

Eric Bosch

List of Publications by Year in descending order

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105
papers

2,287
citations

201674

27
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233421

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108
all docs

108
docs citations

108
times ranked

2220
citing authors

#	ARTICLE	IF	CITATIONS
1	Rate constants for halogen atom transfer from representative .alpha.-halo carbonyl compounds to primary alkyl radicals. <i>Journal of Organic Chemistry</i> , 1989, 54, 1826-1831.	3.2	169
2	Triangular Halogen-Halogen-Halogen Interactions as a Cohesive Force in the Structures of Trihalomesitylenes. <i>Crystal Growth and Design</i> , 2002, 2, 299-302.	3.0	160
3	Palladium-catalyzed propargylic vs. allylic alkylation. <i>Journal of Organic Chemistry</i> , 1986, 51, 4006-4016.	3.2	100
4	Synthesis of .gamma.- and .delta.-lactones by free-radical annelation of Se-phenyl selenocarbonates. <i>Journal of Organic Chemistry</i> , 1992, 57, 4696-4705.	3.2	98
5	Direct Nitrosation of Aromatic Hydrocarbons and Ethers with the Electrophilic Nitrosonium Cation. <i>Journal of Organic Chemistry</i> , 1994, 59, 5573-5586.	3.2	91
6	Synthesis of α -alkylidene- β -lactones by intramolecular addition of alkoxy carbonyl free-radicals to acetylenes. <i>Tetrahedron Letters</i> , 1986, 27, 641-644.	1.4	74
7	1,2-Bis(2-pyridylethynyl)benzene, a Novel Trans-Chelating Bipyridyl Ligand. Structural Characterization of the Complexes with Silver(I) Triflate and Palladium(II) Chloride. <i>Inorganic Chemistry</i> , 2001, 40, 3097-3100.	4.0	67
8	Selective Catalysis of Thioether Oxidations with Dioxygen. Critical Role of Nitrosonium EDA Complexes in the Thermal and Photochemical Transfer of Oxygen Atom from Nitrogen Oxides to Sulfur Centers. <i>Journal of Organic Chemistry</i> , 1995, 60, 3172-3183.	3.2	65
9	One- and Two-Dimensional Silver-Coordination Networks Containing π -Sandwiched Silver-Silver Interactions. <i>Inorganic Chemistry</i> , 2002, 41, 2543-2547.	4.0	63
10	Adsorption of trichloro- and trifluoromethane in Y-zeolites as studied by IR spectroscopy and multinuclear solid-state NMR. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 579-584.	2.8	61
11	Free-radical annelation in the synthesis of bicyclic .beta.-lactams. 7. A one-pot, four-step, sequential reaction. <i>Journal of Organic Chemistry</i> , 1993, 58, 5581-5582.	3.2	54
12	Tributylstannane-mediated cyclization of thionocarboxylic acid derivatives. <i>Journal of Organic Chemistry</i> , 1992, 57, 6803-6810.	3.2	51
13	Characterization of V ₂ O ₅ -TiO ₂ Catalysts Prepared by Milling by ESR and Solid State ¹ H and ⁵¹ V NMR. <i>Journal of Physical Chemistry B</i> , 1999, 103, 7599-7606.	2.6	51
14	Catalytic Epoxidation of Hindered Olefins with Dioxygen. Fast Oxygen Atom Transfer to Olefin Cation Radicals from Nitrogen Oxides. <i>Journal of the American Chemical Society</i> , 1996, 118, 1319-1329.	13.7	49
15	Silver(I) Coordination Chemistry of 2,6-Diarylpyrazines. π -Stacking, Anion Coordination, and Steric Control. <i>Inorganic Chemistry</i> , 2003, 42, 5304-5310.	4.0	48
16	Role of sp ² -C-H...N Hydrogen Bonding in Crystal Engineering. <i>Crystal Growth and Design</i> , 2010, 10, 3808-3813.	3.0	48
17	Spectroscopic and Microscopic Characterization of Iron- and/or Manganese-Promoted Sulfated Zirconia. <i>Journal of Catalysis</i> , 1998, 177, 137-146.	6.2	47
18	Free radical cyclization of thionocarboxylic acid derivatives of 4-phenyl-3-butenol. A new route to thionolactones. <i>Journal of Organic Chemistry</i> , 1989, 54, 1234-1236.	3.2	42

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19	Triple-Pnictogen Bonding as a Tool for Supramolecular Assembly. <i>Inorganic Chemistry</i> , 2019, 58, 16227-16235.	4.0	42
20	Anion Control of the Self-Assembly of 2,3-Diarylpyrazines with Silver(I) Salts. <i>Inorganic Chemistry</i> , 2003, 42, 8886-8890.	4.0	40
21	The Power of Nonconventional Phenyl C-H...N Hydrogen Bonds: Supportive Crystal-Packing Force and Dominant Supramolecular Engineering Force. <i>Crystal Growth and Design</i> , 2015, 15, 1634-1641.	3.0	36
22	Convenient preparation of quinones via the catalytic autoxidation of hydroquinones with nitrogen oxides. <i>Tetrahedron Letters</i> , 1994, 35, 1335-1338.	1.4	32
23	Synthesis and Crystallographic Characterization of a Novel Platinocycle. <i>Organometallics</i> , 2000, 19, 5522-5524.	2.3	32
24	Role of π - π Stacking and Halogen Bonding by 1,4-Diodoperchlorobenzene To Organize the Solid State To Achieve a [2 + 2] Cycloaddition Reaction. <i>Crystal Growth and Design</i> , 2019, 19, 3092-3096.	3.0	32
25	From Molecular Design to Supramolecular Design: Synthesis and Size-Selective Coordination Chemistry of 1,2-Bis(2-pyrazineethynyl) Benzene. <i>Crystal Growth and Design</i> , 2003, 3, 573-580.	3.0	31
26	Intramolecular Halogen Bonding in Solution: ^{15}N , ^{13}C , and ^{19}F NMR Studies of Temperature and Solvent Effects. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1685-1695.	2.4	29
27	Cation-Induced π -Stacking. <i>Journal of Organic Chemistry</i> , 2008, 73, 3931-3934.	3.2	28
28	Intramolecular Halogen Bonding Supported by an Aryldiylne Linker. <i>Journal of Organic Chemistry</i> , 2014, 79, 6269-6278.	3.2	28
29	Serendipity and the Search for Short N-I Halogen Bonds. <i>Crystal Growth and Design</i> , 2014, 14, 126-130.	3.0	25
30	Crystal structure of kinetic and thermodynamic coordination networks formed between 3,3'-bis(2-pyridylethyne) and copper bromide. <i>New Journal of Chemistry</i> , 2001, 25, 1376-1378.	2.8	24
31	Design and Synthesis of a Sterically Hindered Pyridine and Its Encapsulation of Silver(I) Cation. <i>Inorganic Chemistry</i> , 2001, 40, 3234-3236.	4.0	24
32	The Quest for Chain-Link Hydrogen-Bonded Capsules: Self-Assembly of C-Methyl Calix[4]resorcinarene with 1,2-Bis(5-pyrimidyl)ethyne. <i>Crystal Growth and Design</i> , 2004, 4, 235-239.	3.0	24
33	Desilylation of β -trimethylsilylmethylene- γ -lactones. A new route to β -methylene- γ -lactones. <i>Tetrahedron Letters</i> , 1988, 29, 2581-2584.	1.4	22
34	Ligand Flexibility and Dual Complexation Modes on Reaction of 1,2-bis(2-pyridylethynyl)Benzene with Copper(I) Halides. <i>Journal of Coordination Chemistry</i> , 2003, 56, 329-336.	2.2	22
35	Chain-link hydrogen-bonded capsules. <i>CrystEngComm</i> , 2007, 9, 191-198.	2.6	22
36	Formation of Self-Complementary Halogen-Bonded Dimers. <i>Crystal Growth and Design</i> , 2015, 15, 1112-1118.	3.0	21

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37	The Quest for Chain-Link Hydrogen-Bonded Capsules: Self-Assembly of C-Methyl Calix[4]resorcinarene with 5,5-Bipyrimidine. <i>Crystal Growth and Design</i> , 2005, 5, 1049-1053.	3.0	20
38	Effects of dynamic pedal motion and static disorder on thermal expansion within halogen-bonded co-crystals. <i>New Journal of Chemistry</i> , 2019, 43, 18433-18436.	2.8	19
39	Donor-Acceptor Interactions in Crystal Engineering. <i>Organic Letters</i> , 2001, 3, 881-883.	4.6	17
40	Preparation of α -aminoacetophenones: a one-pot hydration and reduction of 1-ethyl-2-nitrobenzenes. <i>Tetrahedron Letters</i> , 2001, 42, 8141-8142.	1.4	17
41	Regioselective [2 + 2] cycloaddition reaction within a pair of polymorphic co-crystals based upon halogen bonding interactions. <i>CrystEngComm</i> , 2019, 21, 6671-6675.	2.6	17
42	Incorporating Ester Functionality within a Solid-State [2 + 2] Cycloaddition Reaction Based Upon Halogen Bonding Interactions. <i>Crystal Growth and Design</i> , 2020, 20, 1969-1974.	3.0	17
43	Facile Synthesis of Diarylpyrazines Using Suzuki Coupling of Dichloropyrazines with Aryl Boronic Acids. <i>Heterocycles</i> , 2003, 60, 1891.	0.7	14
44	Self-Assembly of C-Methyl Calix[4]resorcinarene with 1,2-Bis(5-pyrimidyl)ethene. <i>Crystal Growth and Design</i> , 2007, 7, 984-988.	3.0	13
45	Serendipity in the Crystallization of a Series of C-Alkylcalix[4]resorcinarenes from Alcoholic Solvents. <i>Crystal Growth and Design</i> , 2010, 10, 4043-4049.	3.0	13
46	Controlling Thermal Expansion in Supramolecular Halogen-Bonded Mixed Cocrystals through Synthetic Feed and Dynamic Motion. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	13
47	Synthesis of non-aromatic heterocyclic compounds through free-radical reactions. <i>Pure and Applied Chemistry</i> , 1993, 65, 595-601.	1.9	12
48	Synthesis of a New Tetrapyrindyl Ligand and the Characterization of Three Distinct Metal- and Hydrogen-Bonding Conformations. <i>Crystal Growth and Design</i> , 2003, 3, 263-266.	3.0	11
49	Formation of Hexagonal Coordination Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 45-46.	2.0	11
50	Synthesis and X-ray crystal structure of a complex formed by reaction of 1,2-bis(2-pyridylethynyl)benzene and mercury(II) chloride. <i>Journal of Chemical Crystallography</i> , 2006, 36, 563-566.	1.1	11
51	Complexation of silver(I) cation by a series of heterosubstituted dipyrindyl ligands. <i>Inorganica Chimica Acta</i> , 2010, 363, 3987-3992.	2.4	11
52	Supramolecular Polymer Formation Featuring Cooperative Halogen Bonding and Nonconventional sp ² -CH \cdots N Hydrogen Bonding. <i>Crystal Growth and Design</i> , 2019, 19, 5929-5933.	3.0	11
53	Synthesis and structure of an unusual complex formed between 1,2-bis(3-pyridyl)ethyne and C-methyl calix[4]resorcinarene. <i>Journal of Chemical Crystallography</i> , 2004, 34, 859-864.	1.1	10
54	Conjugated metallorganic macrocycles: opportunities for coordination-driven planarization of bidentate, pyridine-based ligands. <i>Dalton Transactions</i> , 2013, 42, 948-958.	3.3	10

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55	Synthesis and Characterization of 1,2-bis(2-pyrazineethynyl) Benzene Palladium(II) Dichloride and Its Catalysis of the Suzuki Coupling Reaction. <i>Synthetic Communications</i> , 2004, 34, 1499-1505.	2.1	9
56	Self-Assembly of C-Methyl Calix[4]resorcinarene with 5,5'-Bipyrimidine. <i>Journal of Chemical Crystallography</i> , 2007, 37, 783-786.	1.1	9
57	C [∞] 1...N and C [∞] 1...I [∞] halogen bonding in the structures of 1-benzylidoimidazole derivatives. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 2-8.	0.5	9
58	Comparing Strong and Weak Halogen Bonding in Solution: ¹³ C NMR, UV/Vis, Crystallographic, and Computational Studies of an Intramolecular Model. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5739-5749.	2.4	9
59	Infinite and discrete halogen bonded assemblies based upon 1,2-bis(iodoethynyl)benzene. <i>CrystEngComm</i> , 2019, 21, 990-993.	2.6	9
60	Charge-transfer absorption of olefins with nitrosonium. Structural relevance to the dimethylbutene complex with dinitrogen tetraoxide. <i>Research on Chemical Intermediates</i> , 1996, 22, 209-224.	2.7	8
61	Cooperative halogen bonding and polarized I [∞] -stacking in the formation of coloured charge-transfer co-crystals. <i>New Journal of Chemistry</i> , 2018, 42, 10615-10622.	2.8	8
62	Synthesis of honeycomb coordination networks by self-assembly of the tetradentate ligand 1,2-bis(5'-dipyrimidyl)ethyne with copper(I) halides. <i>Journal of Supramolecular Chemistry</i> , 2001, 1, 153-155.	0.4	7
63	Role of counterions in the structures of diquinoliny-silver coordination polymers. <i>CrystEngComm</i> , 2011, 13, 5755.	2.6	7
64	Crystal structures of the coordination polymers formed between 1,2-bis(3-pyridyl)ethyne and silver(I) trifluoromethanesulfonate. <i>Journal of Coordination Chemistry</i> , 2005, 58, 1021-1027.	2.2	6
65	Comparison of sp-C-H...N Hydrogen Bond Lengths in Fluorinated and Nonfluorinated Ethynylbenzenes. <i>Journal of Chemical Crystallography</i> , 2014, 44, 287-292.	1.1	6
66	Iodoperchlorobenzene acts as a dual halogen-bond donor to template a [2 + 2] cycloaddition reaction within an organic co-crystal. <i>CrystEngComm</i> , 2021, 23, 8265-8268.	2.6	6
67	The Discovery Approach to NMR: Development of Chemical-Shift Additivity Tables and Application to Product Identification. <i>Journal of Chemical Education</i> , 2000, 77, 890.	2.3	5
68	Title is missing!. <i>Journal of Chemical Crystallography</i> , 2003, 33, 723-726.	1.1	5
69	Solid-State Photodimerization of 1,2-Bis(5'-pyrimidyl)ethene. <i>Synthetic Communications</i> , 2007, 37, 3835-3839.	2.1	5
70	Conjugated, <i>trans</i> -Spanning Ligands as Models for Multivalent <i>p</i> -Phenyleneethynylenes. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 891-895.	2.4	5
71	Effects of Halogen and Hydrogen Bonding on the Electronics of a Conjugated Rotor. <i>Journal of Organic Chemistry</i> , 2018, 83, 6142-6150.	3.2	5
72	Cooperative Strong Charge-Assisted N-H...O Hydrogen Bonding and Weaker Nonconventional C-H...N Hydrogen Bonding in the Formation of Extended Hydrogen-Bonded Networks with 2,3,5,6-Tetrafluorobenzoic Acid. <i>Crystal Growth and Design</i> , 2020, 20, 1565-1571.	3.0	5

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73	Ditopic halogen bonding with bipyrimidines and activated pyrimidines. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 458-467.	0.5	5
74	Complementary, Cooperative Ditopic Halogen Bonding and Electron Donor-Acceptor π - π Complexation in the Formation of Cocrystals. Molecules, 2022, 27, 1527.	3.8	5
75	Synthesis and X-ray structure of 5-methoxy-2,4,6-trimethyl-2-nitrosobiphenyl. Journal of Chemical Crystallography, 2001, 31, 105-108.	1.1	4
76	Coordination complexes of 2,6-diarylpyrazines with copper(II) acetate. Journal of Chemical Crystallography, 2004, 34, 785-791.	1.1	4
77	Controlling Topology within Halogen-Bonded Networks by Varying the Regiochemistry of the Cyclobutane-Based Nodes. Molecules, 2021, 26, 3152.	3.8	4
78	Crystal structure and photoreactivity of a halogen-bonded cocrystal based upon 1,2-diiodoperchlorobenzene and 1,2-bis(pyridin-4-yl)ethylene. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 557-561.	0.5	4
79	Coordination Network Formed Between 5,5-Bipyrimidine and Copper(I) Iodide. Journal of Chemical Crystallography, 2012, 42, 455-457.	1.1	3
80	Structural Analysis of Methyl-Substituted Nitrosobenzenes and Nitrosoanisoles. Journal of Chemical Crystallography, 2014, 44, 98-102.	1.1	3
81	Extended Self-complementary Halogen Bonded Dimers. Journal of Chemical Crystallography, 2015, 45, 466-475.	1.1	3
82	Cocrystals of 1,4-diethynylbenzene with 1,3-diacetylbenzene and benzene-1,4-dicarbaldehyde exhibiting strong nonconventional alkyne-carbonyl $\text{H}\cdots\text{O}$ hydrogen bonds between the components. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 748-752.	0.5	3
83	Application of a tetrapyrimidyl cyclobutane synthesized in the organic solid state: a halogen-bonded supramolecular ladder. CrystEngComm, 2020, 22, 6780-6782.	2.6	3
84	Cooperative non-covalent interactions and synthetic feed as driving forces to structural diversity within organic co-crystals containing isosteric perhalobenzenes. CrystEngComm, 2022, 24, 3841-3845.	2.6	3
85	Co-operative halogen bonds and nonconventional $\text{C}\cdots\text{H}\cdots\text{O}$ hydrogen bonds in 1:1 cocrystals formed between diethynylpyridines and <i>N</i> -halosuccinimides. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 424-429.	0.5	3
86	SPECTROSCOPIC EVIDENCE FOR DONOR-INDUCED FORMATION OF NITROSONIUM IN ACIDIFIED SOLUTIONS OF ALKYL NITRITES. Spectroscopy Letters, 2001, 34, 35-42.	1.0	2
87	Synthesis of 1,2-bis(2-ethynylpyrimidyl) benzene and characterization of the coordination complexes with palladium(II) chloride and silver(I) trifluoromethanesulfonate. Journal of Coordination Chemistry, 2008, 61, 322-327.	2.2	2
88	Conformational control through co-operative nonconventional $\text{C}\cdots\text{H}\cdots\text{N}$ hydrogen bonds. Acta Crystallographica Section C, Structural Chemistry, 2021, 77, 485-489.	0.5	2
89	1,2,4,5-Tetrachloro-3,6-diiodobenzene benzene monosolvate. IUCrData, 2019, 4, .	0.3	2
90	Controlling Thermal Expansion in Supramolecular Halogen-Bonded Mixed Cocrystals through Synthetic Feed and Dynamic Motion. Angewandte Chemie, 2022, 134, .	2.0	2

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91	Hydrogen-bonded networks formed by substituted 2,6-diarylpyrazines. <i>Journal of Chemical Crystallography</i> , 2005, 35, 367-372.	1.1	1
92	Synthesis of 1,2-Bis(8-quinolinyl)ethyne and X-ray Characterization of Its Rearranged Oxidation Product 2-Quinoline-8-yl-pyrrolo[3,2,1-ij]quinoline-4-one. <i>Journal of Chemical Crystallography</i> , 2012, 42, 1080-1084.	1.1	1
93	Extrapolation from Small Molecules to Polymers: A Simple and Effective Way To Promote Interest in Both Organic Chemistry and Polymer Chemistry. <i>ACS Symposium Series</i> , 2013, , 53-62.	0.5	1
94	X-ray Structures of 1-Ethynyl-2-Nitrobenzene and 1-Ethynyl-4,5-Dimethyl-2-Nitrobenzene: Correlation to the Enhanced Rate of Hydration and Investigation of the C-H...O Alkyne-Nitro Hydrogen Bonding. <i>Journal of Chemical Crystallography</i> , 2016, 46, 303-308.	1.1	1
95	Unexpected beauty and diversity in the structures of three homologous 4,5-dialkoxy-1-ethynyl-2-nitrobenzenes: the subtle interplay between intermolecular C-H...O hydrogen bonds and alkyl chain length. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 814-819.	0.5	1
96	Synthesis and crystal structures of two purpurin derivatives: 1,4-dihydroxy-2-propoxyanthraquinone and 2-butoxy-1,4-dihydroxyanthraquinone. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1687-1691.	0.5	1
97	Arylethynyl Helices Supported by π -Stacking and Halogen Bonding. <i>ChemPlusChem</i> , 2021, 86, 745-749.	2.8	1
98	Halogen-bonded zigzag molecular network based upon 1,2-diiodoperchlorobenzene and the photoproduct <i>1,3-bis(pyridin-4-yl)-2,4-diphenylcyclobutane</i> . <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2022, 78, 506-509.	0.5	1
99	2,4,6-Tris(2',4',6'-trimethylphenylethynyl)mesitylene. <i>Molecules</i> , 2000, 5, M147.	3.8	0
100	1,4-Bis(2',4',6'-trimethylphenylethynyl)benzene. <i>Molecules</i> , 2000, 5, M185.	3.8	0
101	Molecular structure of 3-mesityl-1,4-benzoquinonemonoxime. <i>Journal of Chemical Crystallography</i> , 2004, 34, 723-726.	1.1	0
102	Synthesis of 4-[(2-imidazolethynyl)]-5-(2-pyridylethynyl)veratrole and characterization of the coordination complexes with silver(I) and palladium(II). <i>Inorganica Chimica Acta</i> , 2020, 502, 119328.	2.4	0
103	1-(2-Amino-4,5-dimethylphenyl)ethanone. <i>IUCrData</i> , 2018, 3, .	0.3	0
104	Crystal structure of the co-crystal salt 2-amino-6-bromopyridinium 2,3,5,6-tetrafluorobenzoate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 284-287.	0.5	0
105	5-[[4-(Dimethylamino)phenyl]ethynyl]pyrimidine-1,2,3,5-tetrafluoro-4,6-diiodobenzene (1/2). <i>IUCrData</i> , 2022, 7, .	0.3	0