## Petra Bombicz

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5033337/publications.pdf

Version: 2024-02-01

304743 345221 1,617 113 22 36 citations h-index g-index papers 118 118 118 2149 docs citations times ranked citing authors all docs

#	Article	IF	Citations
1	Science in space: crystallographyEditorial for Crystallography Reviews, Issue $1$ of Volume27, 2021. Crystallography Reviews, 2021, 27, 1-2.	1.5	O
2	(Me <sub>2</sub> NH <sub>2</sub> ) <sub>10</sub> [H <sub>2</sub> -Dodecatungstate] polymorphs: dodecatungstate cages embedded in a variable dimethylammonium cation + water of crystallization matrix. RSC Advances, 2021, 11, 3713-3724.	3.6	2
3	Crystal structures of zinc(II) complexes with $\hat{l}^2$ -hydroxypyridinecarboxylate ligands: examples of structure-directing effects used in inorganic crystal engineering. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 193-204.	1.1	2
4	Exploring Cyclic Aminopolycarboxylate Ligands for Sb(III) Complexation: PCTA and Its Derivatives as a Promising Solution. Inorganic Chemistry, 2021, 60, 14253-14262.	4.0	1
5	A bug in enantiomer separation: double salt formation – diastereomeric and double salt structures of 1-cyclohexylethylammonium 2- and 4-chloromandelate. CrystEngComm, 2021, 23, 5367-5376.	2.6	2
6	Solvatomorph and polymorph screening of clopamide drug and its copper(ii) complex crystals. CrystEngComm, 2021, 23, 7425-7441.	2.6	1
7	Artificial Intelligence and Machine Learning in Crystallography Editorial for Crystallography Reviews, Issue 2 of Volume27, 2021. Crystallography Reviews, 2021, 27, 51-53.	1.5	O
8	Teaching crystallography. Crystallography Reviews, 2021, 27, 133-134.	1.5	0
9	Science-in-time: from basics to technical fruition, from childhood to fulfilment Editorial for Crystallography Reviews, Issue 3 of 2020. Crystallography Reviews, 2020, 26, 117-118.	1.5	O
10	Crystallography reading during coronavirus timeEditorial for Crystallography Reviews, Issue 2 of 2020. Crystallography Reviews, 2020, 26, 67-68.	1.5	0
11	Selectively Tunable Domino Reaction of 1,3â€Diphenylpropaneâ€1,3â€dione on the Ethoxyâ€Silicon Core. European Journal of Inorganic Chemistry, 2020, 2020, 656-664.	2.0	O
12	The Definitive Hitchhiker's Guide to Pathological Macromolecular Crystals Editorial for Crystallography Reviews, Issue 1 of 2020. Crystallography Reviews, 2020, 26, 1-2.	1.5	0
13	Methods for easy recognition of isostructurality – lab jack-like crystal structures of halogenated 2-phenylbenzimidazoles. CrystEngComm, 2020, 22, 7193-7203.	2.6	14
14	Quantum crystallography, and more, why and how science matters Editorial for Crystallography Reviews, Issue 4 of 2020. Crystallography Reviews, 2020, 26, 207-208.	1.5	0
15	Data quality improvement of diffraction data Editorial for Crystallography Reviews, Issue 2 of Volume 25 (2019). Crystallography Reviews, 2019, 25, 81-82.	1.5	O
16	Macromolecular atomic model refinement Editorial for Crystallography Reviews, Issue 3 of 2019. Crystallography Reviews, 2019, 25, 163-163.	1.5	0
17	A history and an industry perspective of crystallography. Crystallography Reviews, 2019, 25, 263-263.	1.5	1
18	Relationship between solid state structure and solution stability of copper( <scp>ii</scp> )â€"hydroxypyridinecarboxylate complexes. New Journal of Chemistry, 2019, 43, 10699-10710.	2.8	4

#	Article	IF	CITATIONS
19	How to achieve the best possible diffraction data? Editorial for Crystallography Reviews, Issue 1 of 2019. Crystallography Reviews, 2019, 25, 1-2.	1.5	1
20	Editorial for Crystallography Reviews, Issue 1 of 2018. Crystallography Reviews, 2018, 24, 1-2.	1.5	0
21	Polymorphism of a porous hydrogen bond-assisted ionic organic framework. CrystEngComm, 2018, 20, 1779-1782.	2.6	4
22	2 H magic-angle spinning NMR and powder diffraction study of deuterated paramagnetic copper(II) glycinato complexes. Information on crystallographic symmetries, stereo-isomerism, and molecular mobility available from ssNMR spectra. Inorganica Chimica Acta, 2018, 472, 320-329.	2.4	2
23	How to produce good data and how to check the quality of the data? Editorial for crystallography reviews, issue 4 of 2018. Crystallography Reviews, 2018, 24, 215-216.	1.5	O
24	Diterpenoids from <i>Euphorbia dulcis</i> with Potassium Ion Channel Inhibitory Activity with Selective G Protein-Activated Inwardly Rectifying Ion Channel (GIRK) Blocking Effect. Journal of Natural Products, 2018, 81, 2483-2492.	3.0	14
25	The chemical identity of "[Ag(py) <sub>2</sub> ]MnO <sub>4</sub> ―organic solvent soluble oxidizing agent and new synthetic routes for the preparation of [Ag(py) <sub>n</sub> ]XO <sub>4</sub> (X = Mn,)	<b>Ђj.£</b> TQq1	հ0.78431
26	What is behind a successful academic carrier? Editorial for Crystallography Reviews, Issue 3 of 2018. Crystallography Reviews, 2018, 24, 147-148.	1.5	0
27	Is Crystallography Useful? Editorial for Crystallography Reviews, Issue 2 of 2018. Crystallography Reviews, 2018, 24, 71-72.	1.5	O
28	The structure of copper(II) hydroxypyridinecarboxylic acid derivatives in both solid and solution phases. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e132-e132.	0.1	0
29	A systematic structural study of halogenated 2-phenylbenzimidazoles. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e355-e355.	0.1	O
30	Sponge-like structures assisted by hydrogen bonds. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e338-e338.	0.1	0
31	The role of supramolecular interactions in the formation of isostructural and polymorphic structures. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e112-e112.	0.1	O
32	The way from isostructurality to polymorphism. Where are the borders? The role of supramolecular interactions and crystal symmetries. Crystallography Reviews, 2017, 23, 118-151.	1.5	20
33	Expanding the Pillararene Chemistry: Synthesis and Application of a 10 + 1 Functionalized Pillar[5]arene. Organic Letters, 2017, 19, 4528-4531.	4.6	29
34	Structural, analytical and DSC references to resolution of 2-methoxy-2-phenylacetic acid with chiral 1-cyclohexylethylamines through gas-antisolvent precipitation. Thermochimica Acta, 2017, 648, 23-31.	2.7	3
35	Investigations of LiP(SiMe <sub>2</sub> CH <sub>2</sub> SiMe <sub>3</sub> )â€"P <i>t</i> Bu <sub>2</sub> , the Surprising Byproduct in the Metalation of (Me <sub>3</sub> Si) <sub>2</sub> Pâ€"P <i>t</i> Bu <sub>2</sub> . European Journal of Inorganic Chemistry, 2017, 2017, 5521-5528.	2.0	3
36	Silolyl-FeCp complexes: is there a way to sila-ferrocene?. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s123-s123.	0.1	o

#	Article	IF	CITATIONS
37	Crystal structure of levomepromazine maleate. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 612-615.	0.5	2
38	Modular Copper-Catalyzed Synthesis of Chromeno [4,3- <i>b</i> ) quinolines with the Utilization of Diaryliodonium Salts. Journal of Organic Chemistry, 2016, 81, 920-931.	3.2	41
39	Intermolecular interactions of benzimidazole derivatives. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s467-s467.	0.1	0
40	Effect of methyl and hydroxyl substitution to the single-crystal formation of some hydroxypyridinecarboxylic acids and their copper(II)complexes. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s472-s472.	0.1	O
41	Symmetry-controlled rearrangements in Piedfort Units (PU) of 2,4,6-triaryloxy-1,3,5-triazines. Structural Chemistry, 2015, 26, 1611-1619.	2.0	5
42	Supramolecular interactions in the solid state. IUCrJ, 2015, 2, 675-690.	2.2	108
43	Utilization of Copper-Catalyzed Carboarylation–Ring Closure for the Synthesis of New Oxazoline Derivatives. Organic Letters, 2015, 17, 4136-4139.	4.6	39
44	$\hat{l}\cdot 1$ -silolyl-FeCp(CO) 2 complexes. Is there a way to sila-ferrocene?. Journal of Organometallic Chemistry, 2015, 799-800, 291-298.	1.8	4
45	Transformation of Zwitterionic Pyridine Derivatives to a Spiro-Fused Ring System: Azoniabenzo[ <i>de</i> ]fluorine. Synthesis and Mechanistic Rationalization. Journal of Organic Chemistry, 2015, 80, 174-179.	3.2	2
46	From Neutral to Ionic Species: Syntheses and Xâ€ray Crystallographic and Multinuclear NMR Spectroscopic Studies of Li···P(SiMe <sub>3</sub> )â€"P <i>&gt;t</i> Bu <sub>2</sub> and Its Solvent Complexes. European Journal of Inorganic Chemistry, 2014, 2014, 221-232.	2.0	11
47	Conformational studies on substituted ε-caprolactams by X-ray crystallography and NMR spectroscopy. New Journal of Chemistry, 2014, 38, 5905-5917.	2.8	11
48	Crystal structures and isometricity comparison of methylated bisphenol F derivatives. Journal of Molecular Structure, 2014, 1056-1057, 319-325.	3.6	8
49	Fine tuning of crystal architecture by intermolecular interactions: synthon engineering. CrystEngComm, 2014, 16, 3646-3654.	2.6	48
50	Solid state structural relation and binary melting phase diagram of (S-) and racemic 2-(2-nitro-1-phenylethyl)-1,3-diphenyl-propane-1,3-dione. Thermochimica Acta, 2014, 580, 46-52.	2.7	7
51	Fine-tuning of packing architecture: symmetrically bridge-disubstituted tetramethoxycalix[4]arenes. Structural Chemistry, 2013, 24, 535-541.	2.0	7
52	Fine tuning of the inclusion behaviour of calixarenes depending on the bridge substituents. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s546-s546.	0.3	0
53	Bridge-Disubstituted Calix[4]arenes in the Rare 1,2-Alternate Conformation: Control of the Inclusion Behavior Depending on the Bridge Substituents. Crystal Growth and Design, 2012, 12, 2445-2454.	3.0	13
54	Polytypic modifications in heavily Tb and Eu doped gadolinium aluminum borate crystals. Journal of Crystal Growth, 2012, 351, 72-76.	1.5	6

#	Article	IF	CITATIONS
55	Selective hydroboration of dieneamines. Formation of hydroxyalkylphenothiazines as MDR modulators. Bioorganic and Medicinal Chemistry, 2012, 20, 4258-4270.	3.0	3
56	Upper rim site lipophilic calix[4]arenes as receptors for natural terpenes and functionally related solvent molecules: combined crystal structure and QMB sensor study. CrystEngComm, 2011, 13, 1422-1431.	2.6	16
57	Structure and evolved gas analyses (TG/DTA-MS and TG-FTIR) of mer-trichlorotris(thiourea)-indium(III), a precursor for indium sulfide thin films. Journal of Thermal Analysis and Calorimetry, 2011, 105, 83-91.	3.6	24
58	Comparative X-ray structural study of laterally mono-ethyl substituted 5,11,17,23-tetra-tert-butyl-25,26,27,28-tetra-methoxycalix[4] arene and its non-substituted parent compound including guest free and solvated forms. Chemical straightening of guest channels. Structural Chemistry, 2011, 22, 433-439.	2.0	12
59	Neutral Pentacoordinate Group 14 Compounds with $\hat{l}^2$ -Diketonato ligands. Organometallics, 2010, 29, 1100-1106.	2.3	11
60	Synthesis, Structural, DFT, and Cytotoxicity Studies of Cull and Nill Complexes with 3-Aminopyrazole Derivatives. Australian Journal of Chemistry, 2010, 63, 1557.	0.9	8
61	Involvement of organic fluorine substitution in the crystalline packing structures of tricyclic Diels–Alder adducts derived from diarylfulvenes and N-arylimides. Journal of Fluorine Chemistry, 2010, 131, 345-356.	1.7	27
62	Theoretical study on structural and mechanistic aspects of synthesis of a 3-aminopyrazole derivative. Tetrahedron, 2010, 66, 6205-6211.	1.9	7
63	Co-crystal of (R,R)-1,2-cyclohexanediol with (R,R)-tartaric acid, a key structure in resolution of the $(\hat{A}\pm)$ -trans-diol by supercritical extraction, and the related ternary phase system. Thermochimica Acta, 2010, 497, 129-136.	2.7	28
64	lonic and neutral forms of ibuprofen within a co-crystal. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s221-s222.	0.3	O
65	Conformational behaviour and first crystal structures of a calix[4]arene featuring a laterally positioned carboxylic acid function in unsolvated and solvent-complexed forms. New Journal of Chemistry, 2010, 34, 250.	2.8	31
66	Formation of a new ring system: Tetrazolo[5,1-f][1,2]azaborinin. Journal of Organometallic Chemistry, 2010, 695, 2673-2678.	1.8	4
67	Investigation of sublimation with and without dissociation in the chloride and nitrate salts of 4-(1-hydroxy-1,2-diphenylethyl)pyridine. New Journal of Chemistry, 2010, 34, 405-413.	2.8	3
68	Optical resolution of $1\hat{a} \in (1\hat{a} \in naphthyl)$ ethylamine by its dicarboxylic acid derivatives: Structural features of the oxalic acid derivative diastereomeric salt pair. Chirality, 2009, 21, 331-338.	2.6	12
69	Influence of benzylamine on the resolution of ibuprofen with (+)â€( <i>R</i> )â€phenylethylamine via supercritical fluid extraction. Chirality, 2009, 21, 628-636.	2.6	19
70	Thermal stability and structure of a new co-crystal of theophylline formed with phthalic acid. Journal of Thermal Analysis and Calorimetry, 2009, 95, 895-901.	3.6	31
71	X-ray crystal structures and isostructurality calculation of calix[4]arenes with lower rim propyl and carboxylic acid or mixed carboxylic acid and ester substituents involving solvent complexes with methanol and ethanol. Journal of Structural Chemistry, 2009, 50, 522-531.	1.0	5
72	Comparative evolved gas analytical and structural study on trans-diammine-bis(nitrito)-palladium(II) and platinum(II) by TG/DTA–MS, TG–FTIR, and single crystal X-ray diffraction. Thermochimica Acta, 2009, 490, 51-59.	2.7	17

#	Article	IF	Citations
73	The phenyl substitution effects on the 2,4,6-triphenoxy-1,3,5-triazines. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s198-s199.	0.3	O
74	Structural effects of lateral substitution and solvation on a calixarene. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s254-s254.	0.3	0
75	Crystalline inclusion compounds of lower rim propyl substituted calix[4]arenes featuring different number and positions of the modifying groups. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2008, 62, 311-324.	1.6	8
76	Highly enantioselective organocatalytic conjugate addition of nitromethane to benzylidene acetones. Chirality, 2008, 20, 1120-1126.	2.6	12
77	Formation of new pyridyl substituted enamines. Observation of a diaza-Cope rearrangement. Tetrahedron, 2008, 64, 10375-10380.	1.9	8
78	On the Supramolecular Symmetries of the Piedfort Units Formed by 2,4,6-Triaryloxy-1,3,5-triazines. Crystal Growth and Design, 2008, 8, 2821-2823.	3.0	13
79	Copper(II) Complexes with Reduced Schiff Base: Synthesis, Spectroscopic, Thermal, X-Ray, and Cytotoxic Studies of Novel Copper(II) Complexes with an Arylpyrazole Ligand. Australian Journal of Chemistry, 2007, 60, 615.	0.9	3
80	Multiple secondary interaction arrangement in the crystal structure of cis -dichlorobis(thiourea-S)-zinc(II). Journal of Coordination Chemistry, 2007, 60, 457-464.	2.2	9
81	Vibrational spectroscopic study on the quantum chemical model and the X-ray structure of gallic acid, solvent effect on the structure and spectra. Vibrational Spectroscopy, 2007, 43, 193-202.	2.2	45
82	Optical resolution of N-formylphenylalanine succeeds by crystal growth rate differences of diastereomeric salts. Tetrahedron: Asymmetry, 2007, 18, 260-264.	1.8	14
83	Silicon Analogues of Triarylmethanol Hosts. Inclusion Properties and Host–guest Structures: A Comparative Study. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2006, 55, 131-149.	1.6	12
84	Versatile Inclusion Behaviour of a Dinitrocalix[4]arene Having Two Ester Pendants – Preparation and X-ray Crystal Structures of Complexes. Supramolecular Chemistry, 2006, 18, 537-547.	1.2	12
85	Modified Mg: Al Hydrotalcite in the Synthesis of Oxazolidin-2-ones ChemInform, 2005, 36, no.	0.0	0
86	Modified Mg: Al hydrotalcite in the synthesis of oxazolidin-2-ones. Organic and Biomolecular Chemistry, 2005, 3, 967-969.	2.8	11
87	TRANS-1,4,5,8-tetraazodecalin crystals occurring in ethylenediamine. Journal of Thermal Analysis and Calorimetry, 2004, 78, 545-555.	3.6	4
88	Comparative online coupled TG-FTIR and TG/DTA-MS analyses of the evolved gases from thiourea complexes of SnCl2. Journal of Analytical and Applied Pyrolysis, 2004, 72, 209-214.	5.5	29
89	Phase Transfer Catalyzed Asymmetric Epoxidation of Chalcones Using Chiral Crown Ethers Derived from D-Glucose, D-Galactose, and D-Mannitol ChemInform, 2004, 35, no.	0.0	1
90	Synthesis, vibrational spectra and X-ray structures of copper(I) thiourea complexes. Inorganica Chimica Acta, 2004, 357, 513-525.	2.4	134

#	Article	IF	CITATIONS
91	Phase-transfer catalyzed asymmetric epoxidation of chalcones using chiral crown ethers derived from d-glucose, d-galactose, and d-mannitol. Tetrahedron: Asymmetry, 2004, 15, 1589-1595.	1.8	58
92	Online coupled TG?FTIR and TG/DTA?MS analyses of the evolved gases from dichloro(thiourea) tin(II). Solid State Ionics, 2004, 172, 577-581.	2.7	22
93	Thermal and structural study on the lattice compound 1,4-diammoniumbutane bis(theophyllinate). Thermochimica Acta, 2004, 420, 105-109.	2.7	9
94	Versatility in stabilization of crystalline inclusion complexes of a bulky diol host by various closely related acidic and ester guests. CrystEngComm, 2004, 6, 60-69.	2.6	12
95	Title is missing!. Angewandte Chemie, 2003, 115, 2001-2004.	2.0	4
96	Supramolecular[6]Chochin and"Big Mac―Made from Chiral Piedfort Assemblies. Chemistry - A European Journal, 2003, 9, 3741-3747.	3.3	19
97	A Classical Example of a Disappearing Polymorph and the Shortest Intermolecular Hâââ Separation Ever Found in an Organic Crystal Structure. Angewandte Chemie - International Edition, 2003, 42, 1957-1960.	13.8	28
98	Extremely short intermolecular N(sp2)â√Cl contact in the bis-2,4-(biphenyl-4-yloxy)-6-chloro-[1,3,5]triazine crystal. CrystEngComm, 2003, 5, 42-44.	2.6	6
99	Structure and Charge Density of a C60-Fullerene Derivative Based on a High Resolution Synchrotron Diffraction Experiment at 100 K. Journal of Physical Chemistry A, 2002, 106, 6581-6590.	2.5	20
100	6,7-Dimethyl-3a,8a-dihydro-3H-8-oxacyclopenta[a]inden-5-yl benzoate. Acta Crystallographica Section E: Structure Reports Online, 2001, 57, o37-o38.	0.2	0
101	Halogen···halogen versus OH···O supramolecular interactions in the crystal structures of a series of halogen and methyl substituted cis-9,10-diphenyl-9,10-dihydroanthracene-9,10-diols. Crystal Engineering, 2001, 4, 343-357.	0.7	28
102	Inclusion compounds containing a drug: structure and thermal stability of the first clathrates of nitrazepam and isothiocyanato ethanol complexes of Co(II) and Ni(II). Inorganica Chimica Acta, 2001, 315, 229-235.	2.4	42
103	Thermal decomposition of thiourea complexes of Cu(I), Zn(II), and Sn(II) chlorides as precursors for the spray pyrolysis deposition of sulfide thin films. Solid State Ionics, 2001, 141-142, 439-446.	2.7	118
104	Racemic dipeptide glycyl-DL-leucine at 120â€K. Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, 1447-1449.	0.4	0
105	Comparison of theophyllinato Cu(II) complexes of ethanolamine and diethanolamine. Polyhedron, 2000, 19, 457-463.	2.2	37
106	Oddâ^'Even Effects in Supramolecular Assemblies of Diamide Bolaamphiphilesâ€. Langmuir, 2000, 16, 8575-8584.	3.5	55
107	Clathrate Engineering of Piedfort Hosts. Crystal Structures and Molecular Modeling of the <i>para-mono</i> and <i>meta</i> -di-methy1/ <i></i> buty1 Substituted Derivatives of 2,4,6-tris (alkylphenoxy)-1,3,5-triazine. Supramolecular Chemistry, 1999, 11, 151-167.	1.2	15
108	Synthesis of Vinca Alkaloids and Related Compounds XCII. Umpolung Reactions of Enamines through Enammonium Salts. Heterocycles, 1998, 48, 2507.	0.7	6

#	Article	IF	CITATION
109	Asymmetric C-C Bond Forming Reactions by Chiral Crown Catalysts; Darzens Condensation and Nitroalkane Addition to the Double Bond. Synlett, 1997, 1997, 291-292.	1.8	70
110	Structure and thermal behaviour of (SPY-5-12)-(2-aminoethanol-N) (2-aminoethanol-N,O)-bis(theophyllinato)copper(II)dihydrate: a model for DNA-metal interactions. Polyhedron, 1997, 16, 3601-3607.	2.2	29
111	Asymmetric Michael addition of 2-nitropropane to a chalcone catalyzed by chiral crown ethers incorporating a D-glucose unit. Heteroatom Chemistry, 1997, 8, 333-337.	0.7	15
112	Chiral separation machinery using new crystalline inclusion hosts: Match/mismatch in the enantiomer recognition of (R,S)-1-methoxy-2-propanol effected by a borneol/fenchol building block exchange in the host molecule. Chirality, 1997, 9, 203-210.	2.6	12
113	A database study of the bonding and conformation of bis-sulfonylamide/-imide moieties. Acta Crystallographica Section B: Structural Science, 1996, 52, 720-727.	1.8	13