

# Giuseppe Resnati

## List of Publications by Year in descending order

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327  
papers

30,151  
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9234

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#	ARTICLE	IF	CITATIONS
1	Diaryliodonium Tetracyanidometallates Self-Assemble into Halogen-Bonded Square-Like Arrays. <i>Crystal Growth and Design</i> , 2022, 22, 2749-2758.	1.4	5
2	Zwitterionic iodonium species afford halogen bond-based porous organic frameworks. <i>Chemical Science</i> , 2022, 13, 5650-5658.	3.7	16
3	Chalcogen bonding in coordination chemistry. <i>Coordination Chemistry Reviews</i> , 2022, 464, 214556.	9.5	61
4	Expanding the toolbox of the coinage bond: adducts involving new gold( <i>iii</i> ) derivatives and bioactive molecules. <i>CrystEngComm</i> , 2022, 24, 3846-3851.	1.3	8
5	Chalcogen and Hydrogen Bonds at the Periphery of Arylhydrazone Metal Complexes. <i>Crystal Growth and Design</i> , 2022, 22, 3932-3940.	1.4	12
6	Open versus Interpenetrated: Switchable Supramolecular Trajectories in Mechanosynthesis of a Halogen-Bonded Borromean Network. <i>CheM</i> , 2021, 7, 146-154.	5.8	17
7	Tetrel and Pnictogen Bonds Complement Hydrogen and Halogen Bonds in Framing the Interactional Landscape of Barbituric Acids. <i>Crystal Growth and Design</i> , 2021, 21, 642-652.	1.4	26
8	Tuning of Ionic Liquid Crystal Properties by Combining Halogen Bonding and Fluorous Effect. <i>ChemPlusChem</i> , 2021, 86, 469-474.	1.3	8
9	Anion-π-π-π Anion Coinage Bonds: The Case of Tetrachloridoaurate. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14385-14389.	7.2	46
10	Anion-π-π-π Anion Coinage Bonds: The Case of Tetrachloridoaurate. <i>Angewandte Chemie</i> , 2021, 133, 14506-14510.	1.6	4
11	Chalcogen Bonds in Selenocysteine Seleninic Acid, a Functional GPx Constituent, and in Other Seleninic or Sulfinic Acid Derivatives. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2351-2360.	1.7	12
12	Diaryliodonium Tetrachloroplatinates(II): Recognition of a Trifurcated Metal-Involving $\frac{1}{4} \times 3$ -IA $\cdot\hat{A}\cdot\hat{A}$ (Cl,Cl,Pt) Halogen Bond. <i>Crystal Growth and Design</i> , 2021, 21, 5360-5372.	1.4	23
13	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
14	Molecular Electrostatic Potential and Noncovalent Interactions in Derivatives of Group 8 Elements. <i>Angewandte Chemie</i> , 2021, 133, 20891-20895.	1.6	9
15	Chalcogen Bonds Involving Selenium in Protein Structures. <i>ACS Chemical Biology</i> , 2021, 16, 1622-1627.	1.6	37
16	Anion-π-π-π Anion Interactions Involving $\text{f}^{\text{H}}$ Holes of Perrhenate, Pertechnetate and Permanganate Anions. <i>ChemPhysChem</i> , 2021, 22, 2281-2285.	1.0	60
17	Osme bond: anisotropic distribution of electron density in action. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2021, 77, C800-C800.	0.0	2
18	Tetrel bond: dipyriddy methylene as a donor site. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2021, 77, C805-C805.	0.0	1

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19	Seleninic acids as chalcogen-bond donors: a molecular insight of GPx activity. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2021, 77, C621-C621.	0.0	2
20	Gold(III) as an effective electrophilic site, namely coinage bond donor: assembly of AuCl <sub>4</sub> <sup>-</sup> units into supramolecular anionic polymers. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2021, 77, C214-C214.	0.0	1
21	4,4'-Dipyridyl Dioxide-SbF <sub>3</sub> Cocrystal: Pnictogen Bond Prevails over Halogen and Hydrogen Bonds in Driving Self-Assembly. <i>Crystal Growth and Design</i> , 2020, 20, 916-922.	1.4	25
22	Binding motif of ebselen in solution: chalcogen and hydrogen bonds team up. <i>New Journal of Chemistry</i> , 2020, 44, 20697-20703.	1.4	20
23	Radical-radical chalcogen bonds: CSD analysis and DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12757-12765.	1.3	10
24	Resonance Assisted Chalcogen Bonding as a New Synthone in the Design of Dyes. <i>Chemistry - A European Journal</i> , 2020, 26, 14833-14837.	1.7	48
25	The Relevance of Size Matching in Self-assembly: Impact on Regio- and Chemoselective Cocrystallizations. <i>Chemistry - A European Journal</i> , 2020, 26, 11701-11704.	1.7	5
26	C(sp <sup>3</sup> ) atoms as tetrel bond donors: A crystallographic survey. <i>Coordination Chemistry Reviews</i> , 2020, 413, 213265.	9.5	69
27	Halogenation of the N-terminus Tyrosine 10 Promotes Supramolecular Stabilization of the Amyloid <sup>12</sup> Sequence 7-12. <i>ChemistryOpen</i> , 2020, 9, 253-260.	0.9	6
28	Enhanced self-assembly of the 7-12 sequence of amyloid <sup>12</sup> peptide by tyrosine bromination. <i>Supramolecular Chemistry</i> , 2020, 32, 247-255.	1.5	8
29	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
30	Pnictogen bonding in coordination chemistry. <i>Coordination Chemistry Reviews</i> , 2020, 418, 213381.	9.5	110
31	Molecular Bases for Anesthetic Agents: Halothane as a Halogen- and Hydrogen-Bond Donor. <i>Angewandte Chemie</i> , 2019, 131, 12586-12589.	1.6	4
32	Molecular Bases for Anesthetic Agents: Halothane as a Halogen- and Hydrogen-Bond Donor. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12456-12459.	7.2	10
33	Innenteilbild: Molecular Bases for Anesthetic Agents: Halothane as a Halogen- and Hydrogen-Bond Donor ( <i>Angew. Chem.</i> 36/2019). <i>Angewandte Chemie</i> , 2019, 131, 12436-12436.	1.6	0
34	Sevoflurane: Impurities and stability testing. <i>Journal of Fluorine Chemistry</i> , 2019, 226, 109363.	0.9	1
35	Featuring I <sup>+</sup> -N Halogen Bond and Weaker Interactions in Iodoperfluoroalkylimidazoles: An Experimental and Theoretical Charge Density Study. <i>Crystal Growth and Design</i> , 2019, 19, 1621-1631.	1.4	12
36	Unexpected chalcogen bonds in tetravalent sulfur compounds. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11313-11319.	1.3	41

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37	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
38	The diiodomethyl-sulfonyl moiety: an unexplored halogen bond-donor motif. <i>Chemical Communications</i> , 2019, 55, 4234-4237.	2.2	9
39	Definition of the chalcogen bond (IUPAC Recommendations 2019). <i>Pure and Applied Chemistry</i> , 2019, 91, 1889-1892.	0.9	322
40	Chalcogen Bonds in Crystals of Bis( <i>o</i> -anilinium)diselenide Salts. <i>Crystal Growth and Design</i> , 2019, 19, 1149-1154.	1.4	16
41	From Molecules to Materials: Engineering New Ionic Liquid Crystals Through Halogen Bonding. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	2
42	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
43	Cyanine dyes: synergistic action of hydrogen, halogen and chalcogen bonds allows discrete $4 \times 2$ anions in crystals. <i>New Journal of Chemistry</i> , 2018, 42, 10463-10466.	1.4	8
44	Dicarboxylic Acid Separation by Dynamic and Size-Matched Recognition in Solution and in the Solid State. <i>Angewandte Chemie</i> , 2018, 130, 1341-1345.	1.6	3
45	Dicarboxylic Acid Separation by Dynamic and Size-Matched Recognition in Solution and in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1327-1331.	7.2	4
46	The halogen bond: a new avenue in recognition and self-assembly. <i>New Journal of Chemistry</i> , 2018, 42, 10461-10462.	1.4	11
47	Thiazoliums and selenazoliums as chalcogen-bond donors in crystals. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e108-e109.	0.0	1
48	Structural characterization of new fluorinated mesogens obtained through halogen-bond driven self-assembly. <i>Journal of Fluorine Chemistry</i> , 2017, 198, 54-60.	0.9	16
49	Close contacts and noncovalent interactions in crystals. <i>Faraday Discussions</i> , 2017, 203, 113-130.	1.6	62
50	Bonding Matters. <i>Crystal Growth and Design</i> , 2017, 17, 1439-1440.	1.4	35
51	Halogen bonding stabilizes a <i>cis</i> -azobenzene derivative in the solid state: a crystallographic study. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 227-233.	0.5	9
52	Fluorinated elements of Group 15 as pnictogen bond donor sites. <i>Journal of Fluorine Chemistry</i> , 2017, 203, 62-74.	0.9	71
53	The $\sigma$ -hole revisited. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 32166-32178.	1.3	319
54	Proton in a Confined Space: Structural Studies of $H^+$ in Crypt-111 Iodide and Some Halogen-Bonded Derivatives. <i>Chemistry - A European Journal</i> , 2017, 23, 14388-14388.	1.7	0

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55	Proton in a Confined Space: Structural Studies of H <sup>+</sup> Cryptand 111 Iodide and Some Halogen-Bonded Derivatives. <i>Chemistry - A European Journal</i> , 2017, 23, 14462-14468.	1.7	2
56	Fluorination promotes chalcogen bonding in crystalline solids. <i>CrystEngComm</i> , 2017, 19, 4955-4959.	1.3	53
57	Halogen bonded Borromean networks by design: topology invariance and metric tuning in a library of multi-component systems. <i>Chemical Science</i> , 2017, 8, 1801-1810.	3.7	35
58	Metric engineering in hybrid perfluorocarbon-hydrocarbon cocrystals. <i>Journal of Fluorine Chemistry</i> , 2017, 196, 32-36.	0.9	5
59	Connectivity and Topology Invariance in Self-Assembled and Halogen-Bonded Anionic (6,3)-Networks. <i>Molecules</i> , 2017, 22, 2060.	1.7	1
60	Halogen and Hydrogen Bonding in Multicomponent Crystals of Tetrabromo-1H-Benzotriazole. <i>Crystals</i> , 2017, 7, 332.	1.0	6
61	Halogen bonding in hypervalent iodine and bromine derivatives: halonium salts. <i>IUCrj</i> , 2017, 4, 411-419.	1.0	80
62	Superfluorinated Ionic Liquid Crystals Based on Supramolecular, Halogen-Bonded Anions. <i>Angewandte Chemie</i> , 2016, 128, 6408-6412.	1.6	15
63	Efficient Light-Induced Phase Transitions in Halogen-Bonded Liquid Crystals. <i>Chemistry of Materials</i> , 2016, 28, 8314-8321.	3.2	46
64	Design of Highly Stable Echogenic Microbubbles through Controlled Assembly of Their Hydrophobic Shell. <i>Angewandte Chemie</i> , 2016, 128, 10419-10423.	1.6	10
65	Design of Highly Stable Echogenic Microbubbles through Controlled Assembly of Their Hydrophobic Shell. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10263-10267.	7.2	24
66	Activation of Cell-Penetrating Peptides with Ion-pair Interactions and Fluorophiles. <i>Journal of the American Chemical Society</i> , 2016, 138, 11264-11271.	6.6	61
67	Natural Abundance <sup>15</sup> N and <sup>13</sup> 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
68	Superfluorinated Ionic Liquid Crystals Based on Supramolecular, Halogen-Bonded Anions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6300-6304.	7.2	56
69	Characteristic redshift and intensity enhancement as far-IR fingerprints of the halogen bond involving aromatic donors. <i>CrystEngComm</i> , 2016, 18, 2247-2250.	1.3	25
70	The Halogen Bond. <i>Chemical Reviews</i> , 2016, 116, 2478-2601.	23.0	2,906
71	Halogen Bonding in Hypervalent Iodine Compounds. <i>Topics in Current Chemistry</i> , 2016, 373, 289-309.	4.0	46
72	Coordination networks incorporating halogen-bond donor sites and azobenzene groups. <i>CrystEngComm</i> , 2016, 18, 2251-2257.	1.3	8

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73	Atomistic simulation of hydrophobin HFBII conformation in aqueous and fluoruous media and at the water/ vacuum interface. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 63, 8-14.	1.3	12
74	Hydrophobin as a Nanolayer Primer That Enables the Fluorinated Coating of Poorly Reactive Polymer Surfaces. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500170.	1.9	17
75	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
76	Halogen-Bond-Assisted Guest Inclusion in a Synthetic Cavity. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8411-8414.	7.2	55
77	Hydrophobin-stabilized dispersions of PVDF nanoparticles in water. <i>Journal of Fluorine Chemistry</i> , 2015, 177, 62-69.	0.9	22
78	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
79	A synthetically modified hydrophobin showing enhanced fluoruous affinity. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 140-147.	5.0	9
80	Supramolecular amplification of amyloid self-assembly by iodination. <i>Nature Communications</i> , 2015, 6, 7574.	5.8	88
81	Halogen bonding enhances nonlinear optical response in poled supramolecular polymers. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3003-3006.	2.7	44
82	Supramolecular interactions in the solid state. <i>IUCrJ</i> , 2015, 2, 675-690.	1.0	108
83	Photomechanical Energy Transfer to Photopassive Polymers through Hydrogen and Halogen Bonds. <i>Macromolecules</i> , 2015, 48, 7535-7542.	2.2	27
84	<sup>19</sup> F Magnetic Resonance Imaging (MRI): From Design of Materials to Clinical Applications. <i>Chemical Reviews</i> , 2015, 115, 1106-1129.	23.0	401
85	Halogen-bonded mesogens direct polymer self-assemblies up to millimetre length scale. <i>Nature Communications</i> , 2014, 5, 4043.	5.8	66
86	Halogen Bond: A Long Overlooked Interaction. <i>Topics in Current Chemistry</i> , 2014, 358, 1-17.	4.0	14
87	Optimization of rapid acquisition with relaxation enhancement (RARE) pulse sequence parameters for <sup>19</sup> F-MRI studies. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 162-170.	1.9	24
88	Type II halogen-halogen contacts are halogen bonds. <i>IUCrJ</i> , 2014, 1, 5-7.	1.0	156
89	Halogen-Bonded Photoresponsive Materials. <i>Topics in Current Chemistry</i> , 2014, 359, 147-166.	4.0	25
90	The 1:1 co-crystal of triphenyl(2,3,5,6-tetrafluorobenzyl)phosphonium bromide and 1,1,2,2-tetrafluoro-1,2-diiodoethane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o9-o10.	0.2	1

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91	Azobenzene-based difunctional halogen-bond donor: towards the engineering of photoresponsive co-crystals. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 149-156.	0.5	21
92	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
93	Orthogonal halogen and hydrogen bonds involving a peptide bond model. <i>CrystEngComm</i> , 2014, 16, 8102-8105.	1.3	47
94	Fluorine-induced J-aggregation enhances emissive properties of a new NLO push-pull chromophore. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5275.	2.7	25
95	Polymorphs and co-crystals of haloprogin: an antifungal agent. <i>CrystEngComm</i> , 2014, 16, 5897-5904.	1.3	48
96	Naming Interactions from the Electrophilic Site. <i>Crystal Growth and Design</i> , 2014, 14, 2697-2702.	1.4	190
97	A Superfluorinated Molecular Probe for Highly Sensitive <i>in Vivo</i> <sup>19</sup> F-MRI. <i>Journal of the American Chemical Society</i> , 2014, 136, 8524-8527.	6.6	113
98	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
99	Self-Assembly of Pyridine-Modified Lipoic Acid Derivatives on Gold and Their Interaction with Thyroxine (T4). <i>International Journal of Molecular Sciences</i> , 2013, 14, 3500-3513.	1.8	3
100	C-halogen-O supramolecular synthons: <i>in situ</i> cryocrystallisation of 1,2-dihalotetrafluoroethane/HMPA adducts. <i>Supramolecular Chemistry</i> , 2013, 25, 718-727.	1.5	8
101	Supramolecular Hierarchy among Halogen-Bond Donors. <i>Chemistry - A European Journal</i> , 2013, 19, 16240-16247.	1.7	202
102	Hydrophobin: fluorosurfactant-like properties without fluorine. <i>Soft Matter</i> , 2013, 9, 6505.	1.2	24
103	Halogen-bonding-triggered supramolecular gel formation. <i>Nature Chemistry</i> , 2013, 5, 42-47.	6.6	410
104	In the Pursuit of Efficient Anion-Binding Organic Ligands Based on Halogen Bonding. <i>Crystal Growth and Design</i> , 2013, 13, 871-877.	1.4	24
105	Halogen bond directionality translates tecton geometry into self-assembled architecture geometry. <i>CrystEngComm</i> , 2013, 15, 3102.	1.3	60
106	Metal-bound halogen atoms in crystal engineering. <i>Chemical Communications</i> , 2013, 49, 1783.	2.2	46
107	Halogen bonding: from self-assembly to materials and biomolecules. <i>CrystEngComm</i> , 2013, 15, 3057.	1.3	22
108	Halogen Bonding and Pharmaceutical Cocrystals: The Case of a Widely Used Preservative. <i>Molecular Pharmaceutics</i> , 2013, 10, 1760-1772.	2.3	99

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109	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
110	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
111	Definition of the halogen bond (IUPAC Recommendations 2013). <i>Pure and Applied Chemistry</i> , 2013, 85, 1711-1713.	0.9	1,554
112	Tetraphenylphosphonium iodide-1,3,5-trifluoro-2,4,6-triiodobenzene-methanol (3/4/1). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o865-o866.	0.2	5
113	An Adaptable and Dynamically Porous Organic Salt Traps Unique Tetrahalide Dianions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13444-13448.	7.2	73
114	Different Permeability of Potassium Salts across the Blood-Brain Barrier Follows the Hofmeister Series. <i>PLoS ONE</i> , 2013, 8, e78553.	1.1	6
115	1,3-Bis(2,3,5,6-tetrafluoro-4-iodophenoxy)-2,2-bis[(2,3,5,6-tetrafluoro-4-iodophenoxy)methyl]propane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o579-o580.	0.2	1
116	[5,11,17,23-Tetra-tert-butyl-25,27-(3,6-dioxaoctan-1,8-dioxy)-26,28-bis(pyridin-2-ylmethoxy)calix[4]arene]sodium iodide-1,2,4,5-tetrafluoro-3,6-diiodobenzene-methanol (2/3/4). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m236-m237.	0.2	2
117	(4,7,13,16,21,24-Hexaoxa-1,10-diazabicyclo[8.8.8]hexacosane)sodium iodide-1,1,2,2-tetrafluoro-1,2-diiodoethane (2/3). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m387-m388.	0.2	4
118	(Tris{2-[2-(2,3,5,6-tetrafluoro-4-iodophenoxy)ethoxy]ethyl}amine)potassium iodide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m284-m285.	0.2	0
119	Câ€Brâ€O supramolecular synthon: in situ cryocrystallography of low melting halogen-bonded complexes. <i>CrystEngComm</i> , 2012, 14, 4259.	1.3	29
120	2-Iodo-imidazolium receptor binds oxoanions via charge-assisted halogen bonding. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1329.	1.5	113
121	Halogen Bonding: Where We Are and Where We Are Going. <i>Crystal Growth and Design</i> , 2012, 12, 5835-5838.	1.4	144
122	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
123	Halogen and chalcogen team up. <i>Nature Chemistry</i> , 2012, 4, 437-438.	6.6	43
124	Solution and Solid State Synthesis of the Discrete Polyiodide I73â€ under Modular Cation Templation. <i>Crystal Growth and Design</i> , 2012, 12, 5757-5762.	1.4	32
125	Polymer-Based Photocatalytic Hydrogen Generation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10944-10949.	1.5	65
126	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



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127	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
128	The quest for a molecular capsule assembled via halogen bonds. <i>CrystEngComm</i> , 2012, 14, 6366.	1.3	59
129	The fluorous effect in biomolecular applications. <i>Chemical Society Reviews</i> , 2012, 41, 31-42.	18.7	384
130	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
131	Transmembrane anion transport mediated by halogen-bond donors. <i>Nature Communications</i> , 2012, 3, 905.	5.8	217
132	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
133	Photoresponsive Supramolecular Polymers: Halogen Bonding versus Hydrogen Bonding in Driving Self-Assembly and Performance of Light-Responsive Supramolecular Polymers ( <i>Adv. Funct. Mater.</i> ) Tj ETQq1 1 0.784314 rgBTi/Overlook	18.7	399
134	Fluorine-Centered Halogen Bonding: A Factor in Recognition Phenomena and Reactivity. <i>Crystal Growth and Design</i> , 2011, 11, 4238-4246.	1.4	225
135	The fluorine atom as a halogen bond donor, viz. a positive site. <i>CrystEngComm</i> , 2011, 13, 6593.	1.3	217
136	Halogen bonding in halocarbonâ€“protein complexes: a structural survey. <i>Chemical Society Reviews</i> , 2011, 40, 2267.	18.7	399
137	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
138	Tetrahedral Oxyanions in Halogen-Bonded Coordination Networks. <i>Crystal Growth and Design</i> , 2011, 11, 4220-4226.	1.4	34
139	Tracing iodine. <i>Nature Chemistry</i> , 2011, 3, 260-260.	6.6	10
140	Organic fluorine compounds: a great opportunity for enhanced materials properties. <i>Chemical Society Reviews</i> , 2011, 40, 3496.	18.7	1,133
141	Dimensional caging of polyiodides: cation-templated synthesis using bipyridinium salts. <i>CrystEngComm</i> , 2011, 13, 4411.	1.3	50
142	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
143	Anti-fingerprints fluorinated coating for anodized titanium avoiding color alteration. <i>Journal of Coatings Technology Research</i> , 2011, 8, 153-160.	1.2	19
144	Ditopic Ion Transport Systems: Anionâ€“I Interactions and Halogen Bonds at Work. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11675-11678.	7.2	213

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290	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
291	Synthesis and pharmacological evaluation of enantiomerically pure 4-deoxy-4-fluoromuscarnes. <i>Journal of Medicinal Chemistry</i> , 1992, 35, 3102-3110.	2.9	42
292	Electrophilic fluorination of pharmacologically active 1,3-dicarbonyl compounds. <i>Journal of Organic Chemistry</i> , 1992, 57, 4281-4284.	1.7	37
293	Oxidation of alcohols by perfluoro-cis-2,3-dialkyl oxaridines. <i>Tetrahedron Letters</i> , 1992, 33, 7245-7248.	0.7	28
294	Introduction of nitrogen functionalities into (R)-1-fluoro-3-(p-tolylsulfinyl)propan-2-one. <i>Journal of Fluorine Chemistry</i> , 1992, 59, 153-156.	0.9	3
295	5-Perfluoroalkyl-isoxazoles and -pyrazoles through cycloaddition reactions. <i>Journal of Fluorine Chemistry</i> , 1992, 58, 337.	0.9	0
296	Synthesis of enantiomerically pure fluorocyclopentanol. <i>Journal of Fluorine Chemistry</i> , 1992, 58, 338.	0.9	0
297	Oxidative properties of fluorinated oxaziridines. <i>Journal of Fluorine Chemistry</i> , 1992, 58, 339.	0.9	1
298	Electrophilic fluorination of warfarin, sulfapyrazole and barbituric acid derivatives. <i>Journal of Fluorine Chemistry</i> , 1992, 58, 363.	0.9	0
299	Comparison by mass spectrometry of ring cleavage in barbituric acid and 5-fluorobarbituric acid derivatives. <i>Organic Mass Spectrometry</i> , 1992, 27, 204-210.	1.3	9
300	A Site- and Regio-specific Route to Perfluoroalkylisoxazoles. <i>Heterocycles</i> , 1992, 34, 1703.	0.4	15
301	Homochiral fluoroorganic compounds. Part 17. 2-(p-Tolylsulphinylmethyl)-3-fluorotetrahydro-pyrans and -furans through intramolecular oxymercuration. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1991, , 1315.	0.9	6
302	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
303	A new entry to homochiral difluorinated compounds. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 1105-1106.	1.8	11
304	Fast-atom bombardment mass spectrometry and metastable-ion studies for the characterization of isomeric fluorosugars. <i>Rapid Communications in Mass Spectrometry</i> , 1991, 5, 591-595.	0.7	9
305	Fluorine influence in the mass spectrometric patterns in $\beta$ -hydroxy alkyl aryl sulphoxides. Part 5. <i>Rapid Communications in Mass Spectrometry</i> , 1990, 4, 376-380.	0.7	8
306	Preparation and properties of chiral fluoroorganic compounds. <i>Tetrahedron: Asymmetry</i> , 1990, 1, 661-692.	1.8	232

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307	Synthesis of four homochiral 3,4-dideoxy-3-fluoro-hexoses from a non-carbohydrate precursor. <i>Tetrahedron</i> , 1990, 46, 997-1008.	1.0	15
308	Homochiral fluoro-organic compounds. Synthesis of the two enantiomers of (Z)-3-fluoro-4-phenyl-1-(p-tolylsulphonyl)but-3-en-2-ol through microbial reduction. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1990, , 579.	0.9	15
309	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
310	Synthesis of fluorinated analogues of acyclic nucleosides as potential antiviral agents. <i>Journal of Fluorine Chemistry</i> , 1989, 45, 119.	0.9	2
311	Asymmetric synthesis of fluorocarbohydrates. <i>Journal of Fluorine Chemistry</i> , 1989, 45, 121.	0.9	1
312	Biotransformations of fluorinated sulphenyl and sulphonyl compounds. <i>Tetrahedron</i> , 1989, 45, 7505-7514.	1.0	17
313	Asymmetric synthesis and structural analysis of 5-O-benzoyl-2,3-dideoxy-3-fluoro-.alpha.,.beta.-D-ribofuranose and -xylofuranose from homochiral 1-fluoro-3-sulfinylacetone. <i>Journal of Organic Chemistry</i> , 1989, 54, 5171-5176.	1.7	36
314	Homochiral 2,5-disubstituted 3-fluorotetrahydrofurans carrying differently functionalized ring appendages. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989, , 839.	0.9	14
315	Homochiral fluoro-organic compounds. Part 12. $\hat{1}\pm$ -Hydroxy $\hat{1}^2$ -fluoro aldehydes and esters, fluoro epoxides and glycols from fluorinated sulphinyl chirons. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989, , 1201-1208.	0.9	22
316	Homochiral fluoro-organic compounds. Microbial reduction of 1-fluoro-3-(p-tolylsulphonyl)propan-2-one and of 1-fluoro-3-(p-tolylsulphenyl)propan-2-one. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1988, , 2831.	0.9	13
317	Homochiral $\hat{1}\pm$ -fluoroketones from racemic $\hat{1}\pm$ -fluorocarboxylic esters and enantiomerically pure sulphoxides. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 218-219.	2.0	7
318	Homochiral Perfluoroalkyl-Group-Substituted Secondary Alcohols Through Stereoselective Reduction of Perfluoroalkyl 1-(p-Tolylsulfinyl)alkyl Ketones. <i>Synthesis</i> , 1988, 1988, 955-960.	1.2	23
319	An efficient approach to enantiomerically pure fluorhydrins. <i>Tetrahedron Letters</i> , 1987, 28, 4865-4866.	0.7	21
320	Electron impact mass spectrometry of hemiterpenoid tricyclic quinoline alkaloids. <i>Organic Mass Spectrometry</i> , 1987, 22, 462-467.	1.3	5
321	Synthesis of both enantiomers of optically pure saturated and $1\pm,1^2$ -unsaturated $1^3$ -substituted $1^3$ -lactones from chiral sulphoxides. X-Ray molecular structure of (3R,4S)-4-methyl-4-t-butyl-3-(p-tolylthio)butanolide and of (3R,4R)-4-(cyclohex-1-enyl)-4-methyl-3-(p-tolylthio)butanolide. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1986, , 1405-1415.	0.9	29
322	A Convenient Synthesis of 3-Fluorinated 2-Oxopropyl Sulphoxides from Fluorinated Lithium Acetates and 1-Lithioalkyl Sulphoxides. <i>Synthesis</i> , 1986, 1986, 579-582.	1.2	32
323	Synthesis of optically pure $\hat{1}\pm$ -methylene- $\hat{1}^3$ -lactones from (+)-R-(4-methylphenyl)-alkylsulphoxides. <i>Tetrahedron Letters</i> , 1985, 26, 2913-2916.	0.7	35
324	Synthesis of optically pure $\hat{1}\pm$ -halo- $\hat{1}\pm$ - $\hat{1}^2$ -sulphinyl-ketones. <i>Tetrahedron Letters</i> , 1985, 26, 5601-5604.	0.7	14

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325	Novel pyrimidine and 1,3,5-triazine hypolipemic agents. <i>Journal of Medicinal Chemistry</i> , 1984, 27, 1621-1629.	2.9	53
326	Chiral homoenolate anion equivalents: synthesis of optically pure 5-substituted furan-2(5H)-ones. <i>Journal of the Chemical Society Chemical Communications</i> , 1984, , 19.	2.0	13
327	Dissecting the packing forces in mixed perfluorocarbon/aromatic co-crystals. <i>CrystEngComm</i> , 0, , .	1.3	2