Dominik CinÄiÄ

List of Publications by Year
in descending order

67	2,124	218592	243529
papers	citations	26 h-index	44 g-index

74	74	74	1905
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isostructural Materials Achieved by Using Structurally Equivalent Donors and Acceptors in Halogenâ€Bonded Cocrystals. Chemistry - A European Journal, 2008, 14, 747-753.	1.7	236
2	A Stepwise Mechanism for the Mechanochemical Synthesis of Halogen-Bonded Cocrystal Architectures. Journal of the American Chemical Society, 2008, 130, 7524-7525.	6.6	184
3	Schiff bases derived from hydroxyaryl aldehydes: molecular and crystal structure, tautomerism, quinoid effect, coordination compounds. Macedonian Journal of Chemistry and Chemical Engineering, 2013, 29, 117.	0.2	99
4	Structural Equivalence of Br and I Halogen Bonds: A Route to Isostructural Materials with Controllable Properties. Chemistry of Materials, 2008, 20, 6623-6626.	3.2	95
5	Experimental and database studies of three-centered halogen bonds with bifurcated acceptors present in molecular crystals, cocrystals and salts. CrystEngComm, 2011, 13, 3224.	1.3	85
6	Halogen-bonded cocrystallization with phosphorus, arsenic and antimony acceptors. Nature Communications, 2019, 10, 61.	5.8	78
7	A cocrystallisation-based strategy to construct isostructural solids. New Journal of Chemistry, 2008, 32, 1776.	1.4	77
8	Halogen and Hydrogen Bonding between (Nâ€Halogeno)â€succinimides and Pyridine Derivatives in Solution, the Solid State and In Silico. Chemistry - A European Journal, 2017, 23, 5244-5257.	1.7	72
9	Effect of atmosphere on solid-state amineâ€“aldehyde condensations: gas-phase catalysts for solid-state transformations. Chemical Communications, 2012, 48, 11683.	2.2	64
10	Solvent-Free Polymorphism Control in a Covalent Mechanochemical Reaction. Crystal Growth and Design, 2012, 12, 44-48.	1.4	63
11	Biopharmaceutical characterization of praziquantel cocrystals and cyclodextrin complexes prepared by grinding. Journal of Pharmaceutical and Biomedical Analysis, 2017, 137, 42-53.	1.4	50
12	Crystal engineering strategies towards halogen-bonded metalâ€“organic multi-component solids: salts, cocrystals and salt cocrystals. CrystEngComm, 2021, 23, 3063-3083.	1.3	50
13	Competition between Halogen Bonds in Cocrystals of Imines Derived from o-Vanillin. Crystal Growth and Design, 2016, 16, 6381-6389.	1.4	43
14	Uncommon halogen bond motifs in cocrystals of aromatic amines and 1,4-diiodotetrafluorobenzene. CrystEngComm, 2016, 18, 7425-7429.	1.3	43
15	A Large Family of Halogen-Bonded Cocrystals Involving Metalâ€“Organic Building Blocks with Open Coordination Sites. Crystal Growth and Design, 2017, 17, 6169-6173.	1.4	42
16	Comparison of isomericmeta- andpara-diiodotetrafluorobenzene as halogen bond donors in crystal engineering. New Journal of Chemistry, 2018, 42, 10584-10591.	1.4	42
17	Synthesis of an extended halogen-bonded metalâ€“organic structure in a one-pot mechanochemical reaction that combines covalent bonding, coordination chemistry and supramolecular synthesis. CrystEngComm, 2014, 16, 10169-10172.	1.3	41
18	A Crystallographic Charge Density Study of the Partial Covalent Nature of Strong Nâ‹…â‹…â‹…Br Halogen Bonds. Angewandte Chemie - International Edition, 2019, 58, 15702-15706.	7.2	41

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19	Schiff base derived from 2-hydroxy-1-naphthaldehyde and liquid-assisted mechanochemical synthesis of its isostructural Cu(<scp>ii</scp>) and Co(<scp>ii</scp>) complexes. CrystEngComm, 2011, 13, 4351-4357.	1.3	38
20	Synthesis, Crystal Structure Determination and Antiproliferative Evaluation of Novel Benzazoyl Benzamides. Heterocycles, 2006, 68, 2285.	0.4	34
21	New insight into solid-state molecular dynamics: mechanochemical synthesis of azobenzene/triphenylphosphine palladacycles. Chemical Communications, 2011, 47, 11543.	2.2	32
22	The halogen bonding proclivity of the ortho-methoxyâ€“hydroxy group in cocrystals of o-vanillin imines and diiodotetrafluoro-benzenes. CrystEngComm, 2017, 19, 5576-5582.	1.3	32
23	Halogen bonding of the aldehyde oxygen atom in cocrystals of aromatic aldehydes and 1,4-diiodotetrafluorobenzene. CrystEngComm, 2019, 21, 3251-3255.	1.3	30
24	Bifurcated and Monocentric Halogen Bonds in Cocrystals of Metal(II) Acetylacetonates with p-Dihalotetrafluorobenzenes. Crystal Growth and Design, 2019, 19, 1245-1256.	1.4	30
25	Halogen bonded cocrystals of active pharmaceutical ingredients: pyrazinamide, lidocaine and pentoxifylline in combination with haloperfluorinated compounds. CrystEngComm, 2017, 19, 5293-5299.	1.3	29
26	Aging and Ball-Milling as Low-Energy and Environmentally Friendly Methods for the Synthesis of Pd(II) Photosensitizers. Organometallics, 2014, 33, 1227-1234.	1.1	27
27	Halogen bonding ofN-bromosuccinimide by grinding. CrystEngComm, 2016, 18, 3343-3346.	1.3	26
28	Playing with Isomerism: Cocrystallization of Isomeric N-Salicylideneaminopyridines with Perfluorinated Compounds as Halogen Bond Donors and Its Impact on Photochromism. Crystal Growth and Design, 2018, 18, 6833-6842.	1.4	25
29	Simple design for metal-based halogen-bonded cocrystals utilizing the Mâ€“Clâ‹¯I motif. CrystEngComm, 2018, 20, 5955-5963.	1.3	25
30	Polymorphism control in the mechanochemical and solution-based synthesis of a thermochromic Schiff base. CrystEngComm, 2015, 17, 7870-7877.	1.3	24
31	Controlling Solvate Formation of a Schiff Base by Combining Mechano-chemistry with Solution Synthesis. Croatica Chemica Acta, 2012, 85, 485-493.	0.1	23
32	Halogen Bonding of N-Bromophthalimide by Grinding and Solution Crystallization. Crystal Growth and Design, 2018, 18, 1182-1190.	1.4	21
33	Cyclodextrin encapsulation of daidzein and genistein by grinding: implication on the glycosaminoglycan accumulation in mucopolysaccharidosis type II and III fibroblasts. Journal of Microencapsulation, 2018, 35, 1-12.	1.2	20
34	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.	1.4	19
35	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.	2.2	18
36	Halogen-bonded cocrystals ofN-salicylidene Schiff bases and iodoperfluorinated benzenes: hydroxyl oxygen as a halogen bond acceptor. CrystEngComm, 2018, 20, 5332-5339.	1.3	17

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37	Synthesis of novel molybdenum(V) complexes: Structural characterization of two thiosemicarbazonato complexes [MoOCl2{C6H4(O)CH:NNHC:SNHC6H5}] and [MoOCl2{C10H6(O)CH:NNHC:SNHC6H5}]Â·CH3CN, and two oxohalomolybdates NH4[MoOCl4(CH3CN)] and [C5H5NH]2[MoOCl5]Â·CH2Cl2. Polyhedron, 2007, 26, 3363-3372.	1.0	16
38	Three routes to nickel(ii) salicylaldehyde 4-phenyl and 4-methylthiosemicarbazonato complexes: mechanochemical, electrochemical and conventional approach. CrystEngComm, 2012, 14, 3039.	1.3	16
39	Synthesis, characterization, crystal structure and predicting the second-order optical nonlinearity of a new dicobalt(III) complex with Schiff base ligand. Journal of Molecular Structure, 2015, 1083, 82-87.	1.8	16
40	The Morpholinyl Oxygen Atom as an Acceptor Site for Halogen-Bonded Cocrystallization of Organic and Metalâ€“Organic Units. Crystal Growth and Design, 2020, 20, 3617-3624.	1.4	14
41	Anticooperativity of Multiple Halogen Bonds and Its Effect on Stoichiometry of Cocrystals of Perfluorinated Iodobenzenes. Crystal Growth and Design, 2022, 22, 2644-2653.	1.4	14
42	Cocrystal trimorphism as a consequence of the orthogonality of halogen- and hydrogen-bonds synthons. Chemical Communications, 2019, 55, 14066-14069.	2.2	13
43	The Amine Group as Halogen Bond Acceptor in Cocrystals of Aromatic Diamines and Perfluorinated Iodobenzenes. Crystals, 2021, 11, 529.	1.0	13
44	Conservation of the Hydrogen-Bonded Pyridone Homosynthon in Halogen-Bonded Cocrystals. Crystal Growth and Design, 2022, 22, 987-992.	1.4	13
45	The Influence of Liquid on the Outcome of Halogen-Bonded Metalâ€“Organic Materials Synthesis by Liquid Assisted Grinding. Crystals, 2017, 7, 363.	1.0	11
46	A Crystallographic Charge Density Study of the Partial Covalent Nature of Strong Nâ‹…â‹…â‹…Br Halogen Bonds. Angewandte Chemie, 2019, 131, 15849-15853.	1.6	11
47	Halogen and Hydrogen Bond Motifs in Ionic Cocrystals Derived from 3-Halopyridinium Halogenides and Perfluorinated Iodobenzenes. Crystal Growth and Design, 2021, 21, 6044-6050.	1.4	11
48	Correlation between structural, physical and chemical properties of three new tetranuclear Ni^{II} clusters. New Journal of Chemistry, 2016, 40, 6604-6614.	1.4	10
49	Inorganic bromine in organic molecular crystals: Database survey and four case studies. Journal of Molecular Structure, 2017, 1128, 400-409.	1.8	10
50	Halogen-bonded cocrystals of donepezil with perfluorinated diiodobenzenes. CrystEngComm, 2020, 22, 5573-5577.	1.3	10
51	A coloring tool for spiropyrans: solid state metalâ€“organic complexation versus salification. CrystEngComm, 2019, 21, 4925-4933.	1.3	9
52	The Synthesis and Structure of Two Novel N-(Benzothiazol-2-yl)benzamides. Journal of Chemical Crystallography, 2008, 38, 775-780.	0.5	8
53	Strong decoupling between magnetic subsystems in the low-dimensional spin- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SeCuO</mml:mi><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2019, 99, .	1.1	8
54	Tautomeric Equilibrium of an Asymmetric Î²-Diketone in Halogen-Bonded Cocrystals with Perfluorinated Iodobenzenes. Crystals, 2021, 11, 699.	1.0	7

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55	Mechanochemical and solution-based cocrystallization of 9,10-phenanthrenequinone and thiourea. CrystEngComm, 2015, 17, 6274-6277.	1.3	6
56	Co-grinding with surfactants as a new approach to enhance in vitro dissolution of praziquantel. Journal of Pharmaceutical and Biomedical Analysis, 2020, 189, 113494.	1.4	6
57	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.	1.4	6
58	Exploring the Halogen-Bonded Cocrystallization Potential of a Metal-Organic Unit Derived from Copper(ii) Chloride and 4-Aminoacetophenone. Materials, 2020, 13, 2385.	1.3	5
59	Cobaloximes as Building Blocks in Halogen-Bonded Cocrystals. Materials, 2020, 13, 2370.	1.3	4
60	Hydrogen bonding in the bromide salts of 4-aminobenzoic acid and 4-aminoacetophenone. Acta Crystallographica Section C: Crystal Structure Communications, 2008, 64, o226-o229.	0.4	2
61	Halogen and Hydrogen Bonding between (N -Halogeno)-succinimides and Pyridine Derivatives in Solution, the Solid State and in Silico. Chemistry - A European Journal, 2017, 23, 5175-5175.	1.7	2
62	Influence of intramolecular hydrogen bonding on structures and thermal stability of Cu(II) and Zn(II) Î²-diketonate adducts. Journal of Molecular Structure, 2021, 1246, 131130.	1.8	2
63	3-Hydroxyanilinium bromide. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o3873-o3873.	0.2	1
64	4-Acetylanilinium perchlorate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4672-o4672.	0.2	1
65	Hydrogen-bonding motifs in 3-carboxyanilinium bromide and iodide. Acta Crystallographica Section C: Crystal Structure Communications, 2008, 64, o101-o104.	0.4	1
66	3-Acetylanilinium bromide, nitrate and dihydrogen phosphate: hydrogen-bonding motifs in one, two and three dimensions. Acta Crystallographica Section C: Crystal Structure Communications, 2008, 64, o561-o565.	0.4	1
67	Halogenâ€Bonded Coâ€Crystals Containing Monoâ€•and Dinuclear Metalâ€Organic Units: Threeâ€Component Oneâ€Pot Mechanosynthesis, Structural Analysis and Magnetic Properties. Chemistry Methods, 0, , .	1.8	0