabilizing Ligand Conformation in the Binding Pocket of Carbonic Anhydrase IX Receptor Mimic. International Journal of Molecular Sciences, 2022, 23, 13701.	4.1	7
2387	Visibleâ€Lightâ€Switchable Telluriumâ€Based Chalcogen Bonding: Photocontrolled Anion Binding and Anion Abstraction Catalysis. Angewandte Chemie - International Edition, 2023, 62, .	13.8	10
2388	A Crosslinked Ionic Organic Framework for Efficient Iodine and Iodide Remediation in Water. Angewandte Chemie - International Edition, 2022, 61, .	13.8	17
2389	Microwave Assisted Esterification of Aryl/Alkyl Acids Catalyzed by N-Fluorobenzenesulfonimide. Catalysts, 2022, 12, 1413.	3.5	0
2390	Computationally rational design of metalâ€involving halogen bonds with ï€â€€ovalency: Structures and bonding analysis. Journal of Computational Chemistry, 0, , .	3.3	0
2391	Bending properties in the 4-halobenzonitrile crystals and C–halogenN[triple-bond]C halogen bonds. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 693-701.	0.5	2
2392	Halogen, chalcogen, and hydrogen bonding in organoiodine cocrystals of heterocyclic thiones: imidazolidine-2-thione, 2-mercaptobenzimidazole, 2-mercapto-5-methylbenzimidazole, 2-mercaptobenzoxazole, and 2-mercaptobenzothiazole. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 702-715.	0.5	3

ARTICLE IF CITATIONS Adding functions to pyridines. Science, 2022, 378, 710-711. 2393 12.6 5 Stereoisomeric engineering of aggregation-induced emission photosensitizers towards fungal killing. 2394 12.8 Nature Communications, 2022, 13, . Bifunctional additive 2-amino-3-hydroxypyridine for stable and high-efficiency tin–lead perovskite 2396 5.55 solar cells. Journal of Materials Chemistry C, 2022, 11, 151-160. Ordering of monomers, dimers and polymers of deposited Br₂1₂Py molecules: a modeling study. Physical Chemistry Chemical Physics, 0, , . Electronic properties and supramolecular study of selenoureas with fluorinated-NHC ligands derived 2398 2.8 1 from imidazo[1,5-<i>a</i>]pyridines. New Journal of Chemistry, 2023, 47, 2090-2095. Exploration of Clâ \leftarrow Cl and Ï \in â \leftarrow Ï \in stacking contacts along with the conductivity properties of a Cu-MOF featured with paddle-wheel SBUs. CrystEngComm, 2023, 25, 813-821. 2399 2.6 Photoinduced halogen-bonding enabled synthesis of oxindoles and isoindolinones from aryl iodides. 2400 2.8 2 Organic and Biomolecular Chemistry, 2023, 21, 715-718. Cu(<scp>ii</scp>) 3,5-diiodosalicylate complexes: precursor-dependent formation of mono-, di-, tri- and 2401 2.6 tetranuclear compounds and 1D coordination polymers. CrystEngComm, 2022, 25, 130-136. Supramolecular patterns in the crystal structures of 1,3,5-trisubstituted 2,4,6-triethylbenzenes 2402 2.6 0 bearing halogenophenoxy groups. CrystEngComm, 2022, 25, 137-153. $<i>N</i>-Haloimide-enabled halogenation<math><i>via</i>halogen-bond-assisted Câ \in Cactivation of alkanols.$ 2403 Green Chemistry, 2023, 25, 221-228. Photochemical halogen-bonding assisted generation of vinyl and sulfur-centered radicals: stereoselective catalyst-free C(sp²)â€"S bond forming reactions. Chemical Science, 2023, 14, 2404 7.4 15 650-657. Crystal structures of 5-bromo-1-arylpyrazoles and their halogen bonding features. CrystEngComm, 2.6 2022, 25, 86-94. Mercury (II) complex based on quinoxaline–aminoantipyrine: Synthesis, crystal structure, 2406 computational studies and anticancer activities evaluation. Journal of Molecular Structure, 2023, 3.6 2 1275, 134607. Digitization of the electron shell <i>via</i> the localized orbital locator formalism: trends in the size and electronegativity changes of atoms across the periodic table. Physical Chemistry Chemical Physics, 2022, 24, 28127-28133. 2407 2.8 2408 Supramolecular control in hybrid perovskite photovoltaics. Photochemistry, 2022, , 346-370. 0.2 0 Solution and solid-state studies of hydrogen and halogen bonding with N-heterocyclic carbene 2409 supported nickel(II) fluoride complexes. Faraday Discussions, 0, , Constructing a Stable and Efficient Buried Heterojunction via Halogen Bonding for Inverted 2410 19.5 27 Perovskite Solar Cells. Advanced Energy Materials, 2023, 13, . Robust Supramolecular Dimers Derived from Benzylic-Substituted 1,2,4-Selenodiazolium Salts 2411 4.1 Featuring Seleniumâ<ī€ Chalcogen Bonding. International Journal of Molecular Sciences, 2022, 23, 14973.

#	Article	IF	CITATIONS
2412	Enhanced Optoelectronic Performances of the Cocrystals between 2,2′-Bi(1,8-naphthyridine) and Iodine through Strong Halogen Bonds. Crystal Growth and Design, 2022, 22, 6863-6869.	3.0	3
2413	Stabilizing Halogen-Bonded Complex between Metallic Anion and Iodide. Molecules, 2022, 27, 8069.	3.8	3
2414	Discovering the Site-Selective Umpolung of Ketones triggered by Hypervalent Fluoro Iodanes – Why Investigating Side Reactions Matters!. Synlett, 0, , .	1.8	1
2415	Predicting Blood–Brain Barrier Permeation of Erlotinib and JCN037 by Molecular Simulation. Journal of Membrane Biology, 2023, 256, 147-157.	2.1	1
2416	Controlled Halogen-Bond-Involving Assembly of Double-σ-Hole-Donating Diaryliodonium Cations and Ditopic Arene Sulfonates. Crystal Growth and Design, 2023, 23, 413-423.	3.0	2
2417	Model for self-assembly of Br–H and Br–Br bonded Br4Py molecules. Lithuanian Journal of Physics, 2022, 62, .	0.4	1
2418	The synergism of sequential paired electrosynthesis with halogen bonding activation for the cyclization of organochlorides with olefins. Science China Chemistry, 2023, 66, 540-547.	8.2	17
2419	Shedding Light on the Vibrational Signatures in Halogenâ€Bonded Graphitic Carbon Nitride Building Blocks. ChemPhysChem, 2023, 24, .	2.1	1
2420	Preferred Geometry and Nature of NO ₂ ···NO ₂ Interactions: A Statistical Survey and Theoretical Study. Crystal Growth and Design, 2023, 23, 442-449.	3.0	5
2421	Substituent Effect and Its Halogenâ€Atom Dependence of Halogen Bonding Viewed through Electron Density Changes. Chemistry - an Asian Journal, 2023, 18, .	3.3	3
2422	Contrasting the Noncovalent Interactions of Aromatic Sulfonyl Fluoride and Sulfonyl Chloride Motifs <i>via</i> Crystallography and Hirshfeld Surfaces. ChemistrySelect, 2022, 7, .	1.5	1
2423	Two-Dimensional and Three-Dimensional Coordination Polymers Based on Ln(III) and 2,5-Diiodoterephthalates: Structures and Luminescent Behavior. Inorganics, 2022, 10, 262.	2.7	1
2424	A2B corroles: fluorescent signalling system for Hg2+ ion. Journal of Chemical Sciences, 2022, 134, .	1.5	2
2425	The effect of various partial atomic charges on the bulk and liquid/vacuum interface properties of iodobenzene derivatives at their melting points. Journal of Molecular Graphics and Modelling, 2023, 119, 108400.	2.4	2
2426	Halogen-bonded shape memory polymers. Nature Communications, 2022, 13, .	12.8	20
2427	Dimeric and trimeric catenation of giant chiral [8 + 12] imine cubes driven by weak supramolecular interactions. Nature Chemistry, 2023, 15, 413-423.	13.6	28
2428	Halogen Bonds between Diiodotetrafluorobenzenes and Halide Anions: Theoretical Analysis. Crystal Growth and Design, 2023, 23, 489-500.	3.0	4
2429	Chlorinated Naringenin Analogues as Potential Inhibitors of Transthyretin Amyloidogenesis. Journal of Medicinal Chemistry, 2022, 65, 16218-16233.	6.4	5

#	Article	IF	Citations
2430	Unravelling Structural Dynamics, Supramolecular Behavior, and Chiroptical Properties of Enantiomerically Pure Macrocyclic Tertiary Ureas and Thioureas, Journal of Organic Chemistry, O	3.2	1
2431	Abnormalities of the Halogen Bonds in the Complexes between Y2CTe (Y = H, F, CH3) and XF (X = F, Cl, Br,) Tj ET	Qg1 ₈ 1 0.78	84314 rgB⊤,
2432	The intermolecular interactions of ammonia with chlorine and bromine oxides: a theoretical study. Journal of Molecular Modeling, 2023, 29, .	1.8	0
2433	Halocyclopropeniumâ€Halide Halogenâ€Bonded Ion Pairs and Their Hydrogenâ€Bonded Halide Solvates. Helvetica Chimica Acta, 2023, 106, .	1.6	0
2434	Crystal Structure Analysis of 4-Oxo, 4-hydroxy- and 4-alkyl-7-bromopyrazolo[5,1-c][1,2,4]triazines. Journal of Chemical Crystallography, 0, , .	1,1	0
2435	Experimental and Computational Approaches to Sulfonated Poly(arylene ether sulfone) Synthesis Using Different Halogen Atoms at the Reactive Site. Membranes, 2022, 12, 1286.	3.0	0
2436	Interchangeability and Disorder in the Solid‣tate Structures of "Two Wall―Calix[4]pyrroles Equipped with Iodine and Ethynyl <i>para</i> ‣ubstituents. Chemistry - an Asian Journal, 0, , .	3.3	0
2437	Insight into the nature of the noncovalent interactions of furan, pyridine, and pyrazine with AtX. Journal of Molecular Modeling, 2023, 29, .	1.8	3
2438	η ⁶ â€Metalated Aryl Iodides in Dielsâ€Alder Cycloaddition Reactions: Mode of Activation and Catalysis. Chemistry - an Asian Journal, 2023, 18, .	3.3	1
2439	Fluoro-Functionalized Spherical Covalent Organic Frameworks as a Liquid Chromatographic Stationary Phase for the High-Resolution Separation of Organic Halides. Analytical Chemistry, 2022, 94, 18067-18073.	6.5	9
2440	How the Position of Substitution Affects Intermolecular Bonding in Halogen Derivatives of Carboranes: Crystal Structures of 1,2,3- and 8,9,12-Triiodo- and 8,9,12-Tribromo ortho-Carboranes. Molecules, 2023, 28, 875.	3.8	2
2441	Dichloromethane replacement: towards greener chromatography <i>via</i> Kirkwood–Buff integrals. Analytical Methods, 2023, 15, 596-605.	2.7	1
2442	Understanding the impact of halogen functional group (Br, Cl, F, OH) in amprenavir ligand of the HIV protease. Journal of Biomolecular Structure and Dynamics, 2023, 41, 12157-12170.	3.5	0
2443	Chalcogen bonding in the solid-state structures of 1,3-bis(benzimidazoliumyl)benzene-based chalcogen-bonding donors. Acta Crystallographica Section C, Structural Chemistry, 2023, 79, 26-35.	0.5	2
2444	2D conjugated microporous polyacetylenes synthesized via halogen-bond-assisted radical solid-phase polymerization for high-performance metal-ion absorbents. Nature Communications, 2023, 14, .	12.8	2
2445	Catalytic activation <i>via</i> π-backbonding in halogen bonds. Faraday Discussions, 0, 244, 241-251.	3.2	1
2446	The pnictogen bond forming ability of bonded bismuth atoms in molecular entities in the crystalline phase: a perspective. CrystEngComm, 2023, 25, 1038-1052.	2.6	5
2447	Practical Computational Chemistry Course for a Comprehensive Understanding of Organic, Inorganic, and Physical Chemistry: From Molecular Interactions to Chemical Reactions. Journal of Chemical Education, 2023, 100, 647-654.	2.3	5

#	Article	IF	CITATIONS
2448	Synthesis and Characterization of Tetrakis(pentafluoroethyl)indate Salts. Chemistry - A European Journal, 2023, 29, .	3.3	2
2449	Iodineâ€Catalyzed Claisenâ€Rearrangements of Allyl Aryl Ethers and Subsequent Iodocyclizations. Chemistry - an Asian Journal, 2023, 18, .	3.3	6
2450	Molecular self-assembly at the liquid/solid interface: The impact of confinement. , 2024, , 332-350.		0
2451	Halogen Bonding Channels for Magnetic Exchange in Cu(II) Complexes with 2,5â€Di(methylthio)â€1,3,4â€thiadiazole. Chemistry - an Asian Journal, 2023, 18, .	3.3	4
2452	Hydrogen and halogen bonds in drug-drug cocrystals of X-uracil (X = F, I) and lamivudine: extended quadruplex and layered assemblies. Supramolecular Chemistry, 2021, 33, 687-692.	1.2	1
2453	Experimental and Computational Investigation of Benperidol and Droperidol Solid Solutions in Different Crystal Structures. Crystal Growth and Design, 2023, 23, 1133-1144.	3.0	1
2454	Synthesis, Characterization, Bioactivity Screening and Computational Studies of Diphenylâ^'malonohydrazides and Pyridines Derivatives. ChemistrySelect, 2023, 8, .	1.5	5
2455	Solid State Structure and Hydrogen Bonding of Some Cyclic NH Carboximides. Crystals, 2023, 13, 150.	2.2	0
2456	lodination of antipyrine with [N–l–N] ⁺ and carbonyl hypoiodite iodine(<scp>i</scp>) complexes. New Journal of Chemistry, 2023, 47, 2978-2982.	2.8	4
2457	Trimethylammonium Sn(IV) and Pb(IV) Chlorometalate Complexes with Incorporated Dichlorine. Inorganics, 2023, 11, 25.	2.7	2
2458	Chiral Bromonium Salt (Hypervalent Bromine(III)) with N-Nitrosamine as a Halogen-Bonding Bifunctional Catalyst. Molecules, 2023, 28, 384.	3.8	5
2459	Halogen-Bonding-Mediated Radical Reactions: The Unexpected Behavior of Piperazine-Based Dithiooxamide Ligands in the Presence of Diiodine. Inorganic Chemistry, 2023, 62, 694-705.	4.0	0
2460	Halogen microregulation in metal-organic frameworks for enhanced adsorption performance of ReO4-/TcO4 Journal of Hazardous Materials, 2023, 446, 130744.	12.4	12
2461	NON-COVALENT INTERATOMIC INTERACTIONS IN TETRAFLUORO-SUBSTITUTED ZINC PHTHALOCYANINE. Journal of Structural Chemistry, 2022, 63, 1923-1928.	1.0	0
2462	New Monoiodoacetate Complexes of Uranyl: Synthesis and Structure. Radiochemistry, 2022, 64, 686-693.	0.7	0
2463	Development and Application of Ruthenium(II) and Iridium(III) Based Complexes for Anion Sensing. Molecules, 2023, 28, 1231.	3.8	8
2464	Oxidative Stress Biomarkers and Their Applications to Detect Excessive Fluorine. Biomarkers in Disease, 2023, , 177-201.	0.1	0
2465	The aid of calorimetry for the thermochemical and kinetic study of the σ-hole bonding leading to I2 and 4-(dimethylamino) pyridine complexes in solution. Journal of Thermal Analysis and Calorimetry, 0, , .	3.6	0

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#	Article	IF	CITATIONS
2466	Halogen Bonding-Driven Reversible Self-Assembly of Plasmonic Colloidal Molecules. ACS Nano, 2023, 17, 3047-3054.	14.6	6
2467	Thioureaâ€Promoted Cascade Dihalogenationâ€Cyclization of Cyclohexadienoneâ€Containing 1,6â€Enynes. Advanced Synthesis and Catalysis, 0, , .	4.3	1
2468	Why much of Chemistry may be indisputably non-bonded?. Semina: Ciências Exatas E Tecnológicas, 2022, 43, 211-229.	0.1	0
2469	Activation of perfluoroalkyl iodides by anions: extending the scope of halogen bond activation to C(sp ³)–H amidation, C(sp ²)–H iodination, and perfluoroalkylation reactions. Chemical Science, 2023, 14, 1732-1741.	7.4	4
2470	Recent advances on halogen bonds within the quantum theory of atoms-in-molecules. , 2023, , 469-490.		0
2471	Induced CPLâ€Active Materials Based on Chiral Supramolecular Coâ€Assemblies. Chemistry - A European Journal, 2023, 29, .	3.3	13
2472	Synthesis, Structural and Theoretical Analyses of C≡N··I Halogen-Bonded Liquid Crystalline Complexes of 4-Cyano-4′-alkoxy Biphenyl Systems. Crystal Growth and Design, 0, , .	3.0	2
2473	Anticooperativity and Competition in Some Cocrystals Featuring Iodineâ€Nitrogen Halogen Bonds. Chemistry - an Asian Journal, 2023, 18, .	3.3	2
2474	Halogen-Bonded [N–I–N] ^{â^'} Complexes with Symmetric or Asymmetric Three-Center–Four-Electron Bonds. Crystal Growth and Design, 2023, 23, 662-669.	3.0	6
2475	Enantioselective dearomatization reactions of heteroarenes by anion-binding organocatalysis. Chemical Communications, 2023, 59, 3360-3372.	4.1	11
2476	Light-driven flagella-like motion of coordination compound single crystals. Chemical Communications, 2023, 59, 4384-4387.	4.1	3
2477	Halogen bonds regulating structures and optical properties of hybrid iodobismuthate perovskites. Dalton Transactions, 0, , .	3.3	2
2478	<i>N</i> -Cyanomethylmethanimine tethered anthracene dimer: concise synthesis, conformational properties and photoinduced configurational isomerization. New Journal of Chemistry, 2023, 47, 6708-6720.	2.8	2
2479	Visualization Analysis of Weak Interactions in Chemical Systems. , 2024, , 240-264.		10
2480	Halogen bonds with carbenes acting as Lewis base units: complexes of imidazol-2-ylidene: theoretical analysis and experimental evidence. Physical Chemistry Chemical Physics, 2023, 25, 9636-9647.	2.8	3
2481	Photocatalytic reactions of fluoroalkyl iodides with alkenes. Russian Chemical Bulletin, 2023, 72, 61-72.	1.5	4
2482	Group-10 Ï€-holeâ<¯d _{<i>z</i>²} [M ^{II}] interactions: a theoretical study of model systems inspired by CSD structures. Dalton Transactions, 0, , .	3.3	2
2483	Halogen-bonded liquid-crystalline complexes formed from 4-alkoxyphenylpyridines with iodine and with interhalogens. CrystEngComm, 2023, 25, 1683-1692.	2.6	2

#	Article	IF	CITATIONS
2484	Electrochemical Atom Transfer Radical Addition of Polychloroalkanes to Olefins Promoted by 4, <scp>4â€Ði</scp> â€ <i>tert</i> â€butyl Bipyridine. Chinese Journal of Chemistry, 2023, 41, 1583-1588.	4.9	10
2485	metaâ€Selective Câ^'H Functionalization of Pyridines. Angewandte Chemie, 0, , .	2.0	0
2486	Elaborating <i>E</i> / <i>Z</i> â€Geometry of Alkenes via Cageâ€Confined Arylation Catalysis of Terminal Olefins. Angewandte Chemie, 2023, 135, .	2.0	2
2487	Structure-induced luminescence and bioactivities of Zinc(II) complexes with 2-(2,4-dichlorophenoxy)-N′-[pyridin-2-ylmethylene]acetohydrazide. Inorganica Chimica Acta, 2023, 551, 121481.	2.4	3
2488	Heavily heteroatoms doped carbons with tunable microstructure as the iodine hosts for rechargeable zinc-iodine aqueous batteries. Journal of Alloys and Compounds, 2023, 947, 169696.	5.5	6
2489	Oxidative addition of halogens to a Dineophylplatinum(II) Complex: Halogen complexes and fluxional Platinum(IV) complexes. Journal of Organometallic Chemistry, 2023, 992, 122706.	1.8	0
2490	Dielectric relaxation and C-F…π (benzene ring) halo-bond interactions in a lead halide hybrid crystal with bromine/iodine heterogeneous double-chain layer. Inorganica Chimica Acta, 2023, 552, 121492.	2.4	1
2491	Anion recognition using enhanced halogen bonding through intramolecular hydrogen bonds – a computational insight. New Journal of Chemistry, 2023, 47, 4439-4447.	2.8	4
2492	Boat and Chair Shaped Hexahalogen Synthons. Chemistry - an Asian Journal, 2023, 18, .	3.3	3
2493	Reduced <i>V</i> _{OC} Deficit of Mixed Lead–Tin Perovskite Solar Cells via Strainâ€Releasing and Synergistic Passivation Additives. Small Methods, 2023, 7, .	8.6	6
2494	Halogen-Bonded Thiophene Derivatives Prepared by Solution and/or Mechanochemical Synthesis. Evidence of N···S Chalcogen Bonds in Homo- and Cocrystals. Crystal Growth and Design, 2023, 23, 2442-2454.	3.0	5
2495	A New Motif in Halogen Bonding: Cooperative Intermolecular Sâ^'Brâ‹â‹ô, Oâ‹â‹â‹â‹F, and Fâ‹â‹â‹â‹ Crystal Packing of α,i‰â€Di(sulfonyl bromide) Perfluoroalkanes. Chemistry - an Asian Journal, 2023, 18, .	.F _. Associa	itions in the
2496	Noncovalent chalcogen and tetrel bonding interactions: Spectroscopic study of halide–carbonyl sulfide complexes. Natural Sciences, 2023, 3, .	2.1	0
2497	Bromide-mediated, C2-selective, and oxygenative alkylation of pyridinium salts using alkenes and molecular oxygen. Chemical Communications, 2023, 59, 2807-2810.	4.1	1
2498	Just at the limit: binding studies with neutral brominated terphenyl-derived halogen bond donors. CrystEngComm, 2023, 25, 1501-1506.	2.6	0
2499	Computational evaluation of halogen-bonded cocrystals enables prediction of their mechanochemical interconversion reactions. Chemical Science, 2023, 14, 3140-3146.	7.4	3
2500	Cocrystals; basic concepts, properties and formation strategies. Zeitschrift Fur Physikalische Chemie, 2023, 237, 273-332.	2.8	6
2501	Progress of Metalâ€Based Anticancer Chemotherapeutic Agents in Last two Decades and their Comprehensive Biological (DNA/RNA Binding, Cleavage and Cytotoxicity Activity) Studies. Chemical Record, 2023, 23, .	5.8	3

#	Article	IF	CITATIONS
2502	Nonâ€classical Nonâ€covalent Îfâ€Hole Interactions in Protein Structure and Function: Concepts for Potential Protein Engineering Applications. Chemistry - an Asian Journal, 2023, 18, .	3.3	3
2503	A new copper(II) complex containing triclopyr: one-pot crystallization, structure, conformation and Hirshfeld surface analyses. Zeitschrift Fur Kristallographie - Crystalline Materials, 2023, .	0.8	3
2504	Tuning charge carrier dynamics through spacer cation functionalization in layered halide perovskites: an <i>ab initio</i> quantum dynamics study. Journal of Materials Chemistry C, 2023, 11, 3521-3532.	5.5	0
2505	Two-dimensional Cd ₃ -based metal–organic frameworks with halogen bonding sites for the uptake of I ₂ . CrystEngComm, 2023, 25, 1775-1781.	2.6	1
2506	Advanced porous adsorbents for radionuclides elimination. EnergyChem, 2023, 5, 100101.	19.1	84
2507	Disorder in 2-bromoimidazolium hexafluorophosphate salts: the role of halogen bonds. CrystEngComm, 2023, 25, 1763-1774.	2.6	1
2508	Square Planar Pt(II) Ion as Electron Donor in Pnictogen Bonding Interactions. Inorganics, 2023, 11, 80.	2.7	2
2509	Targeted Computed Tomography Visualization and Healing of Inflammatory Bowel Disease by Orally Delivered Bacterial-Flagella-Inspired Polydiiododiacetylene Nanofibers. ACS Nano, 2023, 17, 3873-3888.	14.6	3
2510	Chalcogen Bond Donors in Organic Synthesis. , 2023, , 529-549.		0
2511	Halogenâ€Bonded Liquid Crystals. Helvetica Chimica Acta, 2023, 106, .	1.6	7
2512	Halogen Bondâ€Involving Supramolecular Assembly Utilizing Carbon as a Nucleophilic Partner of Iâ‹â‹â‹C Nonâ€covalent Interaction. Chemistry - an Asian Journal, 2023, 18, .	3.3	5
2513	Amine atalyzed Synthesis of Fluorineâ€containing Polymers through Halogen Bonding. Chemistry - an Asian Journal, 2023, 18, .	3.3	2
2514	Control of Selectivity in Homogeneous Catalysis through Noncovalent Interactions. Chemistry - A European Journal, 2023, 29, .	3.3	13
2515	Unconventional Dual Donor-Acceptor Topologies of Aromatic Rings in Amine-Based Polymeric Tetrahedral Zn(II) Compounds Involving Unusual Non-Covalent Contacts: Antiproliferative Evaluation and Theoretical Studies. Crystals, 2023, 13, 382.	2.2	2
2516	Discovery of Antitrypanosomal Indolylacetamides by a Deconstruction–Optimization Strategy Applied to Paullones. ChemMedChem, 2023, 18, .	3.2	1
2517	Intermolecular Halogen and Hydrogen Bonding-Controlled Self-Assembly of Network Structures. Chinese Journal of Organic Chemistry, 2023, 43, 705.	1.3	1
2518	On‣urface Synthesis of Polyphenylene Wires Comprising Rigid Aliphatic Bicyclo[1.1.1]Pentane Isolator Units. Angewandte Chemie - International Edition, 2023, 62, .	13.8	2
2519	Onâ€Surface Synthesis of Polyphenylene Wires Comprising Rigid Aliphatic Bicyclo[1.1.1]Pentane Isolator Units. Angewandte Chemie, 2023, 135, .	2.0	0

#	Article	IF	CITATIONS
2520	TWO-DIMENSIONAL Cu(II) 5-IODOISOPHTHALATE WITH A 1,2-BIS(4-PYRIDYL)ETHYLENE LINKER: CRYSTAL STRUCTURE AND FEATURES OF ELECTRONIC STRUCTURE. Journal of Structural Chemistry, 2023, 64, 112-120.	1.0	0
2521	Halogenâ⁄Halogen Interactions: Nature, Directionality and Applications. Chemistry - an Asian Journal, 2023, 18, .	3.3	13
2522	Transition Metal atalyzed Câ^'H Functionalization Through Electrocatalysis. ChemSusChem, 2023, 16, .	6.8	7
2523	Cocrystallization of Antifungal Compounds Mediated by Halogen Bonding. Crystal Growth and Design, 2023, 23, 2932-2940.	3.0	6
2524	The Co-Crystallization of 4-Halophenylboronic Acid with Aciclovir, Caffeine, Nitrofurazone, Theophylline, and Proline in Function of Weak Interactions. Crystals, 2023, 13, 468.	2.2	0
2525	Novel Chalcogen Bond Donors Derived from [3+2] Cycloaddition Reaction between 2-Pyridylselenyl Reagents and Isocyanates: Synthesis, Structures and Theoretical Studies. Crystal Growth and Design, 2023, 23, 2018-2023.	3.0	2
2526	Leveraging Synergistic Solubility in the Development of a Direct Isolation Process for Nemtabrutinib. Organic Process Research and Development, 2023, 27, 659-668.	2.7	4
2527	Halogen-Bonded Mono-, Di-, and Tritopic <i>N</i> -Alkyl-3-iodopyridinium Salts. Crystal Growth and Design, 2023, 23, 2361-2374.	3.0	0
2528	<scp>Ïfâ€</scp> Hole intermolecular interactions between carbon oxides and dihalogens: Abâ€initio investigations. Journal of Computational Chemistry, 2023, 44, 1426-1436.	3.3	5
2529	Probing mitochondrial damage using a fluorescent probe with mitochondria-to-nucleolus translocation. Chinese Chemical Letters, 2024, 35, 108323.	9.0	1
2530	A Comprehensive Ab Initio Study of Halogenated A···U and G···C Base Pair Geometries and Energies. International Journal of Molecular Sciences, 2023, 24, 5530.	4.1	2
2531	Solid-State ¹⁹ F NMR Chemical Shift in Square-Planar Nickel–Fluoride Complexes Linked by Halogen Bonds. Inorganic Chemistry, 2023, 62, 4835-4846.	4.0	2
2532	Organic Binary and Ternary Cocrystal Engineering Based on Halogen Bonding Aimed at Roomâ€Temperature Phosphorescence. Advanced Materials, 0, , .	21.0	17
2533	Solid-state molecular structures of Se(IV) and Te(IV) dihalides X ₂ Se(CH ₃)(C ₆ F ₅) and the gas-phase structure of Se(CH ₃)(C ₆ F ₅). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2023, 78, 121-132.	0.7	0
2534	Pyridine-4-thiol as halogen-bond (HaB) acceptor: influence of the noncovalent interaction in its reactivity. Acta Crystallographica Section C, Structural Chemistry, 2023, 79, 112-117.	0.5	1
2535	Thioureaâ€Based Tritopic Halogenâ€Bonding Acceptors. Chemistry - an Asian Journal, 2023, 18, .	3.3	1
2536	Unified Picture of Interatomic Interactions, Structures, and Chemical Reactions by Means of Electrostatic and Kinetic Force Density Fields: Appel's Salt and Its Ion Pairs. Crystal Growth and Design, 2023, 23, 3002-3018.	3.0	7
2537	Roles of Hydrogen, Halogen Bonding and Aromatic Stacking in a Series of Isophthalamides. Symmetry, 2023, 15, 738.	2.2	1

#	Article	IF	CITATIONS
2538	Cooperative Ternary Assemblies Involving Anionâ€″΀/Ĩ€â€″Ĩ€/Anionâ€″Ĩ€ Assemblies and Unconventional Clâ⊄Cl Interactions in Cu(II) Coordination Compounds: Experimental and Theoretical Studies. Crystals, 2023, 13, 517.	2.2	3
2539	Catalyst-Substrate Helical Character Matching Determines the Enantioselectivity in the Ishihara-Type Iodoarenes Catalyzed Asymmetric Kita-Dearomative Spirolactonization. Journal of the American Chemical Society, 2023, 145, 7301-7312.	13.7	8
2540	Tetrelâ€Centered Exchange Cascades to Decouple Inhibition and Induction of Thiolâ€Mediated Uptake: Introducing Cellâ€Penetrating Thiolactones, Focus on Reversible <i>Michael</i> Acceptor Dimers. Helvetica Chimica Acta, 2023, 106, .	1.6	4
2541	Chalcogen Bonding (ChB) as a Robust Supramolecular Recognition Motif of Benzisothiazolinone Antibacterials. Chemistry - A European Journal, 2023, 29, .	3.3	4
2542	Halogen bond and polymorphism in <i>trans</i> -bis(2-iodo-5-halopyridine)dihalocopper(<scp>ii</scp>) complexes: crystallographic, theoretical and magnetic studies. CrystEngComm, 0, , .	2.6	2
2543	Calculated Physicochemical Properties of Glycerol-Derived Solvents to Drive Plastic Waste Recycling. Industrial & Engineering Chemistry Research, 0, , .	3.7	4
2544	Halogen Bondâ€Catalyzed Oxidative Annulation of <i>N</i> â€Alkyl Pyridinium Salts and Alkenes with Air as a Sole Oxidant: Metalâ€free Synthesis of Indolizines. ChemistrySelect, 2023, 8, .	1.5	1
2545	â€~2Eâ~'2N squares': Chalcogen (E=S, Se and Te) Bonding Involving Benzochalcogenodiazoles. Asian Journal of Organic Chemistry, 2023, 12, .	2.7	2
2546	Benzothienoiodolium Cations Doubly Bonded to Anions via Halogen–Chalcogen and Halogen–Hydrogen Supramolecular Synthons. Crystal Growth and Design, 2023, 23, 2661-2674.	3.0	4
2547	Chiral carbonyl hypoiodites. Chemical Communications, 2023, 59, 4648-4651.	4.1	6
2548	Supramolecular Behaviour of <i>N,N′</i> â€Bridged Guanidinium Nitrates in the Crystalline State: Identification of Privileged Hydrogen Bond Networks. Israel Journal of Chemistry, 2023, 63, .	2.3	1
2549	Solvent-modulated binding selectivity of reaction substrates to onium-based If -hole donors. Catalysis Science and Technology, 2023, 13, 3375-3385.	4.1	6
2550	Engineering supramolecular helical assemblies <i>via</i> interplay between carbon(sp) tetrel and halogen bonding interactions. Physical Chemistry Chemical Physics, 0, , .	2.8	0
2551	A new computational tool for interpreting the infrared spectra of molecular complexes. Physical Chemistry Chemical Physics, 0, , .	2.8	1
2552	Fluorescence enhancement of organic aggregates induced by bromine substituents: Heavy-atom effect and vibronic coupling. Dyes and Pigments, 2023, 215, 111269.	3.7	3
2553	Modular and practical diamination of allenes. Nature Communications, 2023, 14, .	12.8	1
2554	Noncovalent Chelation by Halogen Bonding in the Design of Metal-Containing Arrays: Assembly of Double Ïf-Hole Donating Halolium with Cu ^I -Containing O,O-Donors. Inorganic Chemistry, 2023, 62, 6128-6137.	4.0	7
2555	Photochemical akynylperfluoroalkylation of unactive alkenes mediated by halogen-bonded charge-transfer complexes. Organic Chemistry Frontiers, 0, , .	4.5	2

#	Article	IF	CITATIONS
2556	Weak Bonds, Strong Effects: Enhancing the Separation Performance of UiO-66 toward Chlorobenzenes via Halogen Bonding. , 2023, 5, 1340-1349.		4
2557	Valence Bond Description of Halogen Bonding. , 2024, , 533-551.		0
2558	"Magic Chloro― Profound Effects of the Chlorine Atom in Drug Discovery. Journal of Medicinal Chemistry, 2023, 66, 5305-5331.	6.4	29
2559	An Efficient Lightâ€Mediated Protocol for the Direct Amide Bond Formation via a Novel Carboxylic Acid Photoactivation Mode by Pyridineâ€CBr ₄ . Chemistry - A European Journal, 2023, 29, .	3.3	6
2560	<i>metaâ€</i> Selective Câ^'H Functionalization of Pyridines. Angewandte Chemie - International Edition, 2023, 62, .	13.8	9
2561	Halogen bonding relay and mobile anion transporters with kinetically controlled chloride selectivity. Chemical Science, 2023, 14, 5006-5013.	7.4	5
2562	A unique case of polymorphism in polyiodide networks resulting from the reaction of the drug methimazole and I ₂ . New Journal of Chemistry, 2023, 47, 8122-8130.	2.8	1
2563	Competing and directing interactions in new phosphoramide/thiophosphoramide structures: energy considerations and evidence for CHâ⊂HC contacts and aliphatic–aromatic stacking. CrystEngComm, 0, , .	2.6	0
2564	Effects of Halogenation on Quinolineâ€Malononitrile based AlEgens: Photophysical Properties Investigation and Washâ€Free Imaging. Chemistry - an Asian Journal, 0, , .	3.3	0
2565	Effect of Substituents on the Intramolecular n→ï€* Interaction in 3-[2-(Dimethylamino) phenyl] propanal: A Computational Study. Journal of Physical Chemistry A, 2023, 127, 3339-3346.	2.5	2
2566	Tetrel bonds involving CF3 group participate in protein-drug recognition: A combined crystallographic and computational study Physical Chemistry Chemical Physics, 0, , .	2.8	0
2567	Visible light-mediated metal-free alkyl Suzuki–Miyaura coupling of alkyl halides and alkenylboronic acids/esters: a green method for the synthesis of allyl difluoride derivatives. Green Chemistry, 2023, 25, 3453-3461.	9.0	6
2568	Elaborating <i>E</i> / <i>Z</i> â€Geometry of Alkenes via Cageâ€Confined Arylation Catalysis of Terminal Olefins. Angewandte Chemie - International Edition, 2023, 62, .	13.8	18
2569	Investigation on the thermal and optical properties of hydrogen bonded liquid crystalline complexes formed from hexyloxy benzoic acid and alkyl benzoic acids. Molecular Crystals and Liquid Crystals, 0, , 1-20.	0.9	0
2570	MIL-101-NH2-TFR and MIL-101-NH2-TFR/Cu2+ as novel hybrid materials for efficient adsorption of iodine and reduction of Cr(VI). Materials Today Communications, 2023, 35, 105990.	1.9	0
2571	Halogen bonding: a designer strategy for graphyne-like two-dimensional architectures. Theoretical Chemistry Accounts, 2023, 142, .	1.4	1
2572	Phase transition and bond symmetrization associated with noble gas bond in XeO3. Chinese Journal of Chemical Physics, 2023, 36, 740-746.	1.3	0
2573	Regiumâ~ïi€ Bonds Involving Nucleobases: Theoretical Study and Biological Implications. Inorganic Chemistry, 2023, 62, 6740-6750.	4.0	4

#	Article	IF	CITATIONS
2574	Lest We Forget–The Importance of Heteroatom Interactions in Heterocyclic Conjugated Systems, from Synthetic Metals to Organic Semiconductors. Advanced Materials, 0, , .	21.0	4
2576	Non-covalent interactions in neutral and oxidized tetrathiafulvalenes. CrystEngComm, 2023, 25, 2946-2958.	2.6	0
2577	Direct C2–H alkylation of indoles driven by the photochemical activity of halogen-bonded complexes. Beilstein Journal of Organic Chemistry, 0, 19, 575-581.	2.2	1
2578	Hole-Transport Management Enables 23%-Efficient and Stable Inverted Perovskite Solar Cells with 84% Fill Factor. Nano-Micro Letters, 2023, 15, .	27.0	4
2579	Dirhodium(II)-catalyzed enantioselective cyclopropenation of internal alkynes with trifluoromethyl carbene. Chem Catalysis, 2023, 3, 100637.	6.1	2
2580	Assessing the Possibility and Properties of Types I and II Chalcogen Bonds. Crystals, 2023, 13, 766.	2.2	2
2581	ヨã,¦ç´å·¥æ¥ã•ăƒãƒã,²ãƒ³çμå•̂. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2023, 81, 5	1 0-5 13.	0
2582	Hydrogen Bonds and Halogen Bonds – A Comparative Study. , 2017, , 478-515.		1
2583	Molecular Beam and Spectroscopic Techniques: Towards Fundamental Understanding of Intermolecular Interactions/Bonds. , 2017, , 259-309.		0
2584	About Perfluoropolyhedranes, Their Electronâ€Accepting Ability and Questionable Supramolecular Hosting Capacity. Angewandte Chemie - International Edition, 2023, 62, .	13.8	0
2585	About Perfluoropolyhedranes, Their Electronâ€Accepting Ability and Questionable Supramolecular Hosting Capacity. Angewandte Chemie, 2023, 135, .	2.0	0
2586	Experimental and DFT Structure Investigation of Pyridine Interaction with Dihalogen Molecules, UV–Visible, Cyclic Voltammetry and Hirshfeld Surface Analysis. Chemistry Africa, 0, , .	2.4	0
2587	Metal-Involving Halogen Bonding Confirmed Using DFT Calculations with Periodic Boundary Conditions. Crystals, 2023, 13, 712.	2.2	4
2588	On-Site Detection of Neonicotinoid Pesticides Using Functionalized Gold Nanoparticles and Halogen Bonding. ACS Applied Nano Materials, 2023, 6, 8367-8381.	5.0	1
2589	A Review on Lowâ€Molecularâ€Weight Gels Driven by Halogenâ€Effect. Chemistry - an Asian Journal, 2023, 18,	3.3	3
2590	Demethyl oxidative halogenation of diacyl dimethylsulfonium methylides. Organic and Biomolecular Chemistry, 2023, 21, 3991-3996.	2.8	1
2591	Influence of halogen atoms and hydrogen bonds in the crystal structure of 1,2,4-trisubstituted imidazoles having haloaryl groups. Journal of Molecular Structure, 2023, 1286, 135662.	3.6	1
2592	Aminoâ€Ene Click Reaction of Electronâ€Deficient Ï€â€Conjugated Molecules with Negative Activation Enthalpies. Chemistry - A European Journal, 0, , .	3.3	0

#	Article	IF	CITATIONS	
2593	The relationship between the crystal habit and the energy framework pattern: a case study involving halogen bonding on the edge of a covalent bond. CrystEngComm, 2023, 25, 3380-3390.	2.6	4	
2594	Bandgap modification in 0D tellurium iodide perovskite derivatives <i>via</i> incorporation of polyiodide species. RSC Advances, 2023, 13, 13477-13492.	3.6	3	
2595	Tuning of the Electrostatic Potentials on the Surface of the Sulfur Atom in Organic Molecules: Theoretical Design and Experimental Assessment. Molecules, 2023, 28, 3919.	3.8	0	
2596	Construction of a Helical Structure with a Parallel Alignment of Molecular Dipoles in Crystals by Utilizing a Halogen-3 Synthon and a Bulky Silyl Spacer. Crystal Growth and Design, 2023, 23, 4514-4521.	3.0	0	
2597	Phenanthroline-Initiated Anti-selective Hydrosulfonylation of Unactivated Alkynes with Sulfonyl Chlorides. ACS Catalysis, 2023, 13, 6983-6993.	11.2	6	
2598	Shining light on halogen-bonding complexes: a catalyst-free activation mode of carbon–halogen bonds for the generation of carbon-centered radicals. Chemical Science, 2023, 14, 5545-5568.	7.4	11	
2599	Chalcogen Bonds, Halogen Bonds and Halogen··Ĥalogen Contacts in Di- and Tri-iododiorganyltellurium(IV) Derivatives. Inorganics, 2023, 11, 209.	2.7	1	
2600	Rashba Band Splitting and Bulk Photovoltaic Effect Induced by Halogen Bonds in Hybrid Layered Perovskites. Angewandte Chemie - International Edition, 2023, 62, .	13.8	5	
2601	Sustainable electrochemical gold dissolution process based on triboelectric nanogenerator. Nano Energy, 2023, 113, 108531.	16.0	2	
2602	Rashba Band Splitting and Bulk Photovoltaic Effect Induced by Halogen Bonds in Hybrid Layered Perovskites. Angewandte Chemie, 2023, 135, .	2.0	0	
2603	Halogen-bonded co-crystals with AlE-active α-cyanostilbenes. New Journal of Chemistry, 2023, 47, 11685-11696.	2.8	0	
2604	Radical Perfluoroalkylation of Aliphatic Substrates. ACS Catalysis, 2023, 13, 7756-7794.	11.2	10	
2605	Fineâ€Tuning Substrate–Catalyst Halogen–Halogen Interactions for Boosting Enantioselectivity in Halogenâ€Bonding Catalysis. Angewandte Chemie - International Edition, 2023, 62, .	13.8	4	
2606	Rational Supramolecular Strategy via Halogen Bonding for Effective Halogen Recognition in Molecular Imprinting. Analytical Chemistry, 2023, 95, 9304-9313.	6.5	4	
2607	Evaluation of eugenolâ€derived monomers as antimicrobial agents in dental resin composites. Journal of Applied Polymer Science, 0, , .	2.6	0	
2608	F···Br and F···S Heterohalogen-Bond-Directed 2D Self-Assemblies of a Benzothiadiazole Derivative. Langmuir, 2023, 39, 8314-8322.	3.5	3	
2609	The Dark Side of Lead-Free Metal Halide Nanocrystals: Substituent-Modulated Photocatalytic Activity in Benzyl Bromide Reduction. ACS Energy Letters, 2023, 8, 2789-2798.	17.4	6	
2610	Simultaneous observation of halogen–lone pair and halogenâ€"ï€ interactions of ferrocene derivatives under cryogenic conditions. Physical Chemistry Chemical Physics, 2023, 25, 15110-15114.	2.8	1	
		CITATION REPORT		
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#	Article		IF	CITATIONS
2611	Comparison of the Ability of Nâ \in Bases to Engage in Noncovalent Bonds. ChemPhysChe	em, 0, , .	2.1	0
2612	Structural studies of Schiff base ligand and its copper complexes: Solvents effect in 1-D monomeric copper (II) complexes, computational and sensing studies. Materials Chemi 2023, 306, 128031.	polymeric and stry and Physics,	4.0	1
2613	From Solution to Thin Film: Molecular Assembly of ï€-Conjugated Systems and Impact o (Opto)electronic Properties. Chemical Reviews, 2023, 123, 8395-8487.	חי	47.7	27
2614	Gauging the Strength of the Molecular Halogen Bond via Experimental Electron Density Spectroscopy. ACS Omega, 2023, 8, 21531-21539.	r and	3.5	2
2615	Evidence for and evaluation of fluorine–tellurium chalcogen bonding. Chemical Scien 7221-7229.	ce, 2023, 14,	7.4	5
2616	Benziodarone and 6-hydroxybenziodarone are potent and selective inhibitors of transth amyloidogenesis. Bioorganic and Medicinal Chemistry, 2023, 90, 117370.	yretin	3.0	1
2617	Mesomorphic and computational evaluation of C N‧‧‧I halogen bonded comple 4-alkoxy-4′-cyanobiphenyls systems with 1,6- diiodoperfluorohexane. Journal of Mole 2023, 1291, 135995.	xes of ecular Structure,	3.6	0
2618	The Realm of Unconventional Noncovalent Interactions in Proteins: Their Significance ir and Function. ACS Omega, 2023, 8, 22268-22284.) Structure	3.5	11
2619	Direct insertion into the Câ \in C bond of unactivated ketones with NaH-mediated aryne 2023, 9, 2620-2636.	chemistry. CheM,	11.7	4
2620	Interacting Quantum Atoms. , 2024, , 55-68.			0
2621	Combined σ- and π-Hole Donor Properties of Perfluorinated Iodo(or bromo)benzenes: and π-Hole Interactions in Cocrystals Including Cu ₄ I ₄ Cluste Growth and Design, 2023, 23, 5194-5203.	Halogen Bonding rs. Crystal	3.0	3
2622	Iodine(I) and Silver(I) Complexes Incorporating 3-Substituted Pyridines. ACS Omega, 20	023, 8, 24064-24071.	3.5	2
2623	Halogen Bonding Interactions of Haloaromatic Endocrine Disruptors and the Potential f of Iodothyronine Deiodinases. ChemistrySelect, 2023, 8, .	or Inhibition	1.5	0
2624	Intrinsic bond strength index as a halogen bond interaction energy predictor. Physical C Chemical Physics, 2023, 25, 17535-17546.	Chemistry	2.8	1
2625	Haloantimonate(III) complexes with halogen-substituted quinolinium cations: Structura non-covalent interactions in solid state. Polyhedron, 2023, 242, 116505.	l features of	2.2	0
2626	Halogenâ€Bondâ€Promoted Hydroxyperfluoroalkylation of Olefins with Molecular Oxyş Visibleâ€Light Irradiation. Asian Journal of Organic Chemistry, 2023, 12, .	gen under	2.7	2
2627	Unified Classification of Non-Covalent Bonds Formed by Main Group Elements: A Bridge Bonding. Physical Chemistry Chemical Physics, 0, , .	? to Chemical	2.8	0
2628	Incorporation of a Fluorine Atom in a Bridging Ligand of Half-Lantern Pt ^{II} <s Complexes Provides up to 10-Fold Enhancement of Electroluminescence Brightness. Inc Chemistry, 2023, 62, 11080-11094.</s 	sub>2 brganic	4.0	4

#	Article	IF	CITATIONS
2629	Preference of halogen bonds over hydrogen bonds within a discrete three-component co-crystal that undergo a [2+2] cycloaddition reaction. New Journal of Chemistry, 2023, 47, 13084-13087.	2.8	1
2630	Theoretical Quantification of the Lewis Acidity of Nâ€Heterocyclic iodonium salts. Asian Journal of Organic Chemistry, 0, , .	2.7	0
2631	Biomimetic snapping of polyhexahydrotriazine tough actuator driven by supramolecular interaction. Journal of Materials Science, 2023, 58, 7469-7476.	3.7	0
2632	Zn(II) Three-Dimensional Metal-Organic Frameworks Based on 2,5-Diiodoterephthalate and N,N Linkers: Structures and Features of Sorption Behavior. Inorganics, 2023, 11, 192.	2.7	1
2633	Perovskite-based solar cells. , 2023, , 265-292.		0
2634	Halogen Bond Induced Structural and Photophysical Properties Modification in Organic–Inorganic Hybrid Manganese Halides. Journal of Physical Chemistry Letters, 2023, 14, 4211-4218.	4.6	1
2635	Basic principles for the selection of liquid chromatographic modes for specific applications. , 2023, , 81-157.		1
2636	Manipulation of the Structure and Optoelectronic Properties through Bromine Inclusion in a Layered Lead Bromide Perovskite. Chemistry of Materials, 2023, 35, 3801-3814.	6.7	2
2637	Halogen Interaction Effects on Chiral Selfâ€Assemblies on Cyclodipeptide Scaffolds Across Hierarchy. Small, 2023, 19, .	10.0	1
2638	<scp>DFT</scp> potentials from a chemical perspective: Anatomy of electron (de)localization in molecules and crystals. Journal of Computational Chemistry, 2023, 44, 1817-1835.	3.3	3
2639	Halogen bonds, chalcogen bonds, pnictogen bonds, tetrel bonds and other σ-hole interactions: a snapshot of current progress. Acta Crystallographica Section C, Structural Chemistry, 2023, 79, 204-216.	0.5	14
2640	Dynamic and Static Nature of XH-â^—-ï€ and YX-â^—-ï€ (X = F, Cl, Br, and I; Y = X and F) in the Distorted ï€-System of Corannulene Elucidated with QTAIM Dual Functional Analysis. Molecules, 2023, 28, 4219.	3.8	0
2641	Direct arylation reaction of heteroarenes mediated by photoinduced electron transfer. Journal of Photochemistry and Photobiology, 2023, 16, 100183.	2.5	0
2642	Feinjustierung von Substrat–Katalysator Halogen–Halogen Interaktionen zur Steigerung der Enantioselektivitäin der Halogenbr¼ckenbindungsâ€Katalyse. Angewandte Chemie, 0, , .	2.0	Ο
2643	Halide Complexes [(2-Br-5-MePy)2ZnX2] (X = Cl, Br): Structure and Noncovalent Interactions in the Crystal Structure. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2023, 49, 294-298.	1.0	1
2644	Halogen Bonding Assembles Anionâ‹â‹â‹Anion Architectures in Nonâ€centrosymmetric Iodate and Bromate Crystals. ChemPhysChem, 2023, 24, .	2.1	3
2645	Halogen functionalized D–A–D-type unsymmetrical squaraine dyes for dye-sensitized solar cells. Materials Advances, 0, , .	5.4	3
2646	The role of halogen bonding in the interaction landscape directing the crystal packing in a homologous series of halogenated coumarin derivatives. Journal of Molecular Structure, 2023, 1292, 136112.	3.6	1

#	Article	IF	CITATIONS
2647	Asymmetrical Methylene-Bridge Linked Fully Iodinated Azoles as Energetic Biocidal Materials with Improved Thermal Stability. International Journal of Molecular Sciences, 2023, 24, 10711.	4.1	0
2648	Tuneable tetrel bonds between tin and heavy pnictogens. Chemical Communications, 2023, 59, 9001-9004.	4.1	3
2649	The Implications of Drug-Polymer Interactions on the Physical Stability of Amorphous Solid Dispersions. Pharmaceutical Research, 2023, 40, 2963-2981.	3.5	4
2650	Quantitative evaluation of the electronic features involving "nucleophilic–electrophilic―character in the chalcogen sulfur. Physical Chemistry Chemical Physics, 2023, 25, 19427-19434.	2.8	0
2651	Insights into oxidation of pentachlorophenol (PCP) by low-dose ferrate(VI) catalyzed with α-Fe2O3 nanoparticles. Journal of Hazardous Materials, 2023, 458, 131983.	12.4	4
2652	Heteroligand Zn(II) Metal-Organic Frameworks Based on 4-Substituted 4,2':6',4"-Terpyridine Derivatives and Terephthalates. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2023, 49, 414-419.	1.0	2
2653	High-pressure induced switching between halogen and hydrogen bonding regimes in 1,4-dioxane iodine monochloride. CrystEngComm, 2023, 25, 4146-4156.	2.6	0
2654	A Halogenâ€Bonded Organic Framework (XOF) Emissive Cocrystal for Acid Vapor and Explosive Sensing, and Iodine Capture. Small, 2023, 19, .	10.0	4
2655	Additive controlled packing polymorphism in a series of halogen-substituted dithieno[3,2- <i>a</i> :2′,3′- <i>c</i>]phenazine derivatives. CrystEngComm, 2023, 25, 4076-4088.	2.6	0
2656	Supramolecular Polymer Ion Conductor with Weakened Li Ion Solvation Enables Room Temperature All‣olid‣tate Lithium Metal Batteries. Angewandte Chemie, 2023, 135, .	2.0	2
2657	Mixed-Halide Perovskites with Halogen Bond Induced Interlayer Locking Structure for Stable Pure-Red PeLEDs. Nano Letters, 2023, 23, 6465-6473.	9.1	12
2658	Supramolecular Polymer Ion Conductor with Weakened Li Ion Solvation Enables Room Temperature All‣olid‣tate Lithium Metal Batteries. Angewandte Chemie - International Edition, 2023, 62, .	13.8	8
2659	Fluoride Anions: Unexploited but Effective Halogen Bond Acceptors. Chemistry - an Asian Journal, 2023, 18, .	3.3	1
2660	Impact of Electron-Withdrawing Effect on Sigma Hole Via Bromine-Based Interactions in Zn-5,10,15,20-tetra(4-bromo-2,6-difluoro Phenyl) Porphyrin. Crystal Growth and Design, 0, , .	3.0	0
2661	Homomeric chains of intermolecular bonds scaffold octahedral germanium perovskites. Nature, 2023, 620, 328-335.	27.8	18
2662	Deciphering the driving forces in crystal packing by analysis of electrostatic energies and contact enrichment ratios. IUCrJ, 2023, 10, 557-567.	2.2	2
2663	Halogen bonding assisted site-selective C-3 triaryl methylation of indoles and <i>N</i> -triaryl methylation of imidazoles. Organic and Biomolecular Chemistry, 0, , .	2.8	0
2664	Completion of Crystallographic Data for the Series of 4-Halogenated-1H-pyrazoles: Crystal Structure Determination of 4-lodo-1H-pyrazole and Spectroscopic Comparison. Crystals, 2023, 13, 1101.	2.2	1

# 2665	ARTICLE Balancing Activity and Stability in Halogen-Bonding Catalysis: Iodopyridinium-Catalyzed One-Pot Synthesis of 2,3-Dihydropyridinones. Journal of Organic Chemistry, 2023, 88, 11069-11082.	IF 3.2	Citations 3
2666	Experimental Quantification of Halogenâ^™â^™â^™Arene van der Waals Contacts. Angewandte Chemie - International Edition, 0, , .	13.8	1
2667	Experimental Quantification of Halogenâ^™â^™Arene van der Waals Contacts. Angewandte Chemie, 0, , .	2.0	0
2668	Dispersion-Corrected DFT-D4 Study of the Adsorption of Halobenzenes and 1,3,5-Trihalobenzenes on the Cu(111) Surface唀Effect of Sigma Hole Properties. Langmuir, 0, , .	3.5	0
2669	lodine(<scp>i</scp>)-based and iodine(<scp>iii</scp>)-based halogen bond catalysis on the Friedel–Crafts reaction: a theoretical study. Physical Chemistry Chemical Physics, 2023, 25, 21100-21108.	2.8	3
2670	Principles and Applications of CF ₂ X Moieties as Unconventional Halogen Bond Donors in Medicinal Chemistry, Chemical Biology, and Drug Discovery. Journal of Medicinal Chemistry, 2023, 66, 10202-10225.	6.4	2
2671	Competition between Binding to Various Sites of Substituted Imidazoliums. Journal of Physical Chemistry A, 0, , .	2.5	1
2672	Comparison of Intermolecular HalogenHalogen Distances in Organic and Organometallic Crystals. International Journal of Molecular Sciences, 2023, 24, 11911.	4.1	0
2673	A Combined Halogen―and Chalcogenâ€Bonding Organocatalyst. Advanced Synthesis and Catalysis, 2023, 365, 2718-2723.	4.3	2
2674	Halogenation effects on the bridgehead position of the adamantane molecule. Chemical Physics Letters, 2023, 829, 140746.	2.6	2
2675	Gram-scale synthesis of highly doped chlorine graphene quantum dots: Synthesis and photoluminescence properties. Carbon, 2023, 214, 118341.	10.3	6
2676	Erythronium Bonds: Noncovalent Interactions Involving Groupâ€5 Elements as Electronâ€Đensity Acceptors**. Chemistry - A European Journal, 2023, 29, .	3.3	3
2677	Intramolecular Hydrogen Bonding Effect on the Electron-Transfer Thermodynamics of a Series of <i>>o</i> >Nitrobenzyl Alcohol Derivatives. Journal of Organic Chemistry, 2023, 88, 11434-11443.	3.2	0
2678	Influence of Internal Noncovalent Bonds on Rotational Dynamics. Inorganic Chemistry, 2023, 62, 13030-13037.	4.0	1
2679	Halogen Bonding in Sulphonamide Co-Crystals: X···π Preferred over X···O/N?. Molecules, 2023, 28, 5910.	3.8	1
2680	Exploring the role of halogen bonding in iodonium ylides: insights into unexpected reactivity and reaction control. Beilstein Journal of Organic Chemistry, 0, 19, 1171-1190.	2.2	3
2681	Homo- and hetero-halogen interaction based molecular associations in wheel–axle topology derived Sn(<scp>iv</scp>) porphyrin complexes: an experimental and theoretical analysis. CrystEngComm, 2023, 25, 4946-4959.	2.6	0
2682	Ligand and Substituent Effect on Regiumâ [~] ï€ Bonding in Cu and Ag ï€-Conjugated Complexes: A Density Functional Study. Journal of Physical Chemistry A, 2023, 127, 6953-6961.	2.5	1

#	Article	IF	CITATIONS
2684	Halogen bonded supramolecular assemblies constructed from azulene derivatives and perfluorinated di-/triiodobenzenes. CrystEngComm, 0, , .	2.6	0
2685	Modulation of Rotational Dynamics in Halogen-Bonded Cocrystalline Solids. Journal of the American Chemical Society, 2023, 145, 19005-19017.	13.7	2
2686	Halogen bond induced room temperature phosphorescence from 3,5′-diiodo-2,2′-bithiophene-5-carboxaldehyde. Journal of the Indian Chemical Society, 2023, 100, 101078.	2.8	2
2687	Baseâ€Promoted Glycosylation Allows Protecting Groupâ€Free and Stereoselective <i>O</i> â€Glycosylation of Carboxylic Acids**. Angewandte Chemie - International Edition, 2023, 62, .	13.8	1
2688	Radical Pathway Glycosylation Empowered by Bench-Stable Glycosyl Donors. Accounts of Chemical Research, 2023, 56, 2473-2488.	15.6	12
2689	Baseâ€Promoted Glycosylation Allows Protecting Groupâ€Free and Stereoselective <i>O</i> â€Glycosylation of Carboxylic Acids**. Angewandte Chemie, 2023, 135, .	2.0	0
2690	Recent Advances in C–H Functionalisation through Indirect Hydrogen Atom Transfer. Molecules, 2023, 28, 6127.	3.8	3
2691	Polymorphism of heterometallic Bi/Cu halide complexes: Experimental examination of crystal structures, thermal stability and optical properties. Polyhedron, 2023, 244, 116626.	2.2	0
2692	Perhalogenated Hydroxyl Aryl Imines as Halogen Bond Donors in Cocrystals with Nitrogen-Containing Acceptors. Crystal Growth and Design, 0, , .	3.0	2
2693	Halogen Bonding Involving Isomeric Isocyanide/Nitrile Groups. International Journal of Molecular Sciences, 2023, 24, 13324.	4.1	3
2694	Supramolecular axial chirality in [N–I–N] ⁺ -type halogen bonded dimers. Chemical Science, 2023, 14, 10194-10202.	7.4	1
2695	基于气ä¼2"的动æ€åŒ–å¦ä,Žç»"è£ Scientia Sinica Chimica, 2023, , .	0.4	0
2696	Structural Analysis and Reactivity Insights of (E)-Bromo-4-((4-((1-(4-chlorophenyl)ethylidene)amino)-5-phenyl-4H-1,2,4-triazol-3-yl)thio)-5-((2-isopropylcyclohex Furan-2(5H)-one: A Combined Approach Using Single-Crystal X-ray Diffraction, Hirshfeld Surface Analysis, and Conceptual Density Functional Theory. Crystals, 2023, 13, 1313.	yl)oxy) 2.2	3
2697	Molecular binding of different classes of organophosphates to methyl parathion hydrolase from <i>Ochrobactrum</i> species. Proteins: Structure, Function and Bioinformatics, 2024, 92, 96-105.	2.6	0
2698	å ë "®æœ‰æœºæj†æž¶çš"ç"ç©¶èį›å±•. Scientia Sinica Chimica, 2023, , .	0.4	0
2699	Binding, Sensing, And Transporting Anions with Pnictogen Bonds: The Case of Organoantimony Lewis Acids. Journal of the American Chemical Society, 2023, 145, 19458-19477.	13.7	5
2700	Creating an Amyloid â€~Kaleidoscope' Using Short Iodinated Peptides. Angewandte Chemie, 2023, 135, .	2.0	1
2701	Creating an Amyloid â€~Kaleidoscope' Using Short Iodinated Peptides. Angewandte Chemie - International Edition, 2023, 62, .	13.8	1

ARTICLE IF CITATIONS Halogen bonding in chloroiodates(III). CrystEngComm, 0, , . 2702 2.6 0 Supramolecular aggregation featuring Hgâ<S secondary-bonding interactions in crystals of mercury(<scp>ii</scp>) species augmented by computational chemistry calculations. CrystEngComm, 2703 2.6 2023, 25, 5262-5285. The interplay between hydrogen and halogen bonding: substituent effects and their role in the 2704 2 7.4 hydrogen bond enhanced halogen bond. Chemical Science, 2023, 14, 8924-8935. Heavy pnicogen atoms as electron donors in sigma-hole bonds. Physical Chemistry Chemical Physics, 2705 2.8 2023, 25, 23530-23537. C–H hydrogen bond and halogen bond directed self-assembly of ethereal podands and C–Xâ<⁻F^{â[^]'}/HF₂^{â[^]'} halogen bonding in solution. CrystEngComm, 2023, 2706 2.6 0 25, 5650-5659. Visible-light mediated synthesis of main-chain-type semifluorinated alternating terpolymers by Nal catalyzed START polymerization. Polymer Chemistry, 2023, 14, 3718-3728. Active control of molecular stacking types in a congeneric library of dihalogenated 2708 2.6 0 salicylideneaniline crystals and their solid solutions. CrystEngComm, 2023, 25, 5109-5117. Two and three-dimensional halogen-bonded frameworks: self-assembly influenced by crystallization 4.1 solvents. Chemical Communications, 2023, 59, 11580-11583. Advanced electrocatalytic redox processes for environmental remediation of halogenated organic 2710 4.1 1 water pollutants. Chemical Communications, 2023, 59, 11895-11922. Realizing luminescent from cuprous iodide complexes with high quantum yields by introducing planar 2711 aromatic groups and modification with halogen atoms on the ligand. CrystEngComm, 2023, 25, 2.6 5722-5729. On the Importance of Halogen and Chalcogen Bonds in the Solid State of Nucleic Acids: A Combined 2712 Crystallographic and Theoretical Perspective. International Journal of Molecular Sciences, 2023, 24, 4.1 1 13035. E2/S_N2 Selectivity Driven by Reaction Dynamics. Insight into Halogen Bonding., 2023, 1, 2713 507-515. Influence of Lewis acids on the symmetric SN2 reaction. Theoretical Chemistry Accounts, 2023, 142, . 2714 1.4 0 Molecular Modelling of Polychlorinated Dibenzo-p-Dioxins Non-Covalent Interactions with Î² and 2715 4.1 Î³-Cyclodextrins. International Journal of Molecular Sciences, 2023, 24, 13214. Nearâ€Infrared Lightâ€Induced Reversible Deactivation Radical Polymerization: Expanding Frontiers in 2716 11.2 6 Photopolymerization. Advanced Science, 2023, 10, . New insights on transition metal coordination compounds with biological active azole and 2717 18.8 nitroimidazole derivatives. Coordination Chemistry Reviews, 2023, 494, 215360. Enrichment of anchoring sites by introducing supramolecular halogen bonds for the efficient 2718 16.6 13 perovskite nanocrystal LEDs. Light: Science and Applications, 2023, 12, . Enhancing Supramolecular Assembly in BODIPY Derivatives: Harnessing Halogen Bonding for 2719 Cocrystal Design. Crystal Growth and Design, 2023, 23, 7285-7294.

#	Article	IF	CITATIONS
2720	Recent progress in polymerizationâ€induced selfâ€assembly: From the perspective of driving forces. Aggregate, 2024, 5, .	9.9	3
2722	Leveraging the relative strengths of hydrogen and halogen bonds to control nanostructures. Surfaces and Interfaces, 2023, 42, 103463.	3.0	1
2723	Binding interaction of environmental DNA with typical emerging perfluoroalkyl acids and its impact on bioavailability. Science of the Total Environment, 2024, 906, 167392.	8.0	0
2724	Ein bidentates Antimonâ€Pniktogenbrückenâ€Wirtsystem. Angewandte Chemie, 2023, 135, .	2.0	0
2725	A Bidentate Antimony Pnictogen Bonding Host System. Angewandte Chemie - International Edition, 2023, 62, .	13.8	3
2726	Halogen Bond-Involving Self-Assembly of Iodonium Carboxylates: Adding a Dimension to Supramolecular Architecture. International Journal of Molecular Sciences, 2023, 24, 14642.	4.1	1
2727	Theoretical Analysis of Cu ^{II} ···Cl Semicoordination Bond in Supramolecular Heterometallic {Cu ^{II} }{Sn ^{IV} } Cocrystals. Organometallics, 2023, 42, 2672-2683.	2.3	0
2728	Influence of Coordination to Silver(I) Centers on the Activity of Heterocyclic Iodonium Salts Serving as Halogenâ€Bondâ€Donating Catalysts. ChemPlusChem, 2023, 88, .	2.8	3
2729	Halide Complexes of 5,6â€Dicyanoâ€2,1,3â€Benzoselenadiazole with 1 : 4 Stoichiometry: Cooperativity Chalcogen and Hydrogen Bonding. ChemPlusChem, 2023, 88, .	between 2.8	0
2730	Watching Molecular Nanotubes Self-Assemble in Real Time. Journal of the American Chemical Society, 2023, 145, 22494-22503.	13.7	1
2731	Fusion of materials with directional-selection and family-selection properties to prepare covalent organic framework composite with superior selective adsorption performance. Separation and Purification Technology, 2024, 329, 125169.	7.9	2
2732	Halogen-bonding-mediated synthesis of amides and peptides. Green Chemistry, 0, , .	9.0	0
2733	Exploring DSSC Efficiency Enhancement: SQI-F and SQI-Cl Dyes with lodolyte Electrolytes and CDCA Optimization. Molecules, 2023, 28, 7129.	3.8	1
2734	Programmable and Selfâ€Healable Liquid Crystal Elastomer Actuators Based on Halogen Bonding. Angewandte Chemie - International Edition, 2023, 62, .	13.8	4
2735	Towards Incorporation in Larger Architectures: A Polymeric Halogen Bondâ€Based Iridium Sensor. Macromolecular Chemistry and Physics, 2023, 224, .	2.2	0
2736	Elucidating mechanochemical reactivity of a ternary halogen-bonded cocrystal system by computational and calorimetric studies. Physical Chemistry Chemical Physics, 2023, 25, 28576-28580.	2.8	1
2737	Unravelling strong temperature-dependence of <i>J</i> _{HD} in transition metal hydrides: solvation and non-covalent interactions <i>versus</i> temperature-elastic H–H bonds. Chemical Science, 0, , .	7.4	0
2738	Simple Disulfides: Studies of Some Exponents of a Family Involved in Prominent Processes. ChemistrySelect, 2023, 8, .	1.5	0

#	Article	IF	CITATIONS
2739	Computational analyses of cooperativity between pnicogen and halogen bonds in H2FP:pyrimidine: ClF complex. Structural Chemistry, 2024, 35, 569-582.	2.0	0
2740	Photoinduced Superacceleration of Metal-Free Living Cationic Polymerization Using Diaryliodonium Salts as Organic Lewis Acid Catalysts. Macromolecules, 2023, 56, 6941-6950.	4.8	0
2741	Degradation of ochratoxins A and B by lipases: A kinetic study unraveled by molecular modeling. Heliyon, 2023, 9, e19921.	3.2	1
2742	Programmable and Selfâ€Healable Liquid Crystal Elastomer Actuators Based on Halogen Bonding. Angewandte Chemie, 2023, 135, .	2.0	0
2743	Ru(OAc) ₃ -Catalyzed Regioselective Difunctionalization of Alkynes: Access to (<i>E</i>)-2-Bromo-1-alkenyl Sulfonates. Organic Letters, 2023, 25, 7025-7029.	4.6	1
2744	Coverage-modulated halogen bond geometry transformation in supramolecular assemblies. Nanoscale, 2023, 15, 16354-16361.	5.6	2
2745	Halogen Bonding in Brominated BODIPY Crystals: a Crystallographic and Computational Study. Chemistry - A European Journal, 2023, 29, .	3.3	0
2746	Chalcogen Bond Catalysis with Telluronium Cations for Bromination Reaction: Importance of Electrostatic and Polarization Effects. Chemistry - A European Journal, 2023, 29, .	3.3	0
2747	Co-crystal sustained by π-type halogen-bonding interactions between 1,4-diiodoperchlorobenzene and naphthalene. Acta Crystallographica Section E: Crystallographic Communications, 2023, 79, 958-961.	0.5	0
2748	Microwave-assisted halogen-bond catalyzed CO2 conversion to cyclic carbonates. Tetrahedron Letters, 2023, 130, 154760.	1.4	2
2749	Cooperative assemblies featuring hydrogen bonding and C Hâ€¦ï€ interactions in 2-(methanesulfonamido)benzohydrazide derivatives: Experimental, computational and biochemical assessment. Journal of Molecular Structure, 2024, 1295, 136752.	3.6	1
2750	Halogen Bonding Tripodal Metalloâ€Receptors for Phosphate Recognition and Sensing in Aqueousâ€Containing Organic Media. Chemistry - A European Journal, 2024, 30, .	3.3	0
2751	Mechanistic insight into the role of typical microplastics in chlorination disinfection: Precursors and adsorbents of both MP-DOM and DBPs. Journal of Hazardous Materials, 2024, 462, 132716.	12.4	1
2752	X/Y platinum(<scp>ii</scp>) complexes: some features of supramolecular assembly <i>via</i> halogen bonding. Dalton Transactions, 0, , .	3.3	0
2753	Noncovalent interaction guided selectivity of haloaromatic isomers in a flexible porous coordination polymer. Chemical Science, 0, , .	7.4	0
2754	Push–Pull and Conventional Nitriles as Halogen Bond Acceptors in Their Cocrystals with Iodo-Substituted Perfluorobenzenes. Crystal Growth and Design, 0, , .	3.0	1
2755	Synthesis, X-ray characterization and DFT analysis of dicyanidoaurate telluronium salts: on the importance of charge assisted chalcogen bonds. Dalton Transactions, 0, , .	3.3	0
2756	One-pot cocrystallization of mononuclear and 1D cobalt(II) complexes based on flexible triclopyr and 2,2′-bipyridine coligands: Structural analyses, conformation comparison, non-covalent interactions and magnetic properties. Journal of Molecular Structure, 2024, 1297, 136830.	3.6	2

#	Article	IF	CITATIONS
2757	Gold(<scp>iii</scp>) derivatives as the noncovalent interaction donors: theoretical study of the ï€-hole regium bonds. Physical Chemistry Chemical Physics, 2023, 25, 29155-29164.	2.8	0
2758	An Experimental and Theoretical Insight into I ₂ /Br ₂ Oxidation of Bis(pyridinâ€2â€yl)Diselane and Ditellane. Chemistry - an Asian Journal, 2023, 18, .	3.3	0
2759	Halogenated Antimicrobial Agents to Combat Drug-Resistant Pathogens . Pharmacological Reviews, 0, , PHARMREV-AR-2023-000863.	16.0	0
2760	Dimeric cation-cation aggregates stabilized by 2Ch-2N chalcogen bonds: Crystallographic and theoretical evidences. Chemical Physics, 2024, 576, 112113.	1.9	2
2761	Carborane-based heteromolecular extended networks driven by directional C–Teâ⊄N chalcogen bonding interactions. Chemical Communications, 2023, 59, 13727-13730.	4.1	1
2762	Photophysical Properties of <i>S</i> = 5/2 Zigzag-1D (2-Bromoethylammonium) ₃ MnBr ₅ Antiferromagnet. Journal of Physical Chemistry Letters, 2023, 14, 9531-9538.	4.6	0
2763	Exploring the Effect of C ₆ H _{5-x} /F _x Br (x=0~3) Passivating Agent on Surface Properties at Different Termination: First principles. Physical Chemistry Chemical Physics, 0, , .	2.8	0
2764	The internal structure of gadolinium and perfluorocarbon-loaded polymer nanoparticles affects ¹⁹ F MRI relaxation times. Nanoscale, 2023, 15, 18068-18079.	5.6	1
2765	Exploring the role of metal in the biointeraction of metallacarboranes with C. elegans embryos Chemistry - A European Journal, O, , .	3.3	0
2766	Halogen Bonding and/or Covalent Bond: Analogy of 3c–4e N···Î····X (X = Cl, Br, I, and N) Interactions in Neutral, Cationic, and Anionic Complexes. Inorganic Chemistry, 0, , .	4.0	0
2767	Pd(II)-Mediated Activation of Halonitriles in Different Solvents: Role of Noncovalent Interactions and Isolation of a Pd(0)/Pd(II) Complex. Crystal Growth and Design, 0, , .	3.0	0
2768	Halogen bonding with carbon: directional assembly of non-derivatised aromatic carbon systems into robust supramolecular ladder architectures. Chemical Science, 0, , .	7.4	0
2769	Photochemical halogen-bonding assisted carbothiophosphorylation reactions of alkenyl and 1,3-dienyl bromides. Chemical Science, 2023, 14, 12767-12773.	7.4	5
2770	Macroscopic Helical Assembly of One-Dimensional Coordination Polymers: Helicity Inversion Triggered by Solvent Isomerism. Journal of the American Chemical Society, 2023, 145, 23948-23962.	13.7	3
2771	Relation between Halogen Bond Strength and IR and NMR Spectroscopic Markers. Molecules, 2023, 28, 7520.	3.8	1
2772	Recent developments in molecular modeling tools and applications related to pharmaceutical and biomedical research. Journal of Pharmaceutical and Biomedical Analysis, 2024, 238, 115836.	2.8	2
2773	Computational Insight into the Nature and Strength of the Ï€-Hole Type Chalcogenâ^™â^™â^™Chalcogen Interactions in the XO2â^™â^™â^™CH3YCH3 Complexes (X = S, Se, Te; Y = O, S, Se, Te). International Journal of Molecular Sciences, 2023, 24, 16193.	4.1	0
2774	Three-in-One: Dye-Volatile Cocrystals Exhibiting Intensity-Dependent Photochromic, Photomechanical, and Photocarving Response. Journal of the American Chemical Society, 0, , .	13.7	0

#	Article	IF	CITATIONS
2775	Cytotoxicity and reversal effect of sertraline, fluoxetine, and citalopram on MRP1- and MRP7-mediated MDR. Frontiers in Pharmacology, 0, 14, .	3.5	0
2776	Poly-pnictogen bonding: trapping halide ions by a tetradentate antimony(<scp>iii</scp>) Lewis acid. Chemical Science, 2023, 14, 13551-13559.	7.4	0
2777	Copper and silver heterometallic iodoantimonates: structure, thermal stability, and optical properties. Dalton Transactions, 2023, 52, 17752-17757.	3.3	0
2778	Influence of the organic cation on the formation of hexahalotechnetates: X-ray, thermal and comparative analyses of non-covalent interactions. Dalton Transactions, 2023, 52, 17538-17547.	3.3	0
2779	Chemistry of Hydrogen Sulfide—Pathological and Physiological Functions in Mammalian Cells. Cells, 2023, 12, 2684.	4.1	1
2780	Transition between the Noncovalency and Covalency of σ–Hole Bonds. Journal of Physical Chemistry A, 2023, 127, 9760-9770.	2.5	1
2781	Halogenâ€bonding boosting the high performance Xâ€ray imaging of organic scintillators. Small, 0, , .	10.0	1
2782	Novel Estrogen Receptor Inhibitory Mechanism for Halogen-containing Endocrine-disrupting Chemicals Discovered by Computer Simulation. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2023, 81, 1103-1109.	0.1	0
2783	Recent advances and prospects in organic molecule-based phototheranostic agents for enhanced cancer phototherapy. Coordination Chemistry Reviews, 2024, 501, 215560.	18.8	4
2784	Organocatalytic Friedel–Crafts arylation of aldehydes with indoles utilizing N-heterocyclic iod(az)olium salts as halogen-bonding catalysts. Green Chemistry, 2024, 26, 825-831.	9.0	2
2786	Quasi-atomic orbital analysis of halogen bonding interactions. Journal of Chemical Physics, 2023, 159, .	3.0	1
2787	Double Centrosymmetric Si··Ĩ€ Tetrel Bonds as New Synthons─Evidence from Crystal Structures and DFT Calculations. Journal of Physical Chemistry A, 2023, 127, 9995-10007.	2.5	1
2788	Chalcogen and Pnictogen Bonding-Modulated Multiple-Constituent Chiral Self-Assemblies. ACS Nano, 2023, 17, 21993-22003.	14.6	0
2789	Halogen effect in photomechanical molecular crystals. Journal of Materials Chemistry C, 2023, 11, 16452-16472.	5.5	0
2790	Halogen Bonding in the Decoration of Secondary Coordination Sphere of Zinc(II) and Cadmium(II) Complexes: Catalytic Application in Cycloaddition Reaction of CO ₂ with Epoxides. ACS Omega, 2023, 8, 42290-42300.	3.5	1
2791	Defect Compensation and Lattice Stabilization Enables High Voltage Output in Tin Halide Perovskite Solar Cells. Small, 0, , .	10.0	3
2792	Hetero-Halogen··Ĥalogen Interactions. Crystal Growth and Design, 2023, 23, 8474-8481.	3.0	0
2793	Halogen-Bond-Based Organocatalysis Unveiled: Computational Design and Mechanistic Insights. ACS Catalysis, 2023, 13, 15505-15515.	11.2	0

#	Article	IF	CITATIONS
2794	Supramolecular "baking powder†a hexameric halogen-bonded phosphonium salt cage encapsulates and functionalises small-molecule carbonyl compounds. Chemical Science, 2023, 15, 298-306.	7.4	0
2795	2,2′-Bipyridine Derivatives as Halogen Bond Acceptors in Multicomponent Crystals. Crystal Growth and Design, 2023, 23, 8482-8487.	3.0	0
2796	Supramolecular Assemblies of 3/4-Chlorobenzoic Acid and Amino-Chloropyridine Derivatives: Synthesis, X-ray Diffraction, DFT Calculations, and Biological Screening. Crystals, 2023, 13, 1663.	2.2	1
2797	Halogen bonding and mechanochemistry combined: synthesis, characterization, and application of <i>N</i> -iodosaccharin pyridine complexes. Organic Chemistry Frontiers, 0, , .	4.5	1
2798	Electrochemical Selective Mono―and Polychlorination of Substituted Thiophenes. European Journal of Organic Chemistry, 0, , .	2.4	0
2799	Spodium Bonds Involving Methylmercury and Ethylmercury in Proteins: Insights from X-ray Analysis and Computations. Inorganic Chemistry, 2023, 62, 18524-18532.	4.0	0
2800	A Trade-off between Solvation and Collision Activation in Steering Competing E2 and S _N 2 Dynamics. , 0, , .		0
2801	Affinity of Telluronium Chalcogen Bond Donors for Lewis Bases in Solution: A Critical Experimentalâ€Theoretical Joint Study. Chemistry - A European Journal, 0, , .	3.3	0
2803	Context-Dependent Significance of London Dispersion. Accounts of Chemical Research, 2023, 56, 3535-3544.	15.6	0
2804	<i>In vivo</i> stability of ²¹¹ At-radiopharmaceuticals: on the impact of halogen bond formation. RSC Medicinal Chemistry, 0, , .	3.9	0
2805	Hydrogen bond liquid cystals formed between pentyloxy benzoic acid and alkyl benzoic acids: chemical, optical, and thermal investigations. Ferroelectrics, 2023, 615, 29-48.	0.6	0
2806	Approximating Electrostatic Potential of Molecules with Point Charges Mimicking the Electron Pairs. Ukrainian Journal of Physics, 2023, 68, 673.	0.2	0
2807	Influence of Internal Angular Arrangement on Pnicogen Bond Strength. Inorganic Chemistry, 2023, 62, 20209-20218.	4.0	2
2808	Interplay of Hydrogen, Pnicogen, and Chalcogen Bonding in X(H ₂ O) _{<i>n</i>=1–5} (X = NO, NO ⁺ , and NO [–]) Complexes: Energetics Insights via a Molecular Tailoring Approach. Journal of Physical Chemistry A, O,	2.5	0
2809	Halogen bond catalysis of the [4+2] cycloaddition reaction of 2-alkenylindoles: catalytic modes and stereoselectivity. Physical Chemistry Chemical Physics, 2023, 26, 477-484.	2.8	1
2810	From Short―to Longâ€Range Chiral Recognition on Surfaces: Chiral Assembly and Synthesis. Small, 0, , .	10.0	0
2811	2D Hybrid Perovskites Employing an Organic Cation Paired with a Neutral Molecule. Journal of the American Chemical Society, 2023, 145, 27242-27247.	13.7	0
2812	DFT Simulation of Cluster Structures in Organic Systems. Russian Journal of Physical Chemistry A, 2023, 97, 2749-2754.	0.6	0

#	Article	IF	CITATIONS
2813	Synthesis and supramolecular properties of all- <i>cis</i> -2,4,6-trifluorocyclohexane-1,3,5-triol. Chemical Communications, 0, , .	4.1	0
2814	Aerobic Synthesis and Nucleophilicity of 2,3â€Dihydroindolizines. ChemistrySelect, 2023, 8, .	1.5	0
2815	One-pot cocrystallization of 1D linear and zigzag cobalt(II) polymers assembled by triclopyr and 4,4′-bipyridine: Structural comparison, conformational analysis, non-covalent interactions as well as the magnetic property of the latter. Polyhedron, 2024, 249, 116791.	2.2	0
2816	Fluorescent and colorimetric sensors for anions: Highlights from 2020 to 2022. Coordination Chemistry Reviews, 2024, 501, 215561.	18.8	4
2817	Quasi 3D electronic structures of Dion–Jacobson layered perovskites with exceptional short interlayer distances. Journal of Materials Chemistry C, 0, , .	5.5	0
2818	A strategy for obtaining isostructurality despite structural diversity in coordination compounds. CrystEngComm, 0, , .	2.6	0
2819	Enhancing photovoltaic efficiency with SQI-Br and SQI-I sensitizers: A comparative analysis. Open Chemistry, 2023, 21, .	1.9	0
2820	The linear response function as a descriptor of non-covalent interactions: hydrogen and halogen bonds. Theoretical Chemistry Accounts, 2024, 143, .	1.4	1
2821	Analysis of short contacts in crystals of halogenated amino acids: atom-atom interactions vs. energy frameworks. CrystEngComm, 0, , .	2.6	0
2822	Engineering Supramolecular Hybrid Architectures with Directional Organofluorine Bonds. Small Science, 2024, 4, .	9.9	0
2823	Halogen-engineered metal-organic frameworks enable high-performance electrochemical glucose sensing. New Journal of Chemistry, 0, , .	2.8	0
2824	Triiodide-Based Chair-Like Copper Complex Assembled by Halogen Bonding. Inorganic Chemistry, 0, , .	4.0	0
2825	Search for Osme Bonds with π Systems as Electron Donors. Molecules, 2024, 29, 79.	3.8	0
2826	Synergetic anion-cation co-doping in Na0.44MnO2 boosting a high-stability and improved-kinetics cathode for sodium ion battery. Energy Storage Materials, 2024, 65, 103161.	18.0	0
2827	Synthesis, Crystal Structure, Hirshfeld Surface Analysis, Energy Framework calculations, and halogen Bonding Investigation of Benzene-1,3,5-triyltris((4-chlorophenyl)methanone). Crystals, 2024, 14, 17.	2.2	0
2828	Potentiometric Monitoring of Iodide Ions Using a Highly Selective Iodide Sensor Based on Agl-Cu2S-Multi Walled Carbon Nano Tube Material. Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2023, 16, 714-730.	0.2	0
2829	Halogen Bonds of Halogen(I) Ions─Where Are We and Where to Go?. Journal of the American Chemical Society, 0, , .	13.7	0
2830	Hydrogen vs Halogen-Bonded R ₂ ² (8) Rings in Organic Crystal Structures. Crystal Growth and Design, 2024, 24, 859-870.	3.0	Ο

#	Article	IF	CITATIONS
2831	Ye Olde Supramolecular Chemistry, its Modern Rebranding and Overarching Trends in Chemistry. Dalton Transactions, 0, , .	3.3	0
2832	A Model Halogen-Bonded Network as a Potential Tube-like Host for Li+: A DFT Study. Inorganics, 2024, 12, 16.	2.7	0
2833	Crystal Clear: Decoding Isocyanide Intermolecular Interactions through Crystallography. Journal of Organic Chemistry, 2024, 89, 957-974.	3.2	0
2834	Structures and stability of <scp>I₂</scp> and <scp>ICI</scp> complexes with pyridine: Ab initio and <scp>DFT</scp> study. Journal of Computational Chemistry, 2024, 45, 903-914.	3.3	0
2835	X-ray crystallographic structure of a novel enantiopure chiral isothiourea with potential applications in enantioselective synthesis. Acta Crystallographica Section C, Structural Chemistry, 2024, 80, 15-20.	0.5	0
2836	Perfluorohalogenated naphthalenes: synthesis, crystal structure, and intermolecular interaction. CrystEngComm, 2024, 26, 764-772.	2.6	0
2837	Dichotomy of ï€-stacking-directing noncovalent forces in organic–inorganic planar assemblies: the case of halo-substituted benzoquinones ï€-stacked with a platinum(<scp>ii</scp>) square-plane. Inorganic Chemistry Frontiers, 2024, 11, 1252-1265.	6.0	0
2838	Halogen Bond Catalysis: A Physical Chemistry Perspective. Journal of Physical Chemistry A, 2024, 128, 507-527.	2.5	0
2839	Nitromethane assisted BrÃ,nsted acid catalyzed regioselective halogenation of alkyl aromatics. Molecular Catalysis, 2024, 553, 113777.	2.0	0
2840	Visible Light-Assisted Ring-Opening of Cyclic Ethers with Carboxylic Acids Mediated by Triphenylphosphine and <i>N</i> -Halosuccinimides. Organic Letters, 2024, 26, 172-177.	4.6	0
2841	Rational Construction of Molecular Electron-Conducting Nanowires Encapsulated in Proton-Conducting Matrix in a Charge-Transfer Salt. Springer Theses, 2024, , 11-35.	0.1	0
2843	Sorption of four antibiotics onto pristine biochar derived from macadamia nutshell. Bioresource Technology, 2024, 394, 130281.	9.6	1
2844	Supramolecular structure, Hirshfeld surface analysis, optical study and DFT calculations of a new chlorostannate(II) hybrid material. Journal of Molecular Structure, 2024, 1302, 137489.	3.6	0
2845	Design, synthesis and activity evaluation of pseudilin analogs against cyanobacteria as IspD inhibitors. Pesticide Biochemistry and Physiology, 2024, 199, 105769.	3.6	0
2846	Synthesis and self-assembly of the amphiphilic homopolymers poly(4-hydroxystyrene) and poly(4-(4-bromophenyloxy)styrene). Polymer Chemistry, 2024, 15, 565-576.	3.9	0
2847	Noncovalent interaction network of chalcogen, halogen and hydrogen bonds for supramolecular β-sheet organization. Chemical Communications, 2024, 60, 1484-1487.	4.1	0
2848	A Comprehensive Study of the Structure and Conformational Behavior of 5-Phenylthianthrenium Triflate. Russian Journal of General Chemistry, 2023, 93, S572-S576.	0.8	0
2849	Dioxygen–halogen bonding exemplified by crystalline peroxosolvates of <i>N</i> , <i>N</i> ′-bis(haloacetyl) bispidines. Physical Chemistry Chemical Physics, 2024, 26, 5195-5206.	2.8	0

#	Article	IF	CITATIONS
2850	Bending the bonds: unveiling halogen interactions in the elastic polymorph of 2,5-bis(3-bromophenyl)furan. Journal of Applied Crystallography, 2024, 57, 104-114.	4.5	0
2851	Roles of electrostatics and intermolecular electronic motions in the structural and spectroscopic features of hydrogen- and halogen-bonded systems. Pure and Applied Chemistry, 2024, .	1.9	0
2852	Selective recognition and extraction of iodide from pure water by a tripodal selenoimidazol(ium)-based chalcogen bonding receptor. IScience, 2024, 27, 108917.	4.1	0
2853	Definition of the pnictogen bond (IUPAC Recommendations 2023). Pure and Applied Chemistry, 2024, 96, 135-145.	1.9	2
2854	Practical high-energy aqueous zinc-bromine static batteries enabled by synergistic exclusion-complexation chemistry. Joule, 2024, 8, 461-481.	24.0	0
2855	[(F ₆ acac)Pd(μ-HNC ₆ F ₅)] ₂ , a Large Family of Polymorphs and Solvates with Short F···F Contacts. ACS Omega, 2024, 9, 5395-5405.	3.5	0
2856	Estimate of the Câ^'Cl photoionization cross section and absolute photoionization cross sections of chlorinated organic compounds. ChemPhysChem, 2024, 25, .	2.1	0
2857	An extended supramolecular coordination compound produced from PbCl ₂ and <i>N</i> ′-isonicotinoylpicolinohydrazonamide. CrystEngComm, 2024, 26, 1252-1260.	2.6	0
2858	The Open and Closed Forms of a Perfluoro Diarylethene Photoswitch─Halogen Bonding, Network Topology, and CSD Analysis. Crystal Growth and Design, 2024, 24, 923-931.	3.0	0
2859	Exploring C–F··À-Ï€ Interactions: Synthesis, Characterization, and Surface Analysis of Copper β-Diketone Complexes. ACS Omega, 2024, 9, 5563-5575.	3.5	0
2860	Halogen Bonding versus Nucleophilic Substitution in the Co-Crystallization of Halomethanes and Amines. Crystals, 2024, 14, 124.	2.2	0
2861	Selective Activation of Chalcogen Bonding: An Efficient Structuring Tool toward Crystal Engineering Strategies. Accounts of Chemical Research, 2024, 57, 362-374.	15.6	0
2862	Types of noncovalent bonds within complexes of thiazole with CF ₄ and SiF ₄ . Physical Chemistry Chemical Physics, 2024, 26, 6127-6137.	2.8	0
2863	Regulation Strategies of Dynamic Organic Room-Temperature Phosphorescence Materials. , 2024, 1, 13-25.		0
2864	Synthesis of Vinyl and 1,3â€Dienyl Sulfones Enabled by Photochemical Excitation of Halogenâ€Bonding Complexes. Advanced Synthesis and Catalysis, 2024, 366, 1422-1429.	4.3	0
2865	Ultra-rapid and highly selective colorimetric detection of hydrochloric acid <i>via</i> an aggregation to dispersion change of gold nanoparticles. Chemical Communications, 2024, 60, 2808-2811.	4.1	0
2866	Medicinal Chemistry Strategies for the Modification of Bioactive Natural Products. Molecules, 2024, 29, 689.	3.8	0
2867	Phototransformation of halobenzoquinones in aqueous solution under the simulate sunlight: Kinetics, mechanism and products. Chemosphere, 2024, 352, 141318.	8.2	0

#	Article	IF	CITATIONS
2868	Adaptive liquid crystal polymers based on dynamic bonds: From fundamentals to functionalities. , 2024, 2, .		0
2869	The Missing Chalcogen Bonding Donor: Strongly Polarized Oxygen of Water. Journal of the American Chemical Society, 2024, 146, 3635-3639.	13.7	0
2870	Structural Variability in Cocrystals: Occurrence of Variable Stoichiometry and High <i>Z</i> ′ Forms in a Cocrystal System. Crystal Growth and Design, 2024, 24, 1695-1704.	3.0	0
2871	4,5-Diiodo-1- <i>H</i> -imidazole-derived linker ligand and Cu(<scp>i</scp>) and Co(<scp>ii</scp>) coordination polymers based thereupon. CrystEngComm, 2024, 26, 1607-1612.	2.6	0
2872	Antimicrobial Guanidinylate Polycarbonates Show Oral In Vivo Efficacy Against <i>Clostridioides Difficile</i> . Advanced Healthcare Materials, 0, , .	7.6	0
2873	Halogen-Bonded Supramolecular Parallelograms: From Self-Complementary Iodoalkyne Halogen-Bonded Dimers to 1:1 and 2:2 Iodoalkyne Halogen-Bonded Cocrystals. Crystal Growth and Design, 2024, 24, 1674-1681.	3.0	0
2874	A New Phase of the Octahedral Tellurium-Iodine Cluster Complex of Rhenium. Journal of Structural Chemistry, 2024, 65, 160-168.	1.0	1
2875	Relationship between molecular structure and corrugations in self-assembled polypeptoid nanosheets revealed by cryogenic electron microscopy. Physical Review Materials, 2024, 8, .	2.4	0
2876	Halogen Bonding as a Supramolecular Modulator of Crystal Packing and Exchange Interactions in Nitronyl Nitroxides. Crystal Growth and Design, 2024, 24, 2104-2116.	3.0	0
2877	Exploring the dynamics of halogen and hydrogen bonds in halogenated coumarins. Zeitschrift Fur Physikalische Chemie, 2024, .	2.8	0
2878	Recent trends in the synthesis and applications of β-iodovinyl sulfones: a decade of progress. Organic and Biomolecular Chemistry, 2024, 22, 2492-2509.	2.8	0
2879	Achieving a series of solid-state [2 + 2] cycloaddition reactions involving 1,2-bis(2-pyridyl)ethylene within halogen-bonded co-crystals. CrystEngComm, 2024, 26, 1349-1352.	2.6	0
2880	Photochromic Perovskite Nanocrystals for Ultraviolet Dosimetry. Small, 0, , .	10.0	0
2881	Synthesis of halogenated benzimidazolyl- <i>C</i> -nucleosides and their activity against <i>Leishmania major</i> and <i>Leishmania tropica</i> . New Journal of Chemistry, 2024, 48, 5605-5612.	2.8	0
2882	An emerging strategy towards the iodineâ€catalyzed synthesis of Streptindole and its derivatives in water medium. Asian Journal of Organic Chemistry, 0, , .	2.7	0
2883	Chalcogen- and Halogen-Bond-Donating Cyanoborohydrides Provide Imine Hydrogenation. Journal of Organic Chemistry, 2024, 89, 2916-2925.	3.2	0
2884	Fluorine-Enhanced Self-Assembled Bromotetrafluorobenzene–Acetonitrile Systems. Crystal Growth and Design, 2024, 24, 2014-2023.	3.0	0
2885	Directionality of Halogenâ€Bonds: Insights from 2D Energy Decomposition Analysis. Chemistry - an Asian Journal, 2024, 19, .	3.3	0

#	Article	IF	CITATIONS
2886	Assemblies of Sulfathiazole- and Sulfamethazine-Derived Thiourea: Polymorphs, Solvates, and Fluoride Detection. Crystal Growth and Design, 2024, 24, 1910-1925.	3.0	0
2887	Novel Fragment Inhibitors of PYCR1 from Docking-Guided X-ray Crystallography. Journal of Chemical Information and Modeling, 2024, 64, 1704-1718.	5.4	Ο
2888	Bromine substituent position of tetraphenylethylene-based luminogens effect on enhanced AIE and reversible mechanofluorochromic properties by halogen bonding. Dyes and Pigments, 2024, 225, 112063.	3.7	0
2889	Investigating Recurrent Matere Bonds in Pertechnetate Compounds. Chemistry - A European Journal, 2024, 30, .	3.3	0
2890	An Iodineâ€Chemisorption Binder for Highâ€Loading and Shuttleâ€Free Zn–Iodine Batteries. Advanced Energy Materials, 2024, 14, .	19.5	0
2891	Comparison of N···I and N···O Halogen Bonds in Organoiodine Cocrystals of Heterocyclic Aromatic Diazine Mono- <i>N</i> -oxides. Crystal Growth and Design, 2024, 24, 2425-2438.	3.0	0
2892	Solvent effects in anion recognition. Nature Reviews Chemistry, 2024, 8, 256-276.	30.2	0
2893	Combination of Hydrogen and Halogen Bonds in the Crystal Structures of 5-Halogeno-1H-isatin-3-oximes: Involvement of the Oxime Functionality in Halogen Bonding. Molecules, 2024, 29, 1174.	3.8	0
2895	Type II Halogen-Halogen Contacts in the Single-Crystal X-ray Diffraction Structure of a 1:1 Halogen-Bonded Cocrystal of 2,3,5,6-Tetramethylpyrazine and 1,3,4,5-Tetrabromo-2,6-difluorobenzene. Journal of Chemical Crystallography, 2024, 54, 150-156.	1.1	0
2896	A Charge–Charge Flux–Dipole Flux Analysis of Simple Molecular Systems with Halogen Bonds. Journal of Physical Chemistry A, 2024, 128, 2058-2071.	2.5	0
2897	Intermolecular interactions in 4-bromoaryl derived aldimines: X-ray structure, Hirshfeld surface analysis, DFT and molecular docking studies. Journal of Molecular Structure, 2024, 1308, 138032.	3.6	0
2898	Structural Insights on the Role of Halogen Bonding in Protein MEK Kinaseâ€Inhibitor Complexes. Chemistry - an Asian Journal, 2024, 19, .	3.3	0
2899	Drug Repositioning via Graph Neural Networks: Identifying Novel JAK2 Inhibitors from FDA-Approved Drugs through Molecular Docking and Biological Validation. Molecules, 2024, 29, 1363.	3.8	0
2900	Structural phase transition drives outright photoluminescence quenching and dielectric duple bistable switching. Inorganic Chemistry Frontiers, 2024, 11, 2290-2299.	6.0	0
2901	Combining Molecular Motion with a 2,6-Diiodo BODIPY to Engineer Highly Anisotropic Thermomechanical Properties in Organic Binary and Ternary Molecular Materials. Crystal Growth and Design, 2024, 24, 2864-2872.	3.0	0
2902	Perturbation of the Classic Binary Adduct C ₆ H ₆ :C ₆ F ₆ by Chlorine Substitution. Crystal Growth and Design, 2024, 24, 3021-3029.	3.0	0
2903	Evaluation of Concomitant Halogen and Pnictogen Bonds in Cocrystals of Imines Derived from 2-Nitrobenzaldehyde and 4-Haloaniline. Crystal Growth and Design, 2024, 24, 3010-3020.	3.0	0
2904	Rational Design of 2D Metal Halide Perovskites with Low Congruent Melting Temperature and Large Melt-Processable Window. Journal of the American Chemical Society, 2024, 146, 9272-9284.	13.7	0

#	Article	IF	CITATIONS
2905	Influence of the Coinage Metal(111) Surface on the Orientation of the I_f Hole and the Halogen Bonding Strength of Bromo/Iodobenzene. Journal of Physical Chemistry C, 2024, 128, 5848-5859.	3.1	0
2906	Design monolayer iodinenes based on halogen bond and tiling theory. Physical Review B, 2024, 109, .	3.2	0