

Tullio Pilati

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3501536/publications.pdf>

Version: 2024-02-01

74
papers

11,381
citations

76326

40
h-index

82547

72
g-index

79
all docs

79
docs citations

79
times ranked

7638
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning of Ionic Liquid Crystal Properties by Combining Halogen Bonding and Fluorous Effect. <i>ChemPlusChem</i> , 2021, 86, 469-474.	2.8	8
2	Featuring I \cdots 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.	3.0	12
3	Cyanine dyes: synergistic action of hydrogen, halogen and chalcogen bonds allows discrete I^{\ominus} anions in crystals. <i>New Journal of Chemistry</i> , 2018, 42, 10463-10466.	2.8	8
4	Proton in a Confined Space: Structural Studies of H \cdots Crypt-111 Iodide and Some Halogen-Bonded Derivatives. <i>Chemistry - A European Journal</i> , 2017, 23, 14388-14388.	3.3	0
5	Proton in a Confined Space: Structural Studies of H \cdots Crypt-111 Iodide and Some Halogen-Bonded Derivatives. <i>Chemistry - A European Journal</i> , 2017, 23, 14462-14468.	3.3	2
6	Fluorination promotes chalcogen bonding in crystalline solids. <i>CrystEngComm</i> , 2017, 19, 4955-4959.	2.6	53
7	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.	7.4	35
8	Connectivity and Topology Invariance in Self-Assembled and Halogen-Bonded Anionic (6,3)-Networks. <i>Molecules</i> , 2017, 22, 2060.	3.8	1
9	Halogen and Hydrogen Bonding in Multicomponent Crystals of Tetrabromo-1H-Benzotriazole. <i>Crystals</i> , 2017, 7, 332.	2.2	6
10	Superfluorinated Ionic Liquid Crystals Based on Supramolecular, Halogen-Bonded Anions. <i>Angewandte Chemie</i> , 2016, 128, 6408-6412.	2.0	15
11	Superfluorinated Ionic Liquid Crystals Based on Supramolecular, Halogen-Bonded Anions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6300-6304.	13.8	56
12	The Halogen Bond. <i>Chemical Reviews</i> , 2016, 116, 2478-2601.	47.7	2,906
13	Dynamic Characterization of Crystalline Supramolecular Rotors Assembled through Halogen Bonding. <i>Journal of the American Chemical Society</i> , 2015, 137, 15386-15389.	13.7	88
14	Halogen Bond: A Long Overlooked Interaction. <i>Topics in Current Chemistry</i> , 2014, 358, 1-17.	4.0	14
15	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
16	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.	1.1	21
17	Polymorphs and co-crystals of haloprogin: an antifungal agent. <i>CrystEngComm</i> , 2014, 16, 5897-5904.	2.6	48
18	The halogen-bonded adduct 1,4-bis(pyridin-4-yl)buta-1,3-diene \cdots 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluoro-1,8-diiodooctane (1/1). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o328-o329.	0.2	1

#	ARTICLE	IF	CITATIONS
19	(4,7,13,16,21,24-Hexaoxa-1,10-diazabicyclo[8.8.8]hexacosane)sodium iodideâ€“1,1,2,2-tetrafluoro-1,2-diiodoethane (2/3). Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m387-m388.	0.2	4
20	Interplay between Structural and Dielectric Features of New Low k Hybrid Organicâ€“Organometallic Supramolecular Ribbons. Crystal Growth and Design, 2012, 12, 297-305.	3.0	48
21	The quest for a molecular capsule assembled via halogen bonds. CrystEngComm, 2012, 14, 6366.	2.6	59
22	Picturing the induced fit of calix[5]arenes upon n-alkylammonium cation binding. CrystEngComm, 2012, 14, 2621.	2.6	22
23	Halogen Bonding versus Hydrogen Bonding in Driving Selfâ€“Assembly and Performance of Lightâ€“Responsive Supramolecular Polymers. Advanced Functional Materials, 2012, 22, 2572-2579.	14.9	178
24	Fluorine-Centered Halogen Bonding: A Factor in Recognition Phenomena and Reactivity. Crystal Growth and Design, 2011, 11, 4238-4246.	3.0	225
25	The fluorine atom as a halogen bond donor, viz. a positive site. CrystEngComm, 2011, 13, 6593.	2.6	217
26	Tetrahedral Oxyanions in Halogen-Bonded Coordination Networks. Crystal Growth and Design, 2011, 11, 4220-4226.	3.0	34
27	Dimensional caging of polyiodides: cation-templated synthesis using bipyridinium salts. CrystEngComm, 2011, 13, 4411.	2.6	50
28	Solid-state synthesis of mixed trihalides via reversible absorption of dihalogens by non porous onium salts. CrystEngComm, 2011, 13, 4427.	2.6	38
29	Halide anion-templated assembly of di- and triiodoperfluorobenzenes into 2D and 3D supramolecular networks. Journal of Fluorine Chemistry, 2010, 131, 1165-1172.	1.7	48
30	Halogen-bonded and interpenetrated networks through the self-assembly of diiodoperfluoroarene and tetrapyridyl tectons. Journal of Fluorine Chemistry, 2010, 131, 1218-1224.	1.7	29
31	Halogen bonding: a general route in anion recognition and coordination. Chemical Society Reviews, 2010, 39, 3772.	38.1	443
32	The disorder of perfluoroalkyl chains in crystals: Two case histories of interpretation and refinement. Journal of Fluorine Chemistry, 2009, 130, 816-823.	1.7	21
33	Halide anions driven self-assembly of haloperfluoroarenes: Formation of one-dimensional non-covalent copolymers. Journal of Fluorine Chemistry, 2009, 130, 1171-1177.	1.7	60
34	Anion coordination and anion-templated assembly under halogen bonding control. CrystEngComm, 2009, 11, 1187.	2.6	158
35	Ion-pair separation via selective inclusion/segregation processes. CrystEngComm, 2009, 11, 1204.	2.6	38
36	Halogen Bonding in Supramolecular Chemistry. Angewandte Chemie - International Edition, 2008, 47, 6114-6127.	13.8	1,446

#	ARTICLE	IF	CITATIONS
37	Site-selective supramolecular synthesis of halogen-bonded cocrystals incorporating the photoactive azo group. <i>CrystEngComm</i> , 2008, 10, 1132.	2.6	38
38	Mutual induced coordination in halogen-bonded anionic assemblies with (6,3) cation-templated topologies. <i>Chemical Communications</i> , 2008, , 1635.	4.1	100
39	Combining halogen bonds and hydrogen bonds in the modular assembly of heteromeric infinite 1-D chains. <i>Chemical Communications</i> , 2007, , 4236.	4.1	96
40	Highly Interpenetrated Supramolecular Networks Supported by Nâ€¦â€¦â€¦ Halogen Bonding. <i>Chemistry - A European Journal</i> , 2007, 13, 5765-5772.	3.3	124
41	Dipyridinocalixcrown/diiodoperfluorocarbon binary host systems for CsI: structural studies and fluoruous phase extraction of caesium. <i>Tetrahedron</i> , 2007, 63, 4951-4958.	1.9	40
42	Supramolecular rods via halogen bonding-based self-assembly of fluorinated phosphazene nanopillars. <i>Inorganica Chimica Acta</i> , 2007, 360, 1191-1199.	2.4	40
43	Engineering functional materials by halogen bonding. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1-15.	2.3	212
44	Halogen Bonding in Crystal Engineering. , 2007, , 105-136.		180
45	Metric engineering of supramolecular Borromean rings. <i>Chemical Communications</i> , 2006, , 1819.	4.1	93
46	Solid state synthesis under supramolecular control of a 2D heterotetratopic self-complementary tecton tailored to halogen bonding. <i>New Journal of Chemistry</i> , 2006, 30, 1397.	2.8	65
47	Halogen bonding and other noncovalent interactions involving halogens: a terminology issue. <i>CrystEngComm</i> , 2006, 8, 946.	2.6	151
48	Hybrid Calixarene/Inorganic Salt/Diiodoperfluorocarbon Supramolecular Assemblies. <i>Supramolecular Chemistry</i> , 2006, 18, 235-243.	1.2	36
49	Pentaerythritol tetrakis(4-iodo-2,3,5,6-tetrafluorophenyl) ether: a tecton for the self-assembly of double strand 1D infinite chains. <i>Journal of Fluorine Chemistry</i> , 2005, 126, 197-207.	1.7	20
50	Halogen Bonding Based Recognition Processes:â€” A World Parallel to Hydrogen Bonding. <i>Accounts of Chemical Research</i> , 2005, 38, 386-395.	15.6	1,781
51	A Halogen-Bonding-Based Heteroditopic Receptor for Alkali Metal Halides. <i>Journal of the American Chemical Society</i> , 2005, 127, 14972-14973.	13.7	243
52	Spontaneous resolution in a halogen bonded supramolecular architecture. <i>Chemical Communications</i> , 2005, , 1534.	4.1	38
53	Perfluorocarbon-hydrocarbons self-assembly: halogen bonding mediated intermolecular recognition. <i>Journal of Fluorine Chemistry</i> , 2004, 125, 271-281.	1.7	70
54	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.	1.7	29

#	ARTICLE	IF	CITATIONS
55	Metric engineering of perfluorocarbon-hydrocarbon layered solids driven by the halogen bonding. <i>Chemical Communications</i> , 2004, , 1492-1493.	4.1	65
56	Halogen Bond Distance as a Function of Temperature. <i>Crystal Growth and Design</i> , 2004, 4, 291-295.	3.0	83
57	Crystal engineering of brominated tectons: N-methyl-3,5-dibromo-pyridinium iodide gives particularly short C-Br halogen bonding. <i>New Journal of Chemistry</i> , 2004, 28, 760-763.	2.8	75
58	Halogen Bonding and π -Stacking Control Reactivity in the Solid State. <i>Journal of the American Chemical Society</i> , 2004, 126, 4500-4501.	13.7	359
59	N-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.	3.3	141
60	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.	1.4	40
61	Halogen bonding driven self-assembly of fluorocarbons and hydrocarbons. <i>Current Opinion in Colloid and Interface Science</i> , 2003, 8, 215-222.	7.4	70
62	Fluorous Interpenetrated Layers in a Three-Component Crystal Matrix. <i>Crystal Growth and Design</i> , 2003, 3, 355-361.	3.0	84
63	Perfluorocarbon-Hydrocarbon Self-Assembly: First Crystalline Halogen-Bonded Complex Involving Bromoperfluoroalkanes. <i>Crystal Growth and Design</i> , 2003, 3, 799-803.	3.0	59
64	Design and Synthesis of New Tectons for Halogen Bonding-driven Crystal Engineering. <i>Supramolecular Chemistry</i> , 2003, 15, 177-188.	1.2	47
65	Perfluorocarbon-Hydrocarbon Discrete Intermolecular Aggregates: An Exceptionally Short N-H Contact. <i>Supramolecular Chemistry</i> , 2002, 14, 47-55.	1.2	31
66	Diastereoselective nitrilimine cycloaddition to the C-N bond of enantiopure 1,4-benzodiazepinones. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2491-2495.	1.8	25
67	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.	1.9	45
68	Stereoselective intramolecular cycloadditions of homochiral N-alkenoyl aryl azides. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1201-1206.	1.8	22
69	Intermolecular recognition between hydrocarbon oxygen-donors and perfluorocarbon iodine-acceptors: the shortest O-I non-covalent bond. <i>Tetrahedron</i> , 2001, 57, 8543-8550.	1.9	118
70	Herringbone Infinite Networks Formed by Terpyridine and Haloperfluoroarene Modules. <i>Supramolecular Chemistry</i> , 2001, 12, 405-410.	1.2	25
71	Crown ethers as pre-organised exo-receptors in the divergent recognition of \pm -diiodoperfluoroalkanes. <i>New Journal of Chemistry</i> , 2000, 24, 777-780.	2.8	41
72	Asymmetric induction by the (S)-1-phenylethyl group in intramolecular nitrile imine cycloadditions giving enantiopure 3,3a-dihydro-pyrazolo[1,5-a][1,4]benzodiazepine-4(6H)-ones. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 4447-4454.	1.8	21

#	ARTICLE	IF	CITATIONS
73	Imidazoles and Pyrrolo[2,3-d]isoxazoles from Isoxazol-5(4H)-ones. <i>Synthesis</i> , 1991, 1991, 127-131.	2.3	21
74	Crystal structure refinement with constraints. <i>Computers & Chemistry</i> , 1978, 2, 49-51.	1.2	0