

Giuseppe Resnati

List of Publications by Year in descending order

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327
papers

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356
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	The Halogen Bond. <i>Chemical Reviews</i> , 2016, 116, 2478-2601.	23.0	2,906
2	Halogen Bonding Based Recognition Processes: A World Parallel to Hydrogen Bonding. <i>Accounts of Chemical Research</i> , 2005, 38, 386-395.	7.6	1,781
3	Definition of the halogen bond (IUPAC Recommendations 2013). <i>Pure and Applied Chemistry</i> , 2013, 85, 1711-1713.	0.9	1,554
4	Halogen Bonding in Supramolecular Chemistry. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6114-6127.	7.2	1,446
5	Organic fluorine compounds: a great opportunity for enhanced materials properties. <i>Chemical Society Reviews</i> , 2011, 40, 3496.	18.7	1,133
6	Halogen Bonding: A Paradigm in Supramolecular Chemistry. <i>Chemistry - A European Journal</i> , 2001, 7, 2511-2519.	1.7	954
7	The Halogen Bond in the Design of Functional Supramolecular Materials: Recent Advances. <i>Accounts of Chemical Research</i> , 2013, 46, 2686-2695.	7.6	728
8	Halogen Bonding versus Hydrogen Bonding in Driving Self-Assembly Processes. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1782-1786.	7.2	477
9	Halogen bonding: a general route in anion recognition and coordination. <i>Chemical Society Reviews</i> , 2010, 39, 3772.	18.7	443
10	Halogen-bonding-triggered supramolecular gel formation. <i>Nature Chemistry</i> , 2013, 5, 42-47.	6.6	410
11	Halogen Versus Hydrogen. <i>Science</i> , 2008, 321, 918-919.	6.0	407
12	¹⁹ F Magnetic Resonance Imaging (MRI): From Design of Materials to Clinical Applications. <i>Chemical Reviews</i> , 2015, 115, 1106-1129.	23.0	401
13	Halogen bonding in halocarbon-protein complexes: a structural survey. <i>Chemical Society Reviews</i> , 2011, 40, 2267.	18.7	399
14	The fluorous effect in biomolecular applications. <i>Chemical Society Reviews</i> , 2012, 41, 31-42.	18.7	384
15	Halogen Bonding and π - π Stacking Control Reactivity in the Solid State. <i>Journal of the American Chemical Society</i> , 2004, 126, 4500-4501.	6.6	359
16	Crystal Engineering through Halogen Bonding: Complexes of Nitrogen Heterocycles with Organic Iodides. <i>Crystal Growth and Design</i> , 2001, 1, 165-175.	1.4	333
17	The Chalcogen Bond in Crystalline Solids: A World Parallel to Halogen Bond. <i>Accounts of Chemical Research</i> , 2019, 52, 1313-1324.	7.6	333
18	Halogen bonding in metal-organic supramolecular networks. <i>Coordination Chemistry Reviews</i> , 2010, 254, 677-695.	9.5	332

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19	Synthesis of chiral and bioactive fluoroorganic compounds. <i>Tetrahedron</i> , 1993, 49, 9385-9445.	1.0	330
20	Halogen Bonding. , 2008, , .		322
21	Definition of the chalcogen bond (IUPAC Recommendations 2019). <i>Pure and Applied Chemistry</i> , 2019, 91, 1889-1892.	0.9	322
22	The σ -hole revisited. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 32166-32178.	1.3	319
23	Nonporous Organic Solids Capable of Dynamically Resolving Mixtures of Diiodoperfluoroalkanes. <i>Science</i> , 2009, 323, 1461-1464.	6.0	259
24	A Halogen-Bonding-Based Heteroditopic Receptor for Alkali Metal Halides. <i>Journal of the American Chemical Society</i> , 2005, 127, 14972-14973.	6.6	243
25	Preparation and properties of chiral fluoroorganic compounds. <i>Tetrahedron: Asymmetry</i> , 1990, 1, 661-692.	1.8	232
26	Fluorine-Centered Halogen Bonding: A Factor in Recognition Phenomena and Reactivity. <i>Crystal Growth and Design</i> , 2011, 11, 4238-4246.	1.4	225
27	The fluorine atom as a halogen bond donor, viz. a positive site. <i>CrystEngComm</i> , 2011, 13, 6593.	1.3	217
28	Transmembrane anion transport mediated by halogen-bond donors. <i>Nature Communications</i> , 2012, 3, 905.	5.8	217
29	Ditopic Ion Transport Systems: Anion- π Interactions and Halogen Bonds at Work. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11675-11678.	7.2	213
30	Engineering functional materials by halogen bonding. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1-15.	2.5	212
31	Resolution of Racemic 1,2-Dibromohexafluoropropane through Halogen-Bonded Supramolecular Helices. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2433-2436.	7.2	203
32	Supramolecular Hierarchy among Halogen-Bond Donors. <i>Chemistry - A European Journal</i> , 2013, 19, 16240-16247.	1.7	202
33	Halogen Bonding in Fluoroalkylhalides: A Quantum Chemical Study of Increasing Fluorine Substitution. <i>Journal of Physical Chemistry A</i> , 2000, 104, 1617-1620.	1.1	198
34	Naming Interactions from the Electrophilic Site. <i>Crystal Growth and Design</i> , 2014, 14, 2697-2702.	1.4	190
35	Halogen Bonding in Crystal Engineering. , 2007, , 105-136.		180
36	Halogen Bonding versus Hydrogen Bonding in Driving Self-Assembly and Performance of Light-Responsive Supramolecular Polymers. <i>Advanced Functional Materials</i> , 2012, 22, 2572-2579.	7.8	178

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37	Anion coordination and anion-templated assembly under halogen bonding control. <i>CrystEngComm</i> , 2009, 11, 1187.	1.3	158
38	Type II halogen-halogen contacts are halogen bonds. <i>IUCrJ</i> , 2014, 1, 5-7.	1.0	156
39	Halogen bonding and other noncovalent interactions involving halogens: a terminology issue. <i>CrystEngComm</i> , 2006, 8, 946.	1.3	151
40	Halogen Bonding: Where We Are and Where We Are Going. <i>Crystal Growth and Design</i> , 2012, 12, 5835-5838.	1.4	144
41	Perfluorocarbon-hydrocarbon self-assembly. <i>Journal of Fluorine Chemistry</i> , 2002, 114, 27-33.	0.9	143
42	Nâ€¦â€¦Br Halogen Bonding: One-Dimensional Infinite Chains through the Self-Assembly of Dibromotetrafluorobenzenes with Dipyrindyl Derivatives. <i>Chemistry - A European Journal</i> , 2003, 9, 3974-3983.	1.7	141
43	Fluorinated liquid crystals formed by halogen bonding. <i>Chemical Communications</i> , 2006, , 3290-3292.	2.2	129
44	Perfluorocarbon-hydrocarbon self-assembly. Part 3. Liquid phase interactions between perfluoroalkylhalides and heteroatom containing hydrocarbons. <i>Tetrahedron Letters</i> , 1998, 39, 9069-9072.	0.7	127
45	Perfluorocarbon-Hydrocarbon Self-Assembling. 1D Infinite Chain Formation Driven by Nitrogen-Iodine Interactions. <i>Journal of the American Chemical Society</i> , 1998, 120, 8261-8262.	6.6	125
46	Highly Interpenetrated Supramolecular Networks Supported by Nâ€¦â€¦I Halogen Bonding. <i>Chemistry - A European Journal</i> , 2007, 13, 5765-5772.	1.7	124
47	Intermolecular recognition between hydrocarbon oxygen-donors and perfluorocarbon iodine-acceptors: the shortest Oâ€¦I non-covalent bond. <i>Tetrahedron</i> , 2001, 57, 8543-8550.	1.0	118
48	Structure-Function Relationships in Liquid-Crystalline Halogen-Bonded Complexes. <i>Chemistry - A European Journal</i> , 2010, 16, 9511-9524.	1.7	117
49	Mesogenic, trimeric, halogen-bonded complexes from alkoxystilbazoles and 1,4-diodotetrafluorobenzene. <i>New Journal of Chemistry</i> , 2008, 32, 477-482.	1.4	114
50	2-Iodo-imidazolium receptor binds oxoanions via charge-assisted halogen bonding. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1329.	1.5	113
51	A Superfluorinated Molecular Probe for Highly Sensitive <i>in Vivo</i> ¹⁹ F-MRI. <i>Journal of the American Chemical Society</i> , 2014, 136, 8524-8527.	6.6	113
52	Tuning second-order NLO responses through halogen bonding. <i>Chemical Communications</i> , 2007, , 2590.	2.2	110
53	Pnictogen bonding in coordination chemistry. <i>Coordination Chemistry Reviews</i> , 2020, 418, 213381.	9.5	110
54	Supramolecular interactions in the solid state. <i>IUCrJ</i> , 2015, 2, 675-690.	1.0	108

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55	The Nâ€¦I Intermolecular Interaction as a General Protocol for the Formation of Perfluorocarbonâ€¦Hydrocarbon Supramolecular Architectures 1. <i>Tetrahedron</i> , 2000, 56, 5535-5550.	1.0	103
56	N-fluorobis[(trifluoromethyl)sulfonyl]imide: an efficient reagent for the .alpha.-fluorination of functionalized carbonyl compounds. <i>Journal of Organic Chemistry</i> , 1991, 56, 4925-4929.	1.7	102
57	Mutual induced coordination in halogen-bonded anionic assemblies with (6,3) cation-templated topologies. <i>Chemical Communications</i> , 2008, , 1635.	2.2	100
58	Halogen Bonding and Pharmaceutical Cocrystals: The Case of a Widely Used Preservative. <i>Molecular Pharmaceutics</i> , 2013, 10, 1760-1772.	2.3	99
59	Combining halogen bonds and hydrogen bonds in the modular assembly of heteromeric infinite 1-D chains. <i>Chemical Communications</i> , 2007, , 4236.	2.2	96
60	Metric engineering of supramolecular Borromean rings. <i>Chemical Communications</i> , 2006, , 1819.	2.2	93
61	Molecular and Supramolecular Homochirality: Enantiopure Perfluorocarbon Rotamers and Halogen-Bonded Fluorous Double Helices. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1915-1918.	7.2	93
62	Polyfluorinated Oxaziridines:Â Synthesis and Reactivity. <i>Chemical Reviews</i> , 1996, 96, 1809-1824.	23.0	90
63	Supramolecular Route to Fluorinated Coatings: Self-Assembly Between Poly(4-vinylpyridines) and Haloperfluorocarbons. <i>Advanced Materials</i> , 2002, 14, 1197-1201.	11.1	90
64	Dimensional encapsulation of Iâ€¦Iâ€¦I in an organic salt crystal matrix. <i>Chemical Communications</i> , 2010, 46, 2724.	2.2	89
65	Recognition of Polyfluorinated Compounds Through Self-Aggregation in a Cavity. <i>Journal of the American Chemical Society</i> , 2014, 136, 1786-1788.	6.6	88
66	Dynamic Characterization of Crystalline Supramolecular Rotors Assembled through Halogen Bonding. <i>Journal of the American Chemical Society</i> , 2015, 137, 15386-15389.	6.6	88
67	Supramolecular amplification of amyloid self-assembly by iodination. <i>Nature Communications</i> , 2015, 6, 7574.	5.8	88
68	Supramolecular hierarchy among halogen and hydrogen bond donors in light-induced surface patterning. <i>Journal of Materials Chemistry C</i> , 2015, 3, 759-768.	2.7	87
69	Transamination of fluorinated I ² -keto carboxylic esters. A biomimetic approach to I ² -polyfluoroalkyl-I ² -amino acids.. <i>Tetrahedron Letters</i> , 1993, 34, 3621-3624.	0.7	84
70	Fluorous Interpenetrated Layers in a Three-Component Crystal Matrix. <i>Crystal Growth and Design</i> , 2003, 3, 355-361.	1.4	84
71	Halogen Bond Distance as a Function of Temperature. <i>Crystal Growth and Design</i> , 2004, 4, 291-295.	1.4	83
72	Photoalignment and Surfaceâ€¦Reliefâ€¦Grating Formation are Efficiently Combined in Lowâ€¦Molecularâ€¦Weight Halogenâ€¦Bonded Complexes. <i>Advanced Materials</i> , 2012, 24, OP345-52.	11.1	80

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73	Halogen bonding in hypervalent iodine and bromine derivatives: halonium salts. <i>IUCrj</i> , 2017, 4, 411-419.	1.0	80
74	Chemo-enzymatic approach to the synthesis of each of the four isomers of α -alkyl- β -fluoroalkyl-substituted β -amino acids. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 1225-1228.	1.8	77
75	Mild and selective oxyfunctionalization of hydrocarbons by perfluorodialkylloxaziridines. <i>Journal of the American Chemical Society</i> , 1993, 115, 4897-4898.	6.6	75
76	Crystal engineering of brominated tectons: N-methyl-3,5-dibromo-pyridinium iodide gives particularly short C \cdots Br \cdots I halogen bonding. <i>New Journal of Chemistry</i> , 2004, 28, 760-763.	1.4	75
77	An Adaptable and Dynamically Porous Organic Salt Traps Unique Tetrahalide Dianions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13444-13448.	7.2	73
78	Fluorinated elements of Group 15 as pnictogen bond donor sites. <i>Journal of Fluorine Chemistry</i> , 2017, 203, 62-74.	0.9	71
79	Halogen bonding driven self-assembly of fluorocarbons and hydrocarbons. <i>Current Opinion in Colloid and Interface Science</i> , 2003, 8, 215-222.	3.4	70
80	Perfluorocarbon-hydrocarbons self-assembly: halogen bonding mediated intermolecular recognition. <i>Journal of Fluorine Chemistry</i> , 2004, 125, 271-281.	0.9	70
81	C(sp ³) atoms as tetrel bond donors: A crystallographic survey. <i>Coordination Chemistry Reviews</i> , 2020, 413, 213265.	9.5	69
82	Infrared and Raman analyses of the halogen-bonded non-covalent adducts formed by α,β -diiodoperfluoroalkanes with DABCO and other electron donors. <i>Journal of Molecular Structure</i> , 2000, 524, 87-94.	1.8	68
83	Halogen Bonding in Conducting or Magnetic Molecular Materials. , 2007, , 181-207.		67
84	Self-Complementary Nonlinear Optical-Phores Targeted to Halogen Bond-Driven Self-Assembly of Electro-Optic Materials. <i>Crystal Growth and Design</i> , 2011, 11, 5642-5648.	1.4	67
85	Halogen-bonded mesogens direct polymer self-assemblies up to millimetre length scale. <i>Nature Communications</i> , 2014, 5, 4043.	5.8	66
86	Metric engineering of perfluorocarbon \cdots hydrocarbon layered solids driven by the halogen bonding. <i>Chemical Communications</i> , 2004, , 1492-1493.	2.2	65
87	Solid state synthesis under supramolecular control of a 2D heterotetrapotic self-complementary tecton tailored to halogen bonding. <i>New Journal of Chemistry</i> , 2006, 30, 1397.	1.4	65
88	Polymer-Based Photocatalytic Hydrogen Generation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10944-10949.	1.5	65
89	Anisotropic ionic conductivity in fluorinated ionic liquid crystals suitable for optoelectronic applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6572.	5.2	64
90	Perfluorocarbon-hydrocarbon self-assembly. Part 6:1 α,β -Diiodoperfluoroalkanes as pseudohalogens in supramolecular synthesis. <i>Tetrahedron Letters</i> , 1999, 40, 7519-7523.	0.7	63

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91	Noncovalent paramagnetic complexes: detection of halogen bonding in solution by ESR spectroscopy. <i>Tetrahedron Letters</i> , 2006, 47, 3265-3269.	0.7	63
92	Hydrogen and halogen bonding drive the orthogonal self-assembly of an organic framework possessing 2D channels. <i>Chemical Communications</i> , 2012, 48, 8207.	2.2	63
93	Close contacts and noncovalent interactions in crystals. <i>Faraday Discussions</i> , 2017, 203, 113-130.	1.6	62
94	Activation of Cell-Penetrating Peptides with Ionpair π - π Interactions and Fluorophiles. <i>Journal of the American Chemical Society</i> , 2016, 138, 11264-11271.	6.6	61
95	Chalcogen bonding in coordination chemistry. <i>Coordination Chemistry Reviews</i> , 2022, 464, 214556.	9.5	61
96	Halide anions driven self-assembly of haloperfluoroarenes: Formation of one-dimensional non-covalent copolymers. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 1171-1177.	0.9	60
97	Halogen bond directionality translates tecton geometry into self-assembled architecture geometry. <i>CrystEngComm</i> , 2013, 15, 3102.	1.3	60
98	Anion $\cdots\pi$ Anion Interactions Involving π -Holes of Perrhenate, Pertechnetate and Permanganate Anions. <i>ChemPhysChem</i> , 2021, 22, 2281-2285.	1.0	60
99	Perfluorocarbon \cdots Hydrocarbon Self-Assembly: First Crystalline Halogen-Bonded Complex Involving Bromoperfluoroalkanes. <i>Crystal Growth and Design</i> , 2003, 3, 799-803.	1.4	59
100	Halogen Bonding with Dihalogens and Interhalogens. , 2007, , 65-104.		59
101	The quest for a molecular capsule assembled via halogen bonds. <i>CrystEngComm</i> , 2012, 14, 6366.	1.3	59
102	Molecular Electrostatic Potential and Noncovalent Interactions in Derivatives of Group 8 Elements. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20723-20727.	7.2	58
103	Superfluorinated Ionic Liquid Crystals Based on Supramolecular, Halogen-Bonded Anions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6300-6304.	7.2	56
104	Halogen-bonded Liquid Crystals. , 2007, , 161-180.		55
105	Halogen-Bond-Assisted Guest Inclusion in a Synthetic Cavity. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8411-8414.	7.2	55
106	Dendrimeric Tectons in Halogen Bonding-Based Crystal Engineering. <i>Crystal Growth and Design</i> , 2008, 8, 654-659.	1.4	54
107	Novel pyrimidine and 1,3,5-triazine hypolipemic agents. <i>Journal of Medicinal Chemistry</i> , 1984, 27, 1621-1629.	2.9	53
108	Oxyfunctionalization reactions by perfluoro cis-2,3-dialkyloxaziridines. Enantioselective conversion of silanes into silanols. <i>Tetrahedron Letters</i> , 1994, 35, 6329-6330.	0.7	53

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109	Fluorination promotes chalcogen bonding in crystalline solids. <i>CrystEngComm</i> , 2017, 19, 4955-4959.	1.3	53
110	Direct Oxyfunctionalization at Unactivated Sites. Synthesis of 5.beta.-Hydroxysteroids by Perfluorodialkyloxaziridines. <i>Journal of Organic Chemistry</i> , 1994, 59, 5511-5513.	1.7	51
111	Dimensional caging of polyiodides: cation-templated synthesis using bipyridinium salts. <i>CrystEngComm</i> , 2011, 13, 4411.	1.3	50
112	Interactions at the outside faces of calix. <i>Chemistry - A European Journal</i> , 2000, 6, 3495-3500.	1.7	49
113	Synthesis of (S)-.beta.,.beta.,.beta.-trifluorolactic acid and (S)-.alpha.-methoxy-.alpha.-(trifluoromethyl)phenylacetic acid from (R)-methyl p-tolyl sulfoxide. <i>Journal of Organic Chemistry</i> , 1990, 55, 4216-4218.	1.7	48
114	Halide anion-templated assembly of di- and triiodoperfluorobenzenes into 2D and 3D supramolecular networks. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 1165-1172.	0.9	48
115	Interplay between Structural and Dielectric Features of New Low k Hybrid Organicâ€“Organometallic Supramolecular Ribbons. <i>Crystal Growth and Design</i> , 2012, 12, 297-305.	1.4	48
116	Polymorphs and co-crystals of haloprogin: an antifungal agent. <i>CrystEngComm</i> , 2014, 16, 5897-5904.	1.3	48
117	Resonance Assisted Chalcogen Bonding as a New Synthons in the Design of Dyes. <i>Chemistry - A European Journal</i> , 2020, 26, 14833-14837.	1.7	48
118	A practical route to fluoroalkyl- and fluoroarylamines by base-catalyzed [1,3]-proton shift reaction. <i>Tetrahedron Letters</i> , 1994, 35, 3119-3122.	0.7	47
119	Design and Synthesis of New Tectons for Halogen Bonding-driven Crystal Engineering. <i>Supramolecular Chemistry</i> , 2003, 15, 177-188.	1.5	47
120	Orthogonal halogen and hydrogen bonds involving a peptide bond model. <i>CrystEngComm</i> , 2014, 16, 8102-8105.	1.3	47
121	Binding Energies and ¹⁹ F Nuclear Magnetic Deshielding in Paramagnetic Halogen-Bonded Complexes of TEMPO with Haloperfluorocarbons. <i>Journal of Physical Chemistry A</i> , 2008, 112, 9911-9918.	1.1	46
122	Metal-bound halogen atoms in crystal engineering. <i>Chemical Communications</i> , 2013, 49, 1783.	2.2	46
123	Efficient Light-Induced Phase Transitions in Halogen-Bonded Liquid Crystals. <i>Chemistry of Materials</i> , 2016, 28, 8314-8321.	3.2	46
124	Halogen Bonding in Hypervalent Iodine Compounds. <i>Topics in Current Chemistry</i> , 2016, 373, 289-309.	4.0	46
125	Anionâ€“Anion Coinage Bonds: The Case of Tetrachloridoaurate. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14385-14389.	7.2	46
126	Mild and Selective Oxygenation of Sulfides to Sulfoxides and Sulfones by Perfluoro-cis-2,3-dialkyloxaziridines. <i>Journal of Organic Chemistry</i> , 1994, 59, 2762-2765.	1.7	45

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127	Perfluorocarbon- π -hydrocarbon self-assembly. Part 16: Anilines as new electron donor modules for halogen bonded infinite chain formation. <i>Tetrahedron</i> , 2002, 58, 4023-4029.	1.0	45
128	Halogen bonding enhances nonlinear optical response in poled supramolecular polymers. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3003-3006.	2.7	44
129	Trifluoromethyl vs. methyl ability to direct enantioselection in microbial reduction of carbonyl substrates. <i>Tetrahedron</i> , 1998, 54, 2809-2818.	1.0	43
130	Perfluorocarbon- π -hydrocarbon self assembling. Thermal and vibrational analyses of one-dimensional networks formed by β , γ -diiodoperfluoroalkanes with K.2.2. and K.2.2.2.. <i>Journal of Fluorine Chemistry</i> , 1998, 91, 191-194.	0.9	43
131	Preparation and characterization of superhydrophobic conductive fluorinated carbon blacks. <i>Carbon</i> , 2010, 48, 4382-4390.	5.4	43
132	Halogen and chalcogen team up. <i>Nature Chemistry</i> , 2012, 4, 437-438.	6.6	43
133	Synthesis and pharmacological evaluation of enantiomerically pure 4-deoxy-4-fluoromuscarnines. <i>Journal of Medicinal Chemistry</i> , 1992, 35, 3102-3110.	2.9	42
134	An efficient entry to perfluoroalkyl substituted azoles starting from β -perfluoroalkyl- β -dicarbonyl compounds. <i>Tetrahedron</i> , 1994, 50, 8827-8836.	1.0	42
135	Close contacts involving germanium and tin in crystal structures: experimental evidence of tetrel bonds. <i>Journal of Molecular Modeling</i> , 2018, 24, 37.	0.8	42
136	Charge-Assisted Chalcogen Bonds: CSD and DFT Analyses and Biological Implication in Glucosidase Inhibitors. <i>Chemistry - A European Journal</i> , 2020, 26, 4599-4606.	1.7	42
137	Crown ethers as pre-organised exo-receptors in the divergent recognition of β , γ -diiodoperfluoroalkanes. <i>New Journal of Chemistry</i> , 2000, 24, 777-780.	1.4	41
138	Multinuclear Solid-State Magnetic Resonance as a Sensitive Probe of Structural Changes upon the Occurrence of Halogen Bonding in Co-crystals. <i>Chemistry - A European Journal</i> , 2013, 19, 11949-11962.	1.7	41
139	Unexpected chalcogen bonds in tetravalent sulfur compounds. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11313-11319.	1.3	41
140	Halogen bonding driven self-assembly of (E)-1,2-diiodo-1,2-difluoroethene with nitrogen substituted hydrocarbons. <i>Tetrahedron Letters</i> , 2003, 44, 645-648.	0.7	40
141	Dipyridinocalixcrown/diiodoperfluorocarbon binary host systems for CsI: structural studies and fluoruous phase extraction of caesium. <i>Tetrahedron</i> , 2007, 63, 4951-4958.	1.0	40
142	Supramolecular rods via halogen bonding-based self-assembly of fluorinated phosphazene nanopillars. <i>Inorganica Chimica Acta</i> , 2007, 360, 1191-1199.	1.2	40
143	Push-pull-supramolecular chromophores supported on cyclopolymers. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5202-5213.	2.5	40
144	Para fluorination by N-fluorobis[(trifluoromethyl)sulfonyl]imide: synthesis of 10.beta.-fluoro-3-oxo-1,4-estradiene steroids. <i>Journal of Organic Chemistry</i> , 1992, 57, 1536-1539.	1.7	38

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145	Spontaneous resolution in a halogen bonded supramolecular architecture. <i>Chemical Communications</i> , 2005, , 1534.	2.2	38
146	Site-selective supramolecular synthesis of halogen-bonded cocrystals incorporating the photoactive azo group. <i>CrystEngComm</i> , 2008, 10, 1132.	1.3	38
147	Ion-pair separation via selective inclusion/segregation processes. <i>CrystEngComm</i> , 2009, 11, 1204.	1.3	38
148	Solid-state synthesis of mixed trihalides via reversible absorption of dihalogens by non porous onium salts. <i>CrystEngComm</i> , 2011, 13, 4427.	1.3	38
149	Electrophilic fluorination of pharmacologically active 1,3-dicarbonyl compounds. <i>Journal of Organic Chemistry</i> , 1992, 57, 4281-4284.	1.7	37
150	A polyfluoroalkyl imidazolium ionic liquid as iodide ion source in dye sensitized solar cells. <i>Organic Electronics</i> , 2012, 13, 2474-2478.	1.4	37
151	Natural Abundance ^{15}N and ^{13}C Solid State NMR Chemical Shifts: High Sensitivity Probes of the Halogen Bond Geometry. <i>Chemistry - A European Journal</i> , 2016, 22, 16819-16828.	1.7	37
152	Chalcogen Bonds Involving Selenium in Protein Structures. <i>ACS Chemical Biology</i> , 2021, 16, 1622-1627.	1.6	37
153	Asymmetric synthesis and structural analysis of 5-O-benzoyl-2,3-dideoxy-3-fluoro- α,β -D-ribofuranose and -xylofuranose from homochiral 1-fluoro-3-sulfinylacetone. <i>Journal of Organic Chemistry</i> , 1989, 54, 5171-5176.	1.7	36
154	Hybrid Calixarene/Inorganic Salt/Diiodoperfluorocarbon Supramolecular Assemblies. <i>Supramolecular Chemistry</i> , 2006, 18, 235-243.	1.5	36
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