

# Pierangelo Metrangolo

## List of Publications by Year in descending order

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265  
papers

26,594  
citations

13827

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g-index

292  
all docs

292  
docs citations

292  
times ranked

14705  
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 | <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       |
| 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 $\pi$ - $\pi$ 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 | Halogen bonding in metal-organic supramolecular networks. <i>Coordination Chemistry Reviews</i> , 2010, 254, 677-695.                                      | 9.5  | 332       |
| 18 | Definition of the chalcogen bond (IUPAC Recommendations 2019). <i>Pure and Applied Chemistry</i> , 2019, 91, 1889-1892.                                    | 0.9  | 322       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Nonporous Organic Solids Capable of Dynamically Resolving Mixtures of Diiodoperfluoroalkanes. <i>Science</i> , 2009, 323, 1461-1464.  | 6.0 | 259       |
| 20 | 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       |
| 21 | Fluorine-Centered Halogen Bonding: A Factor in Recognition Phenomena and Reactivity. <i>Crystal Growth and Design</i> , 2011, 11, 4238-4246.  | 1.4 | 225       |
| 22 | The fluorine atom as a halogen bond donor, viz. a positive site. <i>CrystEngComm</i> , 2011, 13, 6593.  | 1.3 | 217       |
| 23 | Transmembrane anion transport mediated by halogen-bond donors. <i>Nature Communications</i> , 2012, 3, 905.   | 5.8 | 217       |
| 24 | Ditopic Ion Transport Systems: Anion-Fluorine Interactions and Halogen Bonds at Work. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11675-11678.                           | 7.2 | 213       |
| 25 | Engineering functional materials by halogen bonding. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1-15.   | 2.5 | 212       |
| 26 | Resolution of Racemic 1,2-Dibromohexafluoropropane through Halogen-Bonded Supramolecular Helices. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2433-2436.                 | 7.2 | 203       |
| 27 | Supramolecular Hierarchy among Halogen-Bond Donors. <i>Chemistry - A European Journal</i> , 2013, 19, 16240-16247.  | 1.7 | 202       |
| 28 | 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       |
| 29 | Naming Interactions from the Electrophilic Site. <i>Crystal Growth and Design</i> , 2014, 14, 2697-2702.  | 1.4 | 190       |
| 30 | Halogen Bonding in Crystal Engineering. , 2007, , 105-136.  |     | 180       |
| 31 | 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       |
| 32 | Anion coordination and anion-templated assembly under halogen bonding control. <i>CrystEngComm</i> , 2009, 11, 1187.  | 1.3 | 158       |
| 33 | Type II halogen-halogen contacts are halogen bonds. <i>IUCr</i> , 2014, 1, 5-7.   | 1.0 | 156       |
| 34 | Halogen bonding and other noncovalent interactions involving halogens: a terminology issue. <i>CrystEngComm</i> , 2006, 8, 946.   | 1.3 | 151       |
| 35 | Halogen Bonding: Where We Are and Where We Are Going. <i>Crystal Growth and Design</i> , 2012, 12, 5835-5838.   | 1.4 | 144       |
| 36 | Perfluorocarbon-hydrocarbon self-assembly. <i>Journal of Fluorine Chemistry</i> , 2002, 114, 27-33.   | 0.9 | 143       |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Nâ€¦â€¦Br Halogen Bonding: One-Dimensional Infinite Chains through the Self-Assembly of Dibromotetrafluorobenzenes with Dipyridyl Derivatives. <i>Chemistry - A European Journal</i> , 2003, 9, 3974-3983. | 1.7  | 141       |
| 38 | Fluorinated liquid crystals formed by halogen bonding. <i>Chemical Communications</i> , 2006, , 3290-3292.   | 2.2  | 129       |
| 39 | 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       |
| 40 | Highly Interpenetrated Supramolecular Networks Supported by Nâ€¦â€¦I Halogen Bonding. <i>Chemistry - A European Journal</i> , 2007, 13, 5765-5772.   | 1.7  | 124       |
| 41 | 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       |
| 42 | Structureâ€“Function Relationships in Liquidâ€“Crystalline Halogenâ€“Bonded Complexes. <i>Chemistry - A European Journal</i> , 2010, 16, 9511-9524.  | 1.7  | 117       |
| 43 | Mesogenic, trimeric, halogen-bonded complexes from alkoxy stilbazoles and 1,4-diodotetrafluorobenzene. <i>New Journal of Chemistry</i> , 2008, 32, 477-482.  | 1.4  | 114       |
| 44 | 2-Iodo-imidazolium receptor binds oxoanions via charge-assisted halogen bonding. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1329.   | 1.5  | 113       |
| 45 | 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       |
| 46 | Tuning second-order NLO responses through halogen bonding. <i>Chemical Communications</i> , 2007, , 2590.  | 2.2  | 110       |
| 47 | 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       |
| 48 | Mutual induced coordination in halogen-bonded anionic assemblies with (6,3) cation-templated topologies. <i>Chemical Communications</i> , 2008, , 1635.  | 2.2  | 100       |
| 49 | Halogen Bonding and Pharmaceutical Cocrystals: The Case of a Widely Used Preservative. <i>Molecular Pharmaceutics</i> , 2013, 10, 1760-1772.   | 2.3  | 99        |
| 50 | 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        |
| 51 | Metric engineering of supramolecular Borromean rings. <i>Chemical Communications</i> , 2006, , 1819.   | 2.2  | 93        |
| 52 | 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        |
| 53 | Supramolecular Route to Fluorinated Coatings: Self-Assembly Between Poly(4-vinylpyridines) and Haloperfluorocarbons. <i>Advanced Materials</i> , 2002, 14, 1197-1201.                                      | 11.1 | 90        |
| 54 | Dimensional encapsulation of Iâ€¦Iâ€¦I in an organic salt crystal matrix. <i>Chemical Communications</i> , 2010, 46, 2724.   | 2.2  | 89        |

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|----|--|------|-----------|
| 55 | 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        |
| 56 | 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        |
| 57 | Supramolecular amplification of amyloid self-assembly by iodination. <i>Nature Communications</i> , 2015, 6, 7574.   | 5.8  | 88        |
| 58 | 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        |
| 59 | Nanomedicine delivery: does protein corona route to the target or off road?. <i>Nanomedicine</i> , 2015, 10, 3231-3247.  | 1.7  | 86        |
| 60 | Fluorous Interpenetrated Layers in a Three-Component Crystal Matrix. <i>Crystal Growth and Design</i> , 2003, 3, 355-361.  | 1.4  | 84        |
| 61 | Halogen Bond Distance as a Function of Temperature. <i>Crystal Growth and Design</i> , 2004, 4, 291-295.   | 1.4  | 83        |
| 62 | Photoalignment and Surface Relief Grating Formation are Efficiently Combined in Low-Molecular-Weight Halogen-Bonded Complexes. <i>Advanced Materials</i> , 2012, 24, OP345-52.                                 | 11.1 | 80        |
| 63 | Crystal engineering of brominated tectons: N-methyl-3,5-dibromo-pyridinium iodide gives particularly short C-Br...I halogen bonding. <i>New Journal of Chemistry</i> , 2004, 28, 760-763.                      | 1.4  | 75        |
| 64 | An Adaptable and Dynamically Porous Organic Salt Traps Unique Tetrahalide Dianions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13444-13448.  | 7.2  | 73        |
| 65 | Rotational Dynamics of Diazabicyclo[2.2.2]octane in Isomorphous Halogen-Bonded Co-crystals: Entropic and Enthalpic Effects. <i>Journal of the American Chemical Society</i> , 2017, 139, 843-848.              | 6.6  | 71        |
| 66 | 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        |
| 67 | Perfluorocarbon-hydrocarbons self-assembly: halogen bonding mediated intermolecular recognition. <i>Journal of Fluorine Chemistry</i> , 2004, 125, 271-281.  | 0.9  | 70        |
| 68 | Infrared and Raman analyses of the halogen-bonded non-covalent adducts formed by 1,1,1-triiodoperfluoroalkanes with DABCO and other electron donors. <i>Journal of Molecular Structure</i> , 2000, 524, 87-94. | 1.8  | 68        |
| 69 | 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        |
| 70 | Halogen-bonded mesogens direct polymer self-assemblies up to millimetre length scale. <i>Nature Communications</i> , 2014, 5, 4043.  | 5.8  | 66        |
| 71 | Metric engineering of perfluorocarbon-hydrocarbon layered solids driven by the halogen bonding. <i>Chemical Communications</i> , 2004, , 1492-1493.  | 2.2  | 65        |
| 72 | Solid state synthesis under supramolecular control of a 2D heterotetrapopic self-complementary tecton tailored to halogen bonding. <i>New Journal of Chemistry</i> , 2006, 30, 1397.                           | 1.4  | 65        |

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|----|--|-----|-----------|
| 73 | Polymer-Based Photocatalytic Hydrogen Generation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10944-10949.   | 1.5 | 65        |
| 74 | 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        |
| 75 | Perfluorocarbon-hydrocarbon self-assembly. Part 6: 1:1 Diiodoperfluoroalkanes as pseudohalogens in supramolecular synthesis. <i>Tetrahedron Letters</i> , 1999, 40, 7519-7523. | 0.7 | 63        |
| 76 | Noncovalent paramagnetic complexes: detection of halogen bonding in solution by ESR spectroscopy. <i>Tetrahedron Letters</i> , 2006, 47, 3265-3269.                            | 0.7 | 63        |
| 77 | 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        |
| 78 | Activation of Cell-Penetrating Peptides with Ionpair $\pi$ - $\pi$ Interactions and Fluorophiles. <i>Journal of the American Chemical Society</i> , 2016, 138, 11264-11271.    | 6.6 | 61        |
| 79 | 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        |
| 80 | Halogen bond directionality translates tecton geometry into self-assembled architecture geometry. <i>CrystEngComm</i> , 2013, 15, 3102.  | 1.3 | 60        |
| 81 | Photoresponsive Halogen-Bonded Liquid Crystals: The Role of Aromatic Fluorine Substitution. <i>Chemistry of Materials</i> , 2019, 31, 462-470.                                 | 3.2 | 60        |
| 82 | Perfluorocarbon-Hydrocarbon Self-Assembly: First Crystalline Halogen-Bonded Complex Involving Bromoperfluoroalkanes. <i>Crystal Growth and Design</i> , 2003, 3, 799-803.      | 1.4 | 59        |
| 83 | The quest for a molecular capsule assembled via halogen bonds. <i>CrystEngComm</i> , 2012, 14, 6366.   | 1.3 | 59        |
| 84 | Superfluorinated Ionic Liquid Crystals Based on Supramolecular, Halogen-Bonded Anions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6300-6304.                 | 7.2 | 56        |
| 85 | Halogen-Bond-Assisted Guest Inclusion in a Synthetic Cavity. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8411-8414.   | 7.2 | 55        |
| 86 | Dendrimeric Tectons in Halogen Bonding-Based Crystal Engineering. <i>Crystal Growth and Design</i> , 2008, 8, 654-659.   | 1.4 | 54        |
| 87 | Natural surfactants towards a more sustainable fluorine chemistry. <i>Green Chemistry</i> , 2018, 20, 13-27.   | 4.6 | 54        |
| 88 | Fluorination promotes chalcogen bonding in crystalline solids. <i>CrystEngComm</i> , 2017, 19, 4955-4959.  | 1.3 | 53        |
| 89 | Dimensional caging of polyiodides: cation-templated synthesis using bipyridinium salts. <i>CrystEngComm</i> , 2011, 13, 4411.  | 1.3 | 50        |
| 90 | Interactions at the outside faces of calix. <i>Chemistry - A European Journal</i> , 2000, 6, 3495-3500.  | 1.7 | 49        |

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|-----|--|-----|-----------|
| 91  | Hierarchical Self-Assembly of Halogen-Bonded Block Copolymer Complexes into Upright Cylindrical Domains. <i>CheM</i> , 2017, 2, 417-426.   | 5.8 | 49        |
| 92  | 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        |
| 93  | Interplay between Structural and Dielectric Features of New Low $k$ Hybrid Organic–Organometallic Supramolecular Ribbons. <i>Crystal Growth and Design</i> , 2012, 12, 297-305.  | 1.4 | 48        |
| 94  | Polymorphs and co-crystals of haloprogin: an antifungal agent. <i>CrystEngComm</i> , 2014, 16, 5897-5904.  | 1.3 | 48        |
| 95  | Design and Synthesis of New Tectons for Halogen Bonding-driven Crystal Engineering. <i>Supramolecular Chemistry</i> , 2003, 15, 177-188.   | 1.5 | 47        |
| 96  | Halogen bonding drives the self-assembly of piperazine cyclophanes into tubular structures. <i>Chemical Communications</i> , 2009, , 2160.   | 2.2 | 47        |
| 97  | Orthogonal halogen and hydrogen bonds involving a peptide bond model. <i>CrystEngComm</i> , 2014, 16, 8102-8105.   | 1.3 | 47        |
| 98  | Binding Energies and $^{19}\text{F}$ 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        |
| 99  | Metal-bound halogen atoms in crystal engineering. <i>Chemical Communications</i> , 2013, 49, 1783.   | 2.2 | 46        |
| 100 | Efficient Light-Induced Phase Transitions in Halogen-Bonded Liquid Crystals. <i>Chemistry of Materials</i> , 2016, 28, 8314-8321.  | 3.2 | 46        |
| 101 | Halogen Bonding in Hypervalent Iodine Compounds. <i>Topics in Current Chemistry</i> , 2016, 373, 289-309.  | 4.0 | 46        |
| 102 | Perfluorocarbon–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        |
| 103 | Halogen Bonding in Perovskite Solar Cells: A New Tool for Improving Solar Energy Conversion. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .  | 7.2 | 45        |
| 104 | Halogen bonding enhances nonlinear optical response in poled supramolecular polymers. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3003-3006.  | 2.7 | 44        |
| 105 | Bioreducible Hydrophobin-Stabilized Supraparticles for Selective Intracellular Release. <i>ACS Nano</i> , 2017, 11, 9413-9423.   | 7.3 | 44        |
| 106 | Perfluorocarbon–hydrocarbon self assembling. Thermal and vibrational analyses of one-dimensional networks formed by $\text{I}_2$ -diiodoperfluoroalkanes with K.2.2. and K.2.2.2.. <i>Journal of Fluorine Chemistry</i> , 1998, 91, 191-194. | 0.9 | 43        |
| 107 | Preparation and characterization of superhydrophobic conductive fluorinated carbon blacks. <i>Carbon</i> , 2010, 48, 4382-4390.  | 5.4 | 43        |
| 108 | Halogen and chalcogen team up. <i>Nature Chemistry</i> , 2012, 4, 437-438.   | 6.6 | 43        |

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|-----|--|-----|-----------|
| 109 | A halogen bond-donor amino acid for organocatalysis in water. <i>Chemical Communications</i> , 2018, 54, 10718-10721.  | 2.2 | 42        |
| 110 | Crown ethers as pre-organised exo-receptors in the divergent recognition of $\pm$ , $\text{I}^{\circ}$ -diiodoperfluoroalkanes. <i>New Journal of Chemistry</i> , 2000, 24, 777-780.                           | 1.4 | 41        |
| 111 | Multinuclear Solidâ€State Magnetic Resonance as a Sensitive Probe of Structural Changes upon the Occurrence of Halogen Bonding in Coâ€Crystals. <i>Chemistry - A European Journal</i> , 2013, 19, 11949-11962. | 1.7 | 41        |
| 112 | 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        |
| 113 | Dipyridinocalixcrown/diiodoperfluorocarbon binary host systems for CsI: structural studies and fluorous phase extraction of caesium. <i>Tetrahedron</i> , 2007, 63, 4951-4958.                                 | 1.0 | 40        |
| 114 | Supramolecular rods via halogen bonding-based self-assembly of fluorinated phosphazene nanopillars. <i>Inorganica Chimica Acta</i> , 2007, 360, 1191-1199.   | 1.2 | 40        |
| 115 | â€Pushâ€pullâ€supramolecular chromophores supported on cyclopolymers. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5202-5213.  | 2.5 | 40        |
| 116 | Fluorinated heterocyclic compounds. A photochemical synthesis of 3-amino-5-perfluoroaryl-1,2,4-oxadiazoles. <i>Tetrahedron</i> , 2001, 57, 5865-5871.  | 1.0 | 39        |
| 117 | Spontaneous resolution in a halogen bonded supramolecular architecture. <i>Chemical Communications</i> , 2005, , 1534.   | 2.2 | 38        |
| 118 | Site-selective supramolecular synthesis of halogen-bonded cocrystals incorporating the photoactive azo group. <i>CrystEngComm</i> , 2008, 10, 1132.  | 1.3 | 38        |
| 119 | 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        |
| 120 | Host-Enhanced Phenyl-Perfluorophenyl Polarâ€Interactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 7356-7361.  | 6.6 | 38        |
| 121 | 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        |
| 122 | Natural Abundance $^{15}\text{N}$ and $^{13}\text{C}$ Solidâ€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        |
| 123 | Halogen bonding modulates hydrogel formation from Fmoc amino acids. <i>CrystEngComm</i> , 2017, 19, 1870-1874.   | 1.3 | 37        |
| 124 | Biomimetic engineering of the molecular recognition and self-assembly of peptides and proteins via halogenation. <i>Coordination Chemistry Reviews</i> , 2020, 411, 213242.                                    | 9.5 | 37        |
| 125 | Chalcogen Bonds Involving Selenium in Protein Structures. <i>ACS Chemical Biology</i> , 2021, 16, 1622-1627.   | 1.6 | 37        |
| 126 | Hybrid Calixarene/Inorganic Salt/Diiodoperfluorocarbon Supramolecular Assemblies. <i>Supramolecular Chemistry</i> , 2006, 18, 235-243.   | 1.5 | 36        |



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|-----|---|-----|-----------|
| 127 | Multispectral MRI with Dual Fluorinated Probes to Track Mononuclear Cell Activity in Mice. <i>Radiology</i> , 2019, 291, 351-357.   | 3.6 | 36        |
| 128 | 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        |
| 129 | Comparing the Halogen Bond to the Hydrogen Bond by Solid-State NMR Spectroscopy: Anion Coordinated Dimers from 2- and 3-Iodoethynylpyridine Salts. <i>Chemistry - A European Journal</i> , 2018, 24, 11364-11376. | 1.7 | 35        |
| 130 | Tetrahedral Oxyanions in Halogen-Bonded Coordination Networks. <i>Crystal Growth and Design</i> , 2011, 11, 4220-4226.  | 1.4 | 34        |
| 131 | A Short-Chain Multibranching Perfluoroalkyl Thiol for More Sustainable Hydrophobic Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9734-9743.   | 3.2 | 34        |
| 132 | Highly Hydrophobic Carbon Black Obtained by Covalent Linkage of Perfluorocarbon and Perfluoropolyether Chains on the Carbon Surface. <i>Chemistry of Materials</i> , 2009, 21, 4498-4504.                         | 3.2 | 33        |
| 133 | Halogenation dictates the architecture of amyloid peptide nanostructures. <i>Nanoscale</i> , 2017, 9, 9805-9810.  | 2.8 | 33        |
| 134 | Solution and Solid State Synthesis of the Discrete Polyiodide I <sub>3</sub> <sup>−</sup> under Modular Cation Templation. <i>Crystal Growth and Design</i> , 2012, 12, 5757-5762.                                | 1.4 | 32        |
| 135 | Perfluorocarbon-Hydrocarbon Discrete Intermolecular Aggregates: An Exceptionally Short Nâ€Contact. <i>Supramolecular Chemistry</i> , 2002, 14, 47-55.  | 1.5 | 31        |
| 136 | Solution stoichiometry determines crystal stoichiometry in halogen-bonded supramolecular complexes. <i>CrystEngComm</i> , 2007, 9, 341.   | 1.3 | 31        |
| 137 | Hybrid iodoperfluoroalkane-ferrocene supramolecular arrays: the shortest contacts iodine forms with nitrogen atoms and unsaturated moieties. <i>Journal of Fluorine Chemistry</i> , 2004, 125, 629-640.           | 0.9 | 29        |
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| 139 | Câ€Brâ€O supramolecular synthon: in situ cryocrystallography of low melting halogen-bonded complexes. <i>CrystEngComm</i> , 2012, 14, 4259.   | 1.3 | 29        |
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