

Oliver Oeckler

List of Publications by Year in descending order

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115
papers

4,135
citations

172207

29
h-index

123241

61
g-index

120
all docs

120
docs citations

120
times ranked

4320
citing authors

#	ARTICLE	IF	CITATIONS
1	Unmasking Melon by a Complementary Approach Employing Electron Diffraction, Solid-State NMR Spectroscopy, and Theoretical Calculations—Structural Characterization of a Carbon Nitride Polymer. <i>Chemistry - A European Journal</i> , 2007, 13, 4969-4980.	1.7	778
2	Color Point Tuning for (Sr,Ca,Ba)Si ₂ O ₂ N ₂ :Eu ²⁺ for White Light LEDs. <i>Chemistry of Materials</i> , 2009, 21, 316-325.	3.2	549
3	Chemical Aspects of the Candidate Antiferromagnetic Topological Insulator MnBi ₂ Te ₄ . <i>Chemistry of Materials</i> , 2019, 31, 2795-2806.	3.2	203
4	Real Structure and Thermoelectric Properties of GeTe-Rich Germanium Antimony Tellurides. <i>Chemistry of Materials</i> , 2011, 23, 4349-4356.	3.2	146
5	Real structure of SrSi ₂ O ₂ N ₂ . <i>Solid State Sciences</i> , 2007, 9, 205-212.	1.5	130
6	Structure elucidation of BaSi ₂ O ₂ N ₂ — A host lattice for rare-earth doped luminescent materials in phosphor-converted (pc)-LEDs. <i>Solid State Sciences</i> , 2009, 11, 537-543.	1.5	121
7	Ca[Si ₂ O ₂ N ₂]-A Novel Layer Silicate. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5540-5542.	7.2	118
8	High Thermoelectric Figure of Merit Values of Germanium Antimony Tellurides with Kinetically Stable Cobalt Germanide Precipitates. <i>Journal of the American Chemical Society</i> , 2015, 137, 12633-12638.	6.6	99
9	LixH ₁₂ xyz[P ₁₂ O _y N ₂₄]Clz—An Oxonitridophosphate with a Zeolitelike Framework Structure Composed of 3-Rings. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3549-3552.	7.2	70
10	New Polymorph of the Highly Efficient LED-Phosphor SrSi ₂ O ₂ N ₂ :Eu ²⁺ — Polytypism of a Layered Oxonitridosilicate. <i>Chemistry of Materials</i> , 2013, 25, 1852-1857.	3.2	62
11	Correlation of magnetoelectric coupling in multiferroic BaTiO ₃ -BiFeO ₃ superlattices with oxygen vacancies and antiphase octahedral rotations. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	61
12	The Stuffed Framework Structure of SrP ₂ N ₄ : Challenges to Synthesis and Crystal Structure Determination. <i>Chemistry - A European Journal</i> , 2007, 13, 6841-6852.	1.7	59
13	From phase-change materials to thermoelectrics?. <i>Zeitschrift für Kristallographie</i> , 2010, 225, .	1.1	58
14	La ₃ BaSi ₅ N ₉ O ₂ :Ce ³⁺ — A Yellow Phosphor with an Unprecedented Tetrahedra Network Structure Investigated by Combination of Electron Microscopy and Synchrotron X-ray Diffraction. <i>Chemistry of Materials</i> , 2015, 27, 4832-4838.	3.2	56
15	Temperature dependent resonant X-ray diffraction of single-crystalline Ge ₂ Sb ₂ Te ₅ . <i>CrystEngComm</i> , 2013, 15, 4823.	1.3	55
16	Highly Efficient pc-LED Phosphors Sr _{1-x} Ba _x Si ₂ O ₂ N ₂ :Eu ²⁺ (0 < x < 1) - Crystal Structures and Luminescence Properties Revisited. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2014, 39, 215-229.	6.8	53
17	Enhancing the Thermoelectric Properties of Germanium Antimony Tellurides by Substitution with Selenium in Compounds Ge _{1-x} Sb ₂ (Te _{1-x} Se _x) ₃ (0 ≤ x ≤ 7). <i>Chemistry of Materials</i> , 2014, 26, 2567-2578.	3.2	50
18	Unexpected Luminescence Properties of Sr _{0.25} Ba _{0.75} Si ₂ O ₂ N ₂ :Eu ²⁺ —A Narrow Blue Emitting Oxonitridosilicate with Cation Ordering. <i>Chemistry - A European Journal</i> , 2012, 18, 13446-13452.	1.7	48

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19	Dry reforming of methane with carbon dioxide over NiOâ€“MgOâ€“ZrO ₂ . Catalysis Today, 2016, 270, 68-75.	2.2	48
20	Porous Ca ₃ Co ₄ O ₉ with enhanced thermoelectric properties derived from Solâ€“Gel synthesis. Journal of the European Ceramic Society, 2017, 37, 3909-3915.	2.8	48
21	Unprecedented Zeolite-Like Framework Topology Constructed from Cages with 3-Rings in a Barium Oxonitridophosphate. Journal of the American Chemical Society, 2011, 133, 12069-12078.	6.6	43
22	Ammonothermal Synthesis of Novel Nitrides: Case Study on CaGaSiN ₃ . Chemistry - A European Journal, 2017, 23, 2583-2590.	1.7	42
23	Influence of stress and strain on the kinetic stability and phase transitions of cubic and pseudocubic Ge-Sb-Te materials. Physical Review B, 2010, 81, .	1.1	41
24	Nanostructures in Te/Sb/Ge/Ag (TAGS) Thermoelectric Materials Induced by Phase Transitions Associated with Vacancy Ordering. Inorganic Chemistry, 2014, 53, 7722-7729.	1.9	39
25	Real structure and diffuse scattering of Sr _{0.5} Ba _{0.5} Si ₂ O ₂ N ₂ :Eu ²⁺ - A highly efficient yellow phosphor for pc-LEDs. Solid State Sciences, 2011, 13, 1769-1778.	1.5	34
26	Atom distribution in SnSb ₂ Te ₄ by resonant X-ray diffraction. Solid State Sciences, 2011, 13, 1157-1161.	1.5	33
27	Layered manganese bismuth tellurides with GeBi ₄ Te ₇ - and GeBi ₆ Te ₁₀ -type structures: towards multifunctional materials. Journal of Materials Chemistry C, 2019, 7, 9939-9953.	2.7	32
28	Characterization and Decomposition of the Natural van der Waals SnSb ₂ Te ₄ under Compression. Inorganic Chemistry, 2020, 59, 9900-9918.	1.9	31
29	Layered germanium tin antimony tellurides: element distribution, nanostructures and thermoelectric properties. Dalton Transactions, 2014, 43, 10529-10540.	1.6	30
30	Discovery and Structure Determination of an Unusual Sulfide Telluride through an Effective Combination of TEM and Synchrotron Microdiffraction. Angewandte Chemie - International Edition, 2015, 54, 10020-10023.	7.2	30
31	Unusual Solid Solutions in the System Geâ€“Sbâ€“Te: The Crystal Structure of $33\text{R}(\text{Ge}_{4x}\text{Sb}_{2y}\text{Te}_7)$ ($x, y \approx 0.1$) is Isostructural to that of $\text{Ge}_3\text{Sb}_2\text{Te}_6$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2557-2561.	0.6	29
32	From metastable to stable modificationsâ€”in situ Laue diffraction investigation of diffusion processes during the phase transitions of (GeTe) _n Sb ₂ Te ₃ (6 < n < 15) crystals. Chemical Communications, 2012, 48, 2192-2194.	2.2	29
33	Structural and electrical study of the topological insulator SnBi ₂ Te ₄ at high pressure. Journal of Alloys and Compounds, 2016, 685, 962-970.	2.8	28
34	Nitridophosphateâ€“Based Ultraâ€“Narrowâ€“Band Blueâ€“Emitters: Luminescence Properties of $\text{P}_8\text{N}_{14}:\text{Eu}^{2+}$ (Ca, Sr, Ba). Chemistry - A European Journal, 2020, 26, 7292-7298.	1.7	24
35	Anomalous Raman modes in tellurides. Journal of Materials Chemistry C, 0, .	2.7	24
36	The Solid Solution Series (GeTe) _x (LiSbTe ₂) _{2-x} (1 % < x < %) Tj ETQq0 0 0 rgBT /Over Inorganic Chemistry, 2013, 52, 11288-11294.	1.9	23

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37	Determination of the distribution of elements with similar electron counts: a practical guide for resonant X-ray scattering. <i>Journal of Applied Crystallography</i> , 2013, 46, 769-778.	1.9	21
38	TAGS-related indium compounds and their thermoelectric properties in the solid solution series $(\text{GeTe})_x(\text{AgIn})_y(\text{Sb})_{1-y}\text{Te}_2$ ($x+y=1$; $x=0.12$; $y=0.5$). <i>Journal of Applied Crystallography</i> , 2013, 46, 769-778.	1.9	21
39	Novel superstructure of the rocksalt type and element distribution in germanium tin antimony tellurides. <i>Journal of Solid State Chemistry</i> , 2014, 219, 108-117.	1.4	20
40	Increasing Seebeck Coefficients and Thermoelectric Performance of Sn/Sb/Te and Ge/Sb/Te Materials by Cd Doping. <i>Advanced Electronic Materials</i> , 2015, 1, 1500266.	2.6	20
41	Phase Transitions of Thermoelectric TAGS-85. <i>Inorganic Chemistry</i> , 2017, 56, 15091-15100.	1.9	20
42	Low Thermal Conductivity in Thermoelectric Oxide-Based Multiphase Composites. <i>Journal of Electronic Materials</i> , 2019, 48, 7551-7561.	1.0	20
43	$\text{Ca}_3\text{Sm}_3[\text{Si}_9\text{N}_{17}]$ and $\text{Ca}_3\text{Yb}_3[\text{Si}_9\text{N}_{17}]$ Nitridosilicates with Interpenetrating Nets that Consist of Star-Shaped $[\text{N}_4](\text{SiN}_3)_4$ Units and $[\text{Si}_5\text{N}_{16}]$ Supertetrahedra. <i>Chemistry - A European Journal</i> , 2012, 18, 10857-10864.	1.7	19
44	Nanostructured rocksalt-type solid solution series $(\text{Ge}_{1-x}\text{Sn}_x\text{Te})_n\text{Sb}_2\text{Te}_3$ ($n=4, 7, 12$; $0 \leq x \leq 1$): Thermal behavior and thermoelectric properties. <i>Journal of Solid State Chemistry</i> , 2014, 215, 231-240.	1.4	18
45	Ambiguities in the structure determination of antimony tellurides arising from almost homometric structure models and stacking disorder. <i>Journal of Applied Crystallography</i> , 2010, 43, 1012-1020.	1.9	17
46	Disorder and Transport Properties of In_3SbTe_2 - an X-ray, Neutron and Electron Diffraction Study. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 2536-2541.	0.6	17
47	Hydrogenation of <i>p</i> -Nitrophenol to <i>p</i> -Aminophenol as a Test Reaction for the Catalytic Activity of Supported Pt Catalysts. <i>Chemical Engineering and Technology</i> , 2014, 37, 551-554.	0.9	17
48	$\text{M}_2\text{PO}_3\text{N}$ ($\text{M} = \text{Ca}, \text{Sr}$): <i>ortho</i> -Oxonitridophosphates with K_2SO_4 Structure Type. <i>Inorganic Chemistry</i> , 2016, 55, 974-982.	1.9	17
49	$(\text{GeTe})_n\text{SbInTe}_3$ ($n=3$) - Element distribution and thermal behavior. <i>Journal of Solid State Chemistry</i> , 2013, 208, 20-26.	1.4	16
50	$\text{CaMg}_2\text{P}_6\text{O}_3\text{N}_{10}$ - A Quinary Oxonitridophosphate with an Unprecedented Tetrahedra Network Structure Type. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3427-3434.	1.0	16
51	Correlation of High Magnetoelectric Coupling with Oxygen Vacancy Superstructure in Epitaxial Multiferroic $\text{BaTiO}_3\text{-BiFeO}_3$ Composite Thin Films. <i>Materials</i> , 2016, 9, 44.	1.3	16
52	Argyrodite-type $\text{Cu}_8\text{GeSe}_6\text{Te}_x$ ($0 \leq x \leq 2$): Temperature-Dependent Crystal Structure and Thermoelectric Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 1915-1922.	0.6	16
53	The solid solution series $\text{Ge}_{12}\text{M}_2\text{Te}_{15}$ ($\text{M} = \text{Sb}, \text{In}$): Nanostructures and thermoelectric properties. <i>Solid State Sciences</i> , 2013, 25, 118-123.	1.5	15
54	The influence of Mn doping on the properties of $\text{Ge}_4\text{Sb}_2\text{Te}_7$. <i>Journal of Alloys and Compounds</i> , 2015, 652, 74-82.	2.8	15

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55	Puzzling Intergrowth in Cerium Nitridophosphate Unraveled by Joint Venture of Aberration-Corrected Scanning Transmission Electron Microscopy and Synchrotron Diffraction. <i>Journal of the American Chemical Society</i> , 2017, 139, 12724-12735.	6.6	15
56	High-Pressure High-Temperature Synthesis of Mixed Nitridosilicatephosphates and Luminescence of $\text{SiP}_3\text{N}_7\text{:Eu}^{2+}$ (Sr, Ba). <i>Chemistry - A European Journal</i> , 2021, 27, 4461-4465.	1.7	15
57	Decomposition Phenomena of $\text{Zn}_{13}\text{Sb}_{10}$ under Working Conditions of Thermoelectric Generators and Minimum Current Densities for Electromigration. <i>ACS Applied Energy Materials</i> , 2020, 3, 2103-2109.	2.5	14
58	$\text{Ba}_6\text{Si}_6\text{N}_{10}\text{O}_2(\text{CN}_2)$ - A Nitridosilicate with a NPO-Zeolite Structure Type Containing Carbodiimide Ions. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2678-2683.	1.0	13
59	$\text{Ba}_6\text{P}_{12}\text{N}_{17}\text{O}_9\text{Br}_3$ - A Column-Type Phosphate Structure Solved from Single-Nanocrystal Data Obtained by Automated Electron Diffraction Tomography. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 121-125.	1.0	13
60	Heterostructures of skutterudites and germanium antimony tellurides - structure analysis and thermoelectric properties of bulk samples. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10525-10533.	2.7	13
61	Structural and Electronic Flexibility in Hydrides of Zintl Phases with Tetrel-Hydrogen and Tetrel-Tetrel Bonds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12344-12347.	7.2	13
62	Cationic Pb_2 Dumbbells Stabilized in the Highly Covalent Lead Nitridosilicate $\text{Pb}_2\text{Si}_5\text{N}_8$. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1432-1436.	7.2	12
63	$\text{Sr}_5\text{Ge}_2\text{N}_6$ - A Nitridogermanate with Edge-sharing Double Tetrahedra. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 1309-1311.	0.6	11
64	Nitridogermanate Nitrides $\text{Sr}_7[\text{GeN}_4]\text{N}_2$ and $\text{Ca}_7[\text{GeN}_4]\text{N}_2$: Synthesis Employing Sodium Melts, Crystal Structure, and Density-Functional Theory Calculations. <i>Inorganic Chemistry</i> , 2008, 47, 12018-12023.	1.9	11
65	Silver Indium Telluride Semiconductors and Their Solid Solutions with Cadmium Indium Telluride: Structure and Physical Properties. <i>Inorganic Chemistry</i> , 2015, 54, 5745-5756.	1.9	11
66	An unusual nitride network of aluminum-centered octahedra and phosphorus-centered tetrahedra and structure determination from microcrystalline samples. <i>Chemical Communications</i> , 2017, 53, 2709-2712.	2.2	11
67	Cornucopia of Structures in the Pseudobinary System $(\text{SnSe})_x\text{Bi}_2\text{Se}_3$: A Crystal-Chemical Copycat. <i>Inorganic Chemistry</i> , 2018, 57, 4427-4440.	1.9	11
68	High-Pressure Synthesis of $\text{Sc}_5\text{P}_{12}\text{N}_{23}\text{O}_3$ and $\text{Ti}_5\text{P}_{12}\text{N}_{24}\text{O}_2$ by Activation of the Binary Nitrides ScN and TiN with NH_4F . <i>Chemistry - A European Journal</i> , 2021, 27, 14184-14188.	1.7	11
69	Nitridic Analogs of Micas $\text{Si}_3\text{P}_4\text{N}_{10}(\text{NH})_2$ ($\text{Mg, Mg}_{0.94}\text{Ca}_{0.06}$, Ca, Sr). <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202114902.	7.2	11
70	A high-pressure route to thermoelectrics with low thermal conductivity: The solid solution series $\text{AgIn}_x\text{Sb}_{1-x}\text{Te}_2$ ($x=0.1-0.6$). <i>Journal of Solid State Chemistry</i> , 2013, 206, 20-26.	1.4	10
71	Doping GeSb_2Te_4 with Cr^{3+} : Structure and Temperature-Dependent Physical Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 2350-2356.	0.6	10
72	Tuning the Vacancy Concentration in Lithium Germanium Antimony Tellurides - Influence on Phase Transitions, Lithium Mobility, and Thermoelectric Properties. <i>Chemistry of Materials</i> , 2018, 30, 7970-7978.	3.2	10

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73	Ammonothermal Synthesis and Crystal Structure of the Nitridoalumogermanate $\text{Ca}_{1-x}\text{Li}_x\text{Al}_{1-x}\text{Ge}_{1+x}\text{N}_3$ ($x \approx 0.2$). <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 759-764.		10
74	Information on real-structure phenomena in metastable GeTe-rich germanium antimony tellurides $(\text{GeTe})_n\text{Sb}_2\text{Te}_3$ ($n \approx 3$) by semi-quantitative analysis of diffuse X-ray scattering. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2015, 230, .	0.4	9
75	$\text{La}_6\text{Ba}_3[\text{Si}_{17}\text{N}_{29}\text{O}_2]\text{Cl}$ An Oxonitridosilicate Chloride with Exceptional Structural Motifs. <i>Inorganic Chemistry</i> , 2015, 54, 8727-8732.	1.9	9
76	Hydrogenation Properties of LnAl_2 ($\text{Ln} = \text{La}, \text{Eu}, \text{Yb}$), LaGa_2 , LaSi_2 and the Crystal Structure of $\text{LaGa}_2\text{H}_{0.71(2)}$. <i>Crystals</i> , 2019, 9, 193.	1.0	9
77	$\text{RE}_4\text{Ba}_2[\text{Si}_{12}\text{O}_{21}\text{N}_6\text{C}_3]:\text{Eu}^{2+}$ ($\text{RE} = \text{Lu}, \text{Y}$): Green-Yellow Emitting Oxonitridocarbidosilicates with a Highly Condensed Network Structure Unraveled through Synchrotron Microdiffraction. <i>Inorganic Chemistry</i> , 2018, 57, 13840-13846.	1.9	8
78	The Effect of Scandium Ternary Intergrain Precipitates in Al-Containing High-Entropy Alloys. <i>Entropy</i> , 2018, 20, 488.	1.1	8
79	$\text{Ba}_{1.63}\text{La}_{7.39}\text{Si}_{11}\text{N}_{23}\text{Cl}_{0.42}:\text{Ce}^{3+}$ A Nitridosilicate Chloride with a Zeolite-Like Structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 603-608.	0.6	7
80	Cation disorder and vacancies in the sulfosalite-like phase $\text{Sn}_4.11\text{Bi}_{22.60}\text{Se}_{38}$ - A resonant X-ray diffraction study. <i>Journal of Alloys and Compounds</i> , 2017, 701, 581-586.	2.8	7
81	Single crystal structure elucidation and thermoelectric properties of a long-periodically ordered germanium arsenic telluride. <i>Journal of Alloys and Compounds</i> , 2017, 694, 1160-1164.	2.8	7
82	Structure Elucidation of a Melam-Melem Adduct by a Combined Approach of Synchrotron X-ray Diffraction and DFT Calculations. <i>Chemistry - A European Journal</i> , 2019, 25, 8415-8424.	1.7	7
83	Ammonothermal Synthesis of the Mixed-Valence Nitrogen-Rich Europium Tantalum Ruddlesden-Popper Phase $\text{Eu}_{II}\text{Eu}_{III}\text{Ta}_2\text{N}_4\text{O}_3$. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2304-2311.	1.0	7
84	Effect of phosphonium ionic liquid/Pd ratio on the catalytic activity of palladium nanoparticles in Suzuki cross-coupling reaction. <i>Journal of Organometallic Chemistry</i> , 2020, 923, 121454.	0.8	7
85	$\text{BaP}_6\text{N}_{10}\text{NH}:\text{Eu}^{2+}$ as a Case Study - An Imidonitridophosphate Showing Luminescence. <i>Chemistry - A European Journal</i> , 2020, 26, 5010-5016.	1.7	7
86	Discovery of Two Polymorphs of TiP_4N_8 Synthesized from Binary Nitrides. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	7
87	Solid Solution Series between CdIn_2Te_4 and AgInTe_2 Investigated by Resonant X-ray Scattering. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 3135-3142.	0.6	6
88	Crystal Structure Determination of $\text{Ag}_3\text{Pb}_4\text{Bi}_{11}\text{Se}_{22}$ by Microfocussed Synchrotron Radiation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 192-196.	0.6	6
89	The Influence of Nanoscale Heterostructures on the Thermoelectric Properties of Bi-substituted Ti_5Te_3 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 447-454.	0.6	6
90	Highly Symmetric AB_2 Framework Related to Tridymite in the Disordered Nitridosilicate $\text{La}_{24}\text{Sr}_{14}\text{Si}_{36}\text{N}_{72}$ ($\text{O}_{1\alpha}$) ($x = 0.489$). <i>Inorganic Chemistry</i> , 2017, 56, 13070-13077.		

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91	Cu _{9.1} Te ₄ Cl ₃ : A Thermoelectric Compound with Low Thermal and High Electrical Conductivity. <i>Inorganic Chemistry</i> , 2019, 58, 6222-6230.	1.9	6
92	Temperature-dependent ordering phenomena in single crystals of germanium antimony tellurides. <i>Journal of Solid State Chemistry</i> , 2015, 227, 223-231.	1.4	5
93	From Minor Side Phases to Bulk Samples of Lanthanum Oxonitridosilicates: An Investigation with Microfocused Synchrotron Radiation. <i>Inorganic Chemistry</i> , 2016, 55, 3624-3629.	1.9	5
94	Structure and thermoelectric properties of the silver lead bismuth selenides Ag ₅ Pb ₉ Bi ₁₉ Se ₄₀ and AgPb ₃ Bi ₇ Se ₁₄ . <i>Dalton Transactions</i> , 2018, 47, 12431-12438.	1.6	5
95	The Long-Periodic Loop-Branched Chain Structure of the Oxonitridophosphate La ₂₁ P ₄₀ O ₄₆ N ₅₇ , Elucidated by a Combination of TEM and Microfocused Synchrotron Radiation. <i>Chemistry - A European Journal</i> , 2019, 25, 14382-14387.	1.7	5
96	Ceramic composites based on Ca Co O and La NiO with enhanced thermoelectric properties. <i>Open Ceramics</i> , 2021, 6, 100103.	1.0	5
97	Copper Selenidophosphates Cu ₄ P ₂ Se ₆ , Cu ₄ P ₃ Se ₄ , Cu ₄ P ₄ Se ₃ , and Cu ₂ P ₂ Se, Featuring Zero-, One-, and Two-Dimensional Anions. <i>Inorganic Chemistry</i> , 2016, 55, 8031-8040.	1.9	4
98	The Crystal Structures of Pb ₅ Sb ₄ S ₁₁ (Boulangierite) – A Phase Transition Explains Seemingly Contradictory Structure Models. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1531-1542.	0.6	4
99	A cubic room temperature polymorph of thermoelectric TAGS-85. <i>RSC Advances</i> , 2018, 8, 42322-42328.	1.7	4
100	Cobalt germanide precipitates indirectly improve the properties of thermoelectric germanium antimony tellurides. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11419-11430.	2.7	4
101	Targeting Vacancies in Nitridosilicates: Aliovalent Substitution of M ²⁺ (M=Ca, Sr) by Sc ³⁺ and U ³⁺ . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 840-843.	7.2	4
102	Nitridic Analogs of Micas AESi ₃ P ₄ N ₁₀ (NH) ₂ (AE = Mg, Mg _{0.94} Ca _{0.06} , Ca, Sr). <i>Angewandte Chemie</i> , 2022, 134, e202114902.	1.6	4
103	Structures and transport properties of metastable solid solutions (NaSbTe ₂) ₁ -(GeTe). <i>Journal of Alloys and Compounds</i> , 2019, 806, 774-779.	2.8	3
104	Y ₂₃ Sr ₁₇ [Si ₃₈ O ₁₈ N ₆₇] ₉ – An Oxonitridosilicate Oxide with a Unique Layered Structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 182-187.	0.6	3
105	Structure Elucidation of Complex Endotaxially Intergrown Lanthanum Barium Oxonitridosilicate Oxides by Combination of Microfocused Synchrotron Radiation and Transmission Electron Microscopy. <i>Chemistry - A European Journal</i> , 2021, 27, 12835-12844.	1.7	3
106	Two Synthetic Approaches to Ag _{3.4} In _{3.7} Sb _{76.4} Te _{16.5} Bulk Samples and their Transport Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 2868-2874.	0.6	2
107	Cationic Pb ₂ Dumbbells Stabilized in the Highly Covalent Lead Nitridosilicate Pb ₂ Si ₅ N ₈ . <i>Angewandte Chemie</i> , 2018, 131, 1446.	1.6	2
108	Discovery of Two Polymorphs of TiP ₄ N ₈ Synthesized from Binary Nitrides. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2

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109	The Sodium Antimony Telluridogermanate(III) Na ₉ Sb[Ge ₂ Te ₆] ₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 1037-1042.	0.6	1
110	A Layered Tin Bismuth Selenide with Three Different Building Blocks that Account for an Extremely Large Lattice Parameter of 283Å. Chemistry - A European Journal, 2020, 26, 10676-10681.	1.7	1
111	Lithium atom mobility in lithium germanium antimony tellurides elucidated by neutron diffraction and quasielastic neutron scattering. Journal of Alloys and Compounds, 2020, 827, 154346.	2.8	1
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