

Sven A Lidin

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1944216/sven-a-lidin-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168
papers

2,849
citations

25
h-index

45
g-index

208
ext. papers

3,161
ext. citations

5.4
avg. IF

5.01
L-index

#	Paper	IF	Citations
168	A low-spin Fe(III) complex with 100-ps ligand-to-metal charge transfer photoluminescence. <i>Nature</i> , 2017 , 543, 695-699	50.4	205
167	Comparative structural study of the disordered MCd ₆ quasicrystal approximants. <i>Physical Review B</i> , 2003 , 68,	3.3	157
166	The structure of alpha-Zn ₄ Sb ₃ : ordering of the phonon-glass thermoelectric material beta-Zn ₄ Sb ₃ . <i>Journal of the American Chemical Society</i> , 2004 , 126, 16306-7	16.4	129
165	A heteroleptic ferrous complex with mesoionic bis(1,2,3-triazol-5-ylidene) ligands: taming the MLCT excited state of iron(II). <i>Chemistry - A European Journal</i> , 2015 , 21, 3628-39	4.8	106
164	Fe Hexa N-Heterocyclic Carbene Complex with a 528 ps Metal-to-Ligand Charge-Transfer Excited-State Lifetime. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 459-463	6.4	101
163	Structure and bonding properties of (Bi ₂ Se ₃) _m (Bi ₂) _n stacks by first-principles density functional theory. <i>Physical Review B</i> , 2005 , 72,	3.3	91
162	Structure of Ca Cd : A Novel Approximant to the MCd Quasicrystals (M=Ca, Yb). <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 4037-4039	16.4	87
161	A Survey of Superstructures in Intermetallic NiAs-Ni ₂ In-Type Phases. <i>Journal of Solid State Chemistry</i> , 1995 , 118, 313-322	3.3	86
160	Highly hydrated cations: deficiency, mobility, and coordination of water in crystalline nonhydrated scandium(III), yttrium(III), and lanthanoid(III) trifluoromethanesulfonates. <i>Chemistry - A European Journal</i> , 2005 , 11, 4065-77	4.8	81
159	Low-Temperature Structural Transitions in the Phonon-Glass Thermoelectric Material βZn ₄ Sb ₃ : Ordering of Zn Interstitials and Defects. <i>Chemistry of Materials</i> , 2007 , 19, 834-838	9.6	77
158	A general structure model for BiBe phases using a superspace formalism. <i>Solid State Sciences</i> , 2003 , 5, 47-57	3.4	67
157	Compounds with the Ir ₃ Ge ₇ Structure Type: Interpenetrating Frameworks with Flexible Bonding Properties. <i>Chemistry - A European Journal</i> , 1998 , 4, 1007-1015	4.8	58
156	Effect of metal doping on the low-temperature structural behavior of thermoelectric βZn ₄ Sb ₃ . <i>Journal of Solid State Chemistry</i> , 2007 , 180, 2603-2615	3.3	52
155	Reassessing the compound CeCd ₆ : the structure of Ce ₆ Cd ₃₇ . <i>Journal of Alloys and Compounds</i> , 2000 , 307, 141-148	5.7	42
154	Superstructure of EU ₄ CD ₂₅ : a quasicrystal approximant. <i>Chemistry - A European Journal</i> , 2004 , 10, 3279-3288	16.4	40
153	Lone-pair interfaces that divide inorganic materials into ionic and covalent parts. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5602-6	16.4	34
152	Tetrahedral Stars as Flexible Basis Clusters in sp-Bonded Intermetallic Frameworks and the Compound BaLi ₇ Al ₆ with the NaZn ₁₃ Structure. <i>Journal of the American Chemical Society</i> , 1998 , 120, 3867-3880	16.4	33

151	A semiconductor or a one-dimensional metal and superconductor through tellurium β -stacking. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8106-9	16.4	32
150	A Mathematical Analysis of Rod Packings. <i>Journal of Solid State Chemistry</i> , 1995 , 114, 36-41	3.3	32
149	Structural Study of the Disordered RECd ₆ Quasicrystal Approximants (RE = Tb, Ho, Er, Tm and Lu). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2006 , 61, 644-649	1	30
148	Bone graft proteins influence osteoconduction. A titanium chamber study in rats. <i>Acta Orthopaedica</i> , 1996 , 67, 377-82		29
147	A New Material with a Composite Crystal Structure Causing Ultralow Thermal Conductivity and Outstanding Thermoelectric Properties: TlAgTe. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8578-8585	16.4	26
146	Host-guest compounds in the family of tellurium-nickel oxohalogenides. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4292-5	16.4	26
145	Phase stability in the systems AeAl(2-x)Mgx (Ae = Ca, Sr, Ba): electron concentration and size controlled variations on the laves phase structural theme. <i>Inorganic Chemistry</i> , 2004 , 43, 4751-60	5.1	25
144	Superlattice formation in the lithiated vanadium oxide phases Li(0.67)V(6)O(13) and LiV(6)O(13). <i>Acta Crystallographica Section B: Structural Science</i> , 2001 , 57, 759-65		25
143	Size matters sometimes. The [Cuxly](y)(NR ₄)+(y) systems. <i>CrystEngComm</i> , 2011 , 13, 5730	3.3	24
142	Variations of the FeGa ₃ Structure Type in the Systems CoIn ₃ Znx and CoGa ₃ Znx. <i>Journal of Solid State Chemistry</i> , 2002 , 165, 100-110	3.3	24
141	The incommensurably modulated structure of $\sqrt{2}$ n ₃ Sb ₂ . <i>Journal of Alloys and Compounds</i> , 2004 , 376, 49-57	5.7	24
140	The Structure of β -Gallium and Its Relationship to Deltahedral Clusters. <i>Chemistry - A European Journal</i> , 1997 , 3, 904-911	4.8	22
139	(3 + 1)-dimensional structure refinement of the fresnoite framework-structure type compound Ba(2)TiGe(2)O(8). <i>Acta Crystallographica Section B: Structural Science</i> , 2003 , 59, 209-16		22
138	Synthesis, Structure, and Thermoelectric Properties of $\sqrt{2}$ n ₃ Sb ₂ and Comparison to $\sqrt{2}$ n ₁₃ Sb ₁₀ . <i>Chemistry of Materials</i> , 2017 , 29, 5249-5258	9.6	21
137	Three NiAsNi ₂ In Type Structures in the Mn ₅ In System. <i>Journal of Solid State Chemistry</i> , 1997 , 129, 231-243	3.3	21
136	The Hume-Rothery Compound Mn Ga Zn : Separated Zn -Clusters Interspersed in a Primitive Cubic Host Lattice. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 488-492	16.4	21
135	Linear Metal Chains in Ca ₂ M ₂ X (M = Pd, Pt; X = Al, Ge): Origin of the Pairwise Distortion and Its Role in the Structure Stability. <i>Chemistry of Materials</i> , 2015 , 27, 304-315	9.6	20
134	The B8 type structure of Cu ₇ In ₃ . <i>Journal of Alloys and Compounds</i> , 1997 , 255, 221-226	5.7	20

133	The crystal structure of CuSb ₂ O ₃ Br: Slabs from cubic Sb ₂ O ₃ interspersed between puckered hexagonal CuBr-type layers. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 3471-3475	3.3	20
132	Ca ₂ Pd ₃ Ge, a new fully ordered ternary Laves phase structure. <i>Journal of Solid State Chemistry</i> , 2013 , 197, 312-316	3.3	19
131	Luminescence properties of the Cu ₄ I ₆ Cl ₂ cluster. <i>CrystEngComm</i> , 2011 , 13, 4729	3.3	19
130	Metastable Cd ₄ Sb ₃ : a complex structured intermetallic compound with semiconductor properties. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15564-72	16.4	19
129	Origins of superstructure ordering and incommensurability in stuffed CoSn-type phases. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8195-214	16.4	19
128	Structure of delta ⁻¹ -CoZn(7.8), an example of a phason pinning-unpinning transformation?. <i>Acta Crystallographica Section B: Structural Science</i> , 2003 , 59, 720-9		19
127	The Origin of the Distorted Close-Packed Elemental Structure of Indium. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2017-2020	16.4	19
126	Structural model for octagonal quasicrystals derived from octagonal symmetry elements arising in EMn crystallization of a simple monatomic liquid. <i>Physical Review B</i> , 2009 , 79,	3.3	18
125	Theory of spin relaxation in bicontinuous cubic liquid crystals. <i>Journal of Chemical Physics</i> , 1992 , 97, 1401-1415	3.1	18
124	Bonnet transformation of infinite periodic minimal surfaces with hexagonal symmetry. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990 , 86, 769		18
123	LaSeTe ₂ -temperature dependent structure investigation and electron holography on a charge-density-wave-hosting compound. <i>Chemistry - A European Journal</i> , 2003 , 9, 5865-72	4.8	17
122	Iodo-oxyapatite, the first example from a new class of modulated apatites. <i>Acta Crystallographica Section B: Structural Science</i> , 1999 , 55, 165-169		17
121	Structural Investigation of a Fully Ordered closo-Ge ₉₂ Cluster in the Compound [K+(2,2,2-crypt)] ₂ Ge ₉₂ European Journal of Inorganic Chemistry, 2011 , 2011, 3999-4005	2.3	16
120	The Structure of Cu ₆ Sn ₅ -xSbx Large Effects of Subtle Doping. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 611-613	1.3	16
119	All the disorder mechanisms in the 13:58 phases come together. Out of the modulated confusion rises the remarkable phase Ce _{12.60} Cd _{58.68} (2). <i>Inorganic Chemistry</i> , 2008 , 47, 1079-86	5.1	16
118	The structure of onoratoite, Sb ₈ O ₁₁ X ₂ (X=Cl, Br) revisited. <i>Solid State Sciences</i> , 2006 , 8, 849-854	3.4	15
117	Long-range ordering during delithiation of LiMn ₂ O ₄ cathode material. <i>Journal of Materials Chemistry</i> , 2003 , 13, 585-589		15
116	Resolving Rotational Stacking Disorder and Electronic Level Alignment in a 2D Oligothiophene-Based Lead Iodide Perovskite. <i>Chemistry of Materials</i> , 2019 , 31, 8523-8532	9.6	14

115	Preparation and Double-Helix Icosahedra Structure of $\text{ECo}_2\text{Zn}_{15}$. <i>Journal of Solid State Chemistry</i> , 2002 , 166, 53-57	3.3	14
114	The composite structure of $\text{Cu}_{2.33}\text{V}_4\text{O}_{11}$. <i>Journal of Solid State Chemistry</i> , 2003 , 172, 319-326	3.3	14
113	Complexity of hexagonal approximants in the $\text{RE}_{13}\text{Zn}_{58}$ system (RE = Ce, Pr, Nd, Sm, Gd, Tb and Dy). <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2006 , 221,	1	13
112	To what extent does the Zintl-Klemm formalism work? The $\text{Eu}(\text{Zn}_{1-x}\text{Ge}_x)_2$ series. <i>Inorganic Chemistry</i> , 2009 , 48, 6380-90	5.1	12
111	A New Compound in the Cu-In System – The Synthesis and Structure of $\text{Cu}_{10}\text{In}_7$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 2589-2593	1.3	12
110	Structures of $\text{NiCd}_{6+\delta}$ ($0.32 \leq \delta \leq 0.35$) β brass related phase, and $\text{NiCd}_{1+\delta}$ ($0 \leq \delta \leq 0.05$) β Ti_2Ni type phase in the nickel-cadmium system. <i>CrystEngComm</i> , 2013 , 15, 745-753	3.3	11
109	The Mathematics of Curvature 1997 , 1-42		11
108	Vacancy-ordering effects in AlB_2 -type $\text{ErGe}_2 - x$ ($0 < x < 0.4$) <i>Acta Crystallographica Section B: Structural Science</i> , 2008 , 64, 272-80		11
107	Incommensurately Modulated Cadmium Apatites. <i>Journal of Solid State Chemistry</i> , 2000 , 150, 154-158	3.3	11
106	Electronically Induced Phase Transitions in Ternary Transition Metal Distannide Systems. <i>Journal of the American Chemical Society</i> , 1998 , 120, 10136-10146	16.4	11
105	Die Hume-Rothery-Phase $\text{Mn}_8\text{Ga}_{27.4}\text{Zn}_{13.6}$: voneinander separierte Zn_{13} -Cluster in einem kubisch-primitiven Wirtgitter. <i>Angewandte Chemie</i> , 1999 , 111, 580-584	3.6	11
104	The crystal structures of the closely related CrSn_2 , $\text{NiCr}_5\text{Sn}_{12}$ and NiCr_3Sn_8 phases. <i>Journal of Alloys and Compounds</i> , 1995 , 221, 136-142	5.7	11
103	Adsorption and Curvature in Highly Dealuminated Zeolites. <i>Angewandte Chemie International Edition in English</i> , 1987 , 26, 1017-1018		11
102	LiZn_{4-x} ($x = 0.825$) as a (3 + 1)-dimensional modulated derivative of hexagonal close packing. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014 , 70, 212-7	1.8	10
101	Bonding Schemes for Polar Intermetallics through Molecular Orbital Models: Ca-Supported PtPt Bonds in $\text{Ca}_{10}\text{Pt}_7\text{Si}_3$. <i>Crystals</i> , 2013 , 3, 504-516	2.3	10
100	$\text{Ca}_{10}\text{Pt}_7\text{Tt}_3$ (Tt = Si, Ge): new platinide phases featuring electron-rich 4c-6e bonded $[\text{Pt}_7\text{Tt}_3]_{20}$ -intermetalloid clusters. <i>Inorganic Chemistry</i> , 2012 , 51, 11980-5	5.1	10
99	Synthesis, crystal structure, phase relations and chemical bonding analysis of the new Nowotny chimney-ladder compound $\text{ZrBi}_{1.62}$. <i>Solid State Sciences</i> , 2006 , 8, 1173-1180	3.4	10
98	Structure of $\text{Dy}_{13}\text{Zn}_{57}$ a binary quasicrystal approximant. <i>Solid State Sciences</i> , 2002 , 4, 901-906	3.4	10

97	Structure of Ca ₁₃ Cd ₇ : A Novel Approximant to the MCD _{5.7} Quasicrystals (M=Ca, Yb). <i>Angewandte Chemie</i> , 2001 , 113, 4161-4163	3.6	10
96	The incommensurately modulated structure of NiBi. <i>Solid State Sciences</i> , 2000 , 2, 353-363	3.4	10
95	Au ₁₀ Mo ₄ Zn ₈₉ : a fully ordered complex intermetallic compound analyzed by TOPOS. <i>Inorganic Chemistry</i> , 2013 , 52, 11110-7	5.1	9
94	Pd ₂ Cd ₁₁ [(0.210.51)] partly disordered B ₂ type phase and Pd _{0.238} Cd _{0.762} -a B ₂ related incommensurate phase in the palladium-cadmium system. <i>Journal of Solid State Chemistry</i> , 2013 , 201, 244-249	3.3	9
93	Luminescence properties of monoclinic Cu ₄ (Piperidine) ₄ . <i>Materials Research Bulletin</i> , 2011 , 46, 1192-1196	3.2	9
92	Structural study by X-ray diffraction and transmission electron microscopy of the misfit compound (Sb _{1-x} Sex) _{1.16} (Nb _{1.036} S ₂) ₂ . <i>Materials Research Bulletin</i> , 2010 , 45, 982-988	5.1	9
91	Site occupancy wave and charge density wave in the modulated structure of Nd _{0.6} Gd _{0.4} Se _{1.85} . <i>Journal of Solid State Chemistry</i> , 2004 , 177, 1598-1606	3.3	9
90	Computer Modeling and Description of Nonstoichiometric Apatites Cd _{5/2} (VO ₄) ₃ and Cd _{5/2} (PO ₄) ₃ Br Modified Chimney Ladder Structures with Ladder Ladder and Chimney Ladder Coupling. <i>Journal of Solid State Chemistry</i> , 2001 , 156, 88-100	3.3	9
89	Regular Polyhedra Helices. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1996 , 622, 164-166	1.3	9
88	Description of cubic liquid-crystalline structures using simple surface foliations. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994 , 90, 3423		9
87	Ternary intermetallic compounds in Au ₃ Sn soldering systems: structure and properties. <i>Journal of Materials Science</i> , 2015 , 50, 7808-7820	4.3	8
86	Cu ₃ Sn - understanding the systematic absences. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014 , 70, 879-87	1.8	8
85	Valence state driven site preference in the quaternary compound Ca ₅ MgAgGe ₅ : an electron-deficient phase with optimized bonding. <i>Inorganic Chemistry</i> , 2014 , 53, 4724-32	5.1	8
84	Structure Determination of B ₂ -Brass-Related Composite Structures in the Ni ₃ Sn System: A Guided Tour by a (3+1)-Dimensional Space Description. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 91-98	2.3	8
83	Synthesis, structure, and bonding of Sc ₄ Mg _x Cu _{15-x} Ga approximately 7.5 (x=0, 0.5). Two incommensurately modulated scandium substitution derivatives of cubic Mg ₂ Cu ₆ Ga ₅ . <i>Inorganic Chemistry</i> , 2008 , 47, 1020-9	5.1	8
82	Lone-Pair Interfaces That Divide Inorganic Materials into Ionic and Covalent Parts. <i>Angewandte Chemie</i> , 2006 , 118, 5730-5734	3.6	8
81	Synthesis of structurally controlled nanocarbons: in particular the nanobarrel carbon. <i>Solid State Sciences</i> , 2003 , 5, 133-137	3.4	8
80	On the Compound Coordination Polyhedron in MnAl ₆ and Fe ₂ Al ₅ . <i>Journal of Solid State Chemistry</i> , 1996 , 124, 65-68	3.3	8

79	The Crystal Structure of $(\text{Mg,Na,Al})_2(\text{Al,Zn})_3$. <i>Journal of Solid State Chemistry</i> , 1995 , 115, 270-273	3.3	8
78	AuCd_4 : a Hume-Rothery Phase with VEC of 1.8 and icosahedral and trigonal-prismatic clusters as building blocks. <i>Inorganic Chemistry</i> , 2015 , 54, 713-21	5.1	7
77	The new nickel tellurite chloride compound $\text{Ni}_{15}\text{Te}_{12}\text{O}_{34}\text{Cl}_{10}$ --synthesis, crystal structure and magnetic properties. <i>Dalton Transactions</i> , 2013 , 42, 1394-9	4.3	7
76	Extreme differences in oxidation states: synthesis and structural analysis of the germanide oxometallates $\text{A}_{10}[\text{Ge}_9]_2[\text{WO}_4]$ as well as $\text{A}_{(10+x)}[\text{Ge}_9]_2[\text{W}(1-x)\text{Nb}(x)\text{O}_4]$ with $\text{A} = \text{K}$ and Rb containing $[\text{Ge}_9]^{4-}$ polyanions. <i>Inorganic Chemistry</i> , 2012 , 51, 4058-65	5.1	7
75	A Higher Dimensional Description of the Structure of EMn . <i>Symmetry</i> , 2012 , 4, 537-544	2.7	7
74	The Phase $\text{Co}(1-x)\text{Ni}(x)\text{Sn}(2)$: Structural Variations Based on the Stacking of Two Different Planar Nets. <i>Inorganic Chemistry</i> , 1997 , 36, 4307-4315	5.1	7
73	Single-crystal X-ray study of $\text{Ba}_2\text{Cu}_2\text{Te}_4\text{O}_{11}\text{Br}_2$ and its incommensurately modulated superstructure companion. <i>Chemistry - A European Journal</i> , 2008 , 14, 3434-41	4.8	7
72	Generalized Edshammar Polyhedra for the Description of a Family of Solid-State Structures. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 924-927		7
71	Enzymes and Curvature. <i>Angewandte Chemie International Edition in English</i> , 1988 , 27, 953-956		7
70	Bonding in intermetallics may be deceptive --the case of the new type structure Au_2InGa_2 . <i>Intermetallics</i> , 2014 , 46, 40-44	3.5	6
69	Synthesis of an orthogonal topological analogue of helicene. <i>Chemistry - A European Journal</i> , 2013 , 19, 14963-9	4.8	6
68	$\text{Ca}_3\text{Ag}_{1+x}\text{Ge}_3$ ($x = 1/3$): New Transition Metal Zintl Phase with Intergrowth Structure and Alloying with Aluminum Metal. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 35-40	1.3	6
67	Site preference and ordering induced by Au substitution in the Cu brass related complex Au-Cr-Zn phases. <i>Inorganic Chemistry</i> , 2013 , 52, 4812-8	5.1	6
66	Bis(β -iodo)-pentakis(β -iodo)-penta-copper(I) --A fully ordered, isolated $[\text{Cu}_{517}]_2$ cluster. <i>Solid State Sciences</i> , 2011 , 13, 768-772	3.4	6
65	Helical chains of $[\text{MO}_5\text{Cl}]$ octahedra --three compounds in the new family $\text{AEM}_2\text{Te}_3\text{O}_8\text{Cl}_2$ ($\text{AE}=\text{Ca}$, Sr and $\text{M}=\text{Co}$, Ni). <i>Solid State Sciences</i> , 2009 , 11, 13-17	3.4	6
64	Two for the price of one --Resolvable polymorphism in a single crystal -- Ba and Sb_3O_4 . <i>Solid State Sciences</i> , 2009 , 11, 24-28	3.4	6
63	Re_4Si_7 , first in a new MoSi_2 -based family of 14-electron phases. <i>Chemistry - A European Journal</i> , 2009 , 15, 8108-12	4.8	6
62	$\text{Zn}(5)\text{Sb}(4)\text{In}(2-\delta)$ - a ternary derivative of thermoelectric zinc antimonides. <i>Inorganic Chemistry</i> , 2009 , 48, 5996-6003	5.1	6

61	Optical and electronic properties of thermoelectric Zn ₄ Sb ₃ across the low-temperature phase transitions. <i>Applied Physics Letters</i> , 2007 , 90, 181920	3.4	6
60	Incommensurately modulated Γ -Au(1+x)Cd(2-x) formed by an unquenchable phase transformation from the Γ brass Γ phase. <i>Inorganic Chemistry</i> , 2013 , 52, 12980-5	5.1	5
59	Tuning Crystal Structures and Thermoelectric Properties through Al Doping in ReSi _{1.75} . <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 47-55	2.3	5
58	Structural impact of platinum on the incommensurably modulated Γ brass related composite structure Pd ₁₅ Zn ₅₄ . <i>Inorganic Chemistry</i> , 2012 , 51, 9893-901	5.1	5
57	Allotwinning in a molecular crystal: (1R,3S)-dimethyl 2-oxocyclohexane-1,3-dicarboxylate. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2013 , 69, 509-13	1.8	5
56	Synthesis and Crystal Structure of Ca ₂ Ag _{1.83} Al _{0.67} Ge _{1.50} Γ A Solid Solution with the NbCoB-type structure Γ <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 2143-2146	1.3	5
55	Bis(isopropyl-triphenyl-phosphonium) di-iodido-bis-[iodidocopper(I)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m432-3		5
54	Phase relations and structural properties of the ternary narrow gap semiconductors Zn ₅ Sb ₄ In ₂ (Γ 0.15) and Zn ₉ Sb ₆ In ₂ . <i>Journal of Solid State Chemistry</i> , 2010 , 183, 1574-1581	3.3	5
53	Cu ₅ In ₃ -Cu ₃ In ₂ Revisited. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3548-3553	2.3	5
52	Synthesis, crystal structure, and bonding analysis of the hypoelectronic cubic phase Ca ₅ Pd ₆ Ge ₆ . <i>Inorganic Chemistry</i> , 2015 , 54, 9098-104	5.1	4
51	The Mystery of the AuIn 1:1 Phase and Its Incommensurate Structural Variations. <i>Inorganic Chemistry</i> , 2018 , 57, 2791-2796	5.1	4
50	Structure and Bonding of an Intergrowth Phase Ca ₇ Ag _{2+x} Ge ₇ ($x \approx 1/3$) Featuring a Zintl-Type Polyanionic Chain. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 169-176	2.3	4
49	The phase equilibria in the AuInGa ternary system. <i>Journal of Alloys and Compounds</i> , 2014 , 588, 474-480	5.7	4
48	Synthesis, structural characterization, and ab initio study of Cu(5+) _n (2+x)Sb(2-x): a new B8-related structure type. <i>Inorganic Chemistry</i> , 2012 , 51, 10787-92	5.1	4
47	Crystalline Iron Oxohalide Nanotube Pea Pods. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 3971-3974	3.9	4
46	Occupation waves the way you have never seen them: the orthorhombic quasicrystal approximants RE(13)Zn(58+)(δ) (RE = Ho, Er, Tm, and Lu). <i>Inorganic Chemistry</i> , 2007 , 46, 6452-63	5.1	4
45	Anomalous low-temperature behavior of the Co dimers in the oxo-halide CoSb ₂ O ₃ Br ₂ . <i>Journal of Solid State Chemistry</i> , 2008 , 181, 2776-2782	3.3	4
44	Host-Guest Compounds in the Family of Tellurium-Nickel Oxohalogenides. <i>Angewandte Chemie</i> , 2004 , 116, 4392-4395	3.6	4

43	Order and twinning in Sb ₂ W _{0.75} Mo _{0.25} O ₆ . <i>Solid State Sciences</i> , 2003 , 5, 721-724	3-4	4
42	Eine Erklärung für die eigentliche Elementstruktur von Indium. <i>Angewandte Chemie</i> , 1999 , 111, 2155-2159	3-6	4
41	Adsorption und Krümmung in stark desaluminierten Zeolithen. <i>Angewandte Chemie</i> , 1987 , 99, 1056-1058	3-6	4
40	Entropy-Driven Incommensurability: Chemical Pressure-Guided Polymorphism in PdBi and the Origins of Lock-In Phenomena in Modulated Systems. <i>Inorganic Chemistry</i> , 2020 , 59, 4936-4949	5-1	3
39	Allotwinning and OD-structures in the example of malonamide. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2016 , 231, 623-629	1	3
38	Exo-bonded six-membered heterocycle in the crystal structures of RECoGe (RE = La-Nd). <i>Dalton Transactions</i> , 2016 , 45, 18522-18531	4-3	3
37	Reaction behavior and evolution of phases during the sintering of Ta-Al powder mixtures. <i>Journal of Alloys and Compounds</i> , 2016 , 654, 103-111	5-7	3
36	Imaging techniques. Mapping bond orientations with polarized x-rays. <i>Science</i> , 2014 , 344, 969-70	33-3	3
35	Structure and properties of the 5.5 K antiferromagnet EuAu ₂ Ge ₂ . <i>Zeitschrift Für Kristallographie</i> , 2011 , 226, 214-218		3
34	Modulations in the onoratoite system. <i>Solid State Sciences</i> , 2009 , 11, 1198-1205	3-4	3
33	Cd _(13-x) In _(y) Sb ₁₀ (x approximately 2.7, y approximately 1.5): an interstitial-free variant of thermoelectric beta-Zn ₄ Sb ₃ . <i>Chemistry - A European Journal</i> , 2009 , 15, 6704-10	4-8	3
32	Dual graphs realized in the compounds di-β-4-mercaptopyridine catena-di-β-iodo-di-β-iodo-β-iodo penta copper(I) and di-β-4-mercaptopyridine-di-catena-iodo-di-β-iodo tri copper(I). <i>Journal of Solid State Chemistry</i> , 2010 , 103, 2151-2161	3-3	3
31	Poly[dimethyldiphenylphosphonium [di-μ ₄ -iodido-tetra-μ ₃ -iodido-pentacopper(I)]]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010 , 66, m227-30		3
30	On the Closely Related Structures of SiF ₄ and CuAl ₂ . <i>Journal of Solid State Chemistry</i> , 1997 , 132, 151-155	3-3	3
29	Cu ₂₀ Sb ₃₅ O ₄₄ Br ₃₇ - one structure, two temperature dependencies. <i>Solid State Sciences</i> , 2008 , 10, 160-167	3-4	3
28	New strontium and rare earth-based mixed niobium misfit sulfides. <i>Solid State Sciences</i> , 2003 , 5, 495-502	3-4	3
27	β-Brass Crystallization in a Simple Monotomic Liquid. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 643, 951		3
26	Single Crystal Refinement of the Incommensurately Modulated Mn _{0.55} Ta _{0.45} O _{1.7} , an Oxygen Deficient Fluorite Type Compound. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2000 , 626, 148-159	1-3	3

25	Zeolites: Coneyers of non-euclidean geometry. <i>Journal of Solid State Chemistry</i> , 1988 , 74, 353-355	3.3	3
24	A short designed semi-aromatic organic nanotube--synthesis, chiroptical characterization, and host properties. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 8930-41	3.9	2
23	The composite structure of mixed $\text{E}(\text{Ag}, \text{Cu})\text{V}_2\text{O}_5$ bronzes Evidence for T dependant guest-species ordering and mobility. <i>Journal of Solid State Chemistry</i> , 2013 , 199, 84-89	3.3	2
22	Single-crystal growth and structure determination of misfit layer oxide $[\text{Sr}_2\text{TlO}_3][\text{CoO}_2]_{1.77}$. <i>Journal of Crystal Growth</i> , 2007 , 306, 233-239	1.6	2
21	Quasicrystals: local structure versus global structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1991 , 134, 893-895	5.3	2
20	Crystal structure of calcium silver germanium, $\text{CaAg}_{0.98}\text{Ge}_{1.02}$. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2008 , 223, 329-330	0.2	2
19	New Nonlinear Optical Crystal of Rhodamine 590 Acid Phthalate. <i>ACS Omega</i> , 2020 , 5, 20863-20873	3.9	2
18	Crystal Structure of the Disordered Non-Centrosymmetric Compound $\text{Fe}_{0.43}\text{Mo}_{2.56}\text{SbO}_{9.5}$. <i>Crystals</i> , 2019 , 9, 40	2.3	1
17	$\text{Cu}_{11}\text{In}_9$ [Revised crystal structure and its (physicochemical) relation to $\text{Cu}_{10}\text{In}_7$. <i>Journal of Alloys and Compounds</i> , 2015 , 638, 393-397	5.7	1
16	On squaring triangles [Structural motifs in $\text{Cu}_n\text{In}_m\text{Sb}$ compounds. <i>Journal of Solid State Chemistry</i> , 2015 , 231, 25-35	3.3	1
15	In Situ Synthesis and Single Crystal Synchrotron X-ray Diffraction Study of ht-SnSb : An Example of How Complex Modulated Structures Are Becoming Generally Accessible. <i>Accounts of Chemical Research</i> , 2018 , 51, 223-229	24.3	1
14	Conflict between the Electronic Factors and Structure-Directing Rules in the Intergrowth Structure of $\text{Ca}_4\text{Ag}_{2+x}\text{Ge}_4$ with $x = 1/2$. <i>Crystal Growth and Design</i> , 2016 , 16, 5946-5953	3.5	1
13	Synthesis and crystal structure of a series of incommensurately modulated composite oxohalide compounds. <i>Dalton Transactions</i> , 2014 , 43, 15812-7	4.3	1
12	Water-Soluble Molecularly Imprinted Nanoparticles (MINPs) with Tailored, Functionalized, Modifiable Binding Pockets. <i>Chemistry - A European Journal</i> , 2014 , 21, 3831	4.8	1
11	Quasicrystal Approximants 2017 , 73-92		1
10	The structure of $\text{Nb}_5\text{O}_{12}\text{F}$. <i>Solid State Sciences</i> , 2002 , 4, 767-772	3.4	1
9	Bis(tetra-phenyl-phospho-nium) tetra-iodidomanganate(II) acetone monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m338		1
8	Structurally Complex Intermetallic Thermoelectrics [Examples from Modulated Rock-Salt structures and the System Zn-Sb 2010 , 197-217		1

7	Y ₃ Ru ₂ Si Representative of a Composite Modulated Family of Intermetallics. <i>Crystals</i> , 2019 , 9, 189	2.3	1
6	Compounds with the Ir ₃ Ge ₇ Structure Type: Interpenetrating Frameworks with Flexible Bonding Properties 1998 , 4, 1007		1
5	LiZn: A Low Symmetric Polar Intermetallic Compound. <i>Inorganic Chemistry</i> , 2019 , 58, 12590-12600	5.1	0
4	Ca ₁₃ Sb ₁₀ The Devil is in the Details. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 1747-1752	1.3	0
3	Inheritance of the guanidinium chloride structure in two molybdenum (II) chloride salts. <i>Comptes Rendus Chimie</i> , 2005 , 8, 1750-1759	2.7	
2	Structure and stability of AuZn: a brass-related complex phase in the Au-Zn System. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020 , 76, 1109-1116	1.8	
1	A di-iron(III) oxido complex as catalyst precursor in the oxidation of alkanes and alkenes.. <i>Journal of Inorganic Biochemistry</i> , 2022 , 231, 111769	4.2	