

# Oliver Oeckler

## List of Publications by Citations

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3,784  
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L-index

#	Paper	IF	Citations
113	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> , <b>2007</b> , 13, 4969-80	4.8	638
112	Color Point Tuning for (Sr,Ca,Ba)Si <sub>2</sub> O <sub>2</sub> N <sub>2</sub> :Eu <sup>2+</sup> for White Light LEDs. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 316-325	9.6	514
111	Real Structure and Thermoelectric Properties of GeTe-Rich Germanium Antimony Tellurides. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 4349-4356	9.6	130
110	Real structure of SrSi <sub>2</sub> O <sub>2</sub> N <sub>2</sub> . <i>Solid State Sciences</i> , <b>2007</b> , 9, 205-212	3.4	121
109	Chemical Aspects of the Candidate Antiferromagnetic Topological Insulator MnBi <sub>2</sub> Te <sub>4</sub> . <i>Chemistry of Materials</i> , <b>2019</b> , 31, 2795-2806	9.6	114
108	Structure elucidation of BaSi <sub>2</sub> O <sub>2</sub> N <sub>2</sub> [A host lattice for rare-earth doped luminescent materials in phosphor-converted (pc)-LEDs. <i>Solid State Sciences</i> , <b>2009</b> , 11, 537-543	3.4	111
107	Ca[Si <sub>2</sub> O <sub>2</sub> N <sub>2</sub> ]-a novel layer silicate. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 5540-2	16.4	111
106	High Thermoelectric Figure of Merit Values of Germanium Antimony Tellurides with Kinetically Stable Cobalt Germanide Precipitates. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 12633-8	16.4	90
105	LixH <sub>12-x-y+z</sub> [P <sub>12</sub> O <sub>y</sub> N <sub>24-y</sub> ]Cl <sub>z</sub> -an oxonitridophosphate with a zeolitelike framework structure composed of 3-rings. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 3549-52	16.4	61
104	New Polymorph of the Highly Efficient LED-Phosphor SrSi <sub>2</sub> O <sub>2</sub> N <sub>2</sub> :Eu <sup>2+</sup> [Polytypism of a Layered Oxonitridosilicate. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 1852-1857	9.6	57
103	Ca[Si <sub>2</sub> O <sub>2</sub> N <sub>2</sub> ] [ein neuartiges Schichtsilicat. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 5656-5659	3.6	57
102	From phase-change materials to thermoelectrics?. <i>Zeitschrift für Kristallographie</i> , <b>2010</b> , 225,		54
101	The stuffed framework structure of SrP <sub>2</sub> N <sub>4</sub> : challenges to synthesis and crystal structure determination. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 6841-52	4.8	51
100	Highly Efficient pc-LED Phosphors Sr <sub>1-x</sub> Ba <sub>x</sub> Si <sub>2</sub> O <sub>2</sub> N <sub>2</sub> :Eu <sup>2+</sup> (0 < x < 1) - Crystal Structures and Luminescence Properties Revisited. <i>Critical Reviews in Solid State and Materials Sciences</i> , <b>2014</b> , 39, 215-229	18.1	50
99	Correlation of magnetoelectric coupling in multiferroic BaTiO <sub>3</sub> -BiFeO <sub>3</sub> superlattices with oxygen vacancies and antiphase octahedral rotations. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 012905	3.4	49
98	La <sub>3</sub> BaSi <sub>5</sub> N <sub>9</sub> O <sub>2</sub> :Ce <sup>3+</sup> [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> , <b>2015</b> , 27, 4832-4838	9.6	48
97	Temperature dependent resonant X-ray diffraction of single-crystalline Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> . <i>CrystEngComm</i> , <b>2013</b> , 15, 4823	3.3	47

96	Enhancing the Thermoelectric Properties of Germanium Antimony Tellurides by Substitution with Selenium in Compounds $\text{GeSb}_2(\text{Te}_{1-x}\text{Se}_x)_{n+3}$ ( $0 \leq x \leq 0.5$ ; $n = 7$ ). <i>Chemistry of Materials</i> , <b>2014</b> , 26, 2567-2578	9.6	45
95	Unexpected luminescence properties of $\text{Sr}_{0.25}\text{Ba}_{0.75}\text{Si}_2\text{O}_2\text{N}_2:\text{Eu}^{2+}$ --a narrow blue emitting oxonitridosilicate with cation ordering. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 13446-52	4.8	41
94	Unprecedented zeolite-like framework topology constructed from cages with 3-rings in a barium oxonitridophosphate. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 12069-78	16.4	40
93	Porous $\text{Ca}_3\text{Co}_4\text{O}_9$ with enhanced thermoelectric properties derived from Sol-Gel synthesis. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 3909-3915	6	38
92	Influence of stress and strain on the kinetic stability and phase transitions of cubic and pseudocubic Ge-Sb-Te materials. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	37
91	Dry reforming of methane with carbon dioxide over $\text{NiO/MgO/ZrO}_2$ . <i>Catalysis Today</i> , <b>2016</b> , 270, 68-75	5.3	36
90	Ammonothermal Synthesis of Novel Nitrides: Case Study on $\text{CaGaSiN}$ . <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 2583-2590	4.8	35
89	Nanostructures in Te/Sb/Ge/Ag (TAGS) thermoelectric materials induced by phase transitions associated with vacancy ordering. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 7722-9	5.1	34
88	Real structure and diffuse scattering of $\text{Sr}_{0.5}\text{Ba}_{0.5}\text{Si}_2\text{O}_2\text{N}_2:\text{Eu}^{2+}$ - A highly efficient yellow phosphor for pc-LEDs. <i>Solid State Sciences</i> , <b>2011</b> , 13, 1769-1778	3.4	33
87	Atom distribution in $\text{SnSb}_2\text{Te}_4$ by resonant X-ray diffraction. <i>Solid State Sciences</i> , <b>2011</b> , 13, 1157-1161	3.4	29
86	Unusual Solid Solutions in the System Ge-Sb-Te: The Crystal Structure of $\text{33R-Ge}_4\text{Sb}_2\text{Te}_7$ ( $x, y \approx 0.1$ ) is Isostructural to that of $\text{Ge}_3\text{Sb}_2\text{Te}_6$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2008</b> , 634, 2557-2561	1.3	28
85	Layered germanium tin antimony tellurides: element distribution, nanostructures and thermoelectric properties. <i>Dalton Transactions</i> , <b>2014</b> , 43, 10529-40	4.3	27
84	Discovery and Structure Determination of an Unusual Sulfide Telluride through an Effective Combination of TEM and Synchrotron Microdiffraction. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 10020-3	16.4	27
83	From metastable to stable modifications-in situ Laue diffraction investigation of diffusion processes during the phase transitions of $(\text{GeTe})_n\text{Sb}_2\text{Te}_3$ ( $6 \leq n \leq 11$ ). <i>Chemical Communications</i> , <b>2012</b> , 48, 2192-4	5.8	26
82	Layered manganese bismuth tellurides with $\text{GeBi}_4\text{Te}_7$ - and $\text{GeBi}_6\text{Te}_{10}$ -type structures: towards multifunctional materials. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 9939-9953	7.1	25
81	The solid solution series $(\text{GeTe})_x(\text{LiSbTe}_2)_2$ ( $1 \leq x \leq 1$ ) and the thermoelectric properties of $(\text{GeTe})_{11}(\text{LiSbTe}_2)_2$ . <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 11288-94	5.1	20
80	Structural and electrical study of the topological insulator $\text{SnBi}_2\text{Te}_4$ at high pressure. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 685, 962-970	5.7	19
79	Novel superstructure of the rocksalt type and element distribution in germanium tin antimony tellurides. <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 219, 108-117	3.3	18

78	Determination of the distribution of elements with similar electron counts: a practical guide for resonant X-ray scattering. <i>Journal of Applied Crystallography</i> , <b>2013</b> , 46, 769-778	3.8	18
77	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> , <b>2014</b> , 215, 231-240	3.3	17
76	TAGS-related indium compounds and their thermoelectric properties in the solid solution series $(\text{GeTe})_x\text{AgIn}_y\text{Sb}_{1-x-y}\text{Te}_2$ ( $x = 1/2; y = 0.5$ and $1$ ). <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 6384-6395	13	17
75	Phase Transitions of Thermoelectric TAGS-85. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 15091-15100	5.1	17
74	Disorder and Transport Properties of $\text{In}_3\text{SbTe}_2$ in X-ray, Neutron and Electron Diffraction Study. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2013</b> , 639, 2536-2541	1.3	16
73	$(\text{GeTe})_n\text{SbInTe}_3$ ( $n \leq 8$ ) Element distribution and thermal behavior. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 208, 20-26	3.3	15
72	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> , <b>2017</b> , 139, 12724-12735	16.4	15
71	Increasing Seebeck Coefficients and Thermoelectric Performance of Sn/Sb/Te and Ge/Sb/Te Materials by Cd Doping. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1500266	6.4	15
70	$\text{Ca}_3\text{Sm}_3[\text{Si}_9\text{N}_{17}]$ and $\text{Ca}_3\text{Yb}_3[\text{Si}_9\text{N}_{17}]$ nitridosilicates with interpenetrating nets that consist of star-shaped $[\text{N}_4(\text{Si}_3\text{N}_3)_4]$ units and $[\text{Si}_5\text{N}_{16}]$ supertetrahedra. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 10857-64	4.8	15
69	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> , <b>2013</b> , 25, 118-123	3.4	14
68	Ambiguities in the structure determination of antimony tellurides arising from almost homometric structure models and stacking disorder. <i>Journal of Applied Crystallography</i> , <b>2010</b> , 43, 1012-1020	3.8	14
67	Correlation of High Magnetoelectric Coupling with Oxygen Vacancy Superstructure in Epitaxial Multiferroic $\text{BaTiO}_3/\text{BiFeO}_3$ Composite Thin Films. <i>Materials</i> , <b>2016</b> , 9,	3.5	14
66	Low Thermal Conductivity in Thermoelectric Oxide-Based Multiphase Composites. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 7551-7561	1.9	13
65	Heterostructures of skutterudites and germanium antimony tellurides: Structure analysis and thermoelectric properties of bulk samples. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 10525-10533	7.1	13
64	$\text{M}_2\text{PO}_3\text{N}$ ( $\text{M} = \text{Ca}, \text{Sr}$ ): ortho-Oxonitridophosphates with $\text{K}_2\text{SO}_4$ Structure Type. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 974-82	5.1	13
63	Nitridophosphate-Based Ultra-Narrow-Band Blue-Emitters: Luminescence Properties of $\text{AEP N}:\text{Eu}$ ( $\text{AE}=\text{Ca}, \text{Sr}, \text{Ba}$ ). <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 7292-7298	4.8	12
62	Hydrogenation of p-Nitrophenol to p-Aminophenol as a Test Reaction for the Catalytic Activity of Supported Pt Catalysts. <i>Chemical Engineering and Technology</i> , <b>2014</b> , 37, 551-554	2	12
61	Structural and Electronic Flexibility in Hydrides of Zintl Phases with Tetrel-Hydrogen and Tetrel-Tetrel Bonds. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12344-12347	16.4	12

60	Characterization and Decomposition of the Natural van der Waals SnSbTe under Compression. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 9900-9918	5.1	11
59	Ba <sub>6</sub> Si <sub>6</sub> N <sub>10</sub> O <sub>2</sub> (CN) <sub>2</sub> Ⓐ Nitridosilicate with a NPO-Zeolite Structure Type Containing Carbodiimide Ions. <i>European Journal of Inorganic Chemistry</i> , <b>2009</b> , 2009, 2678-2683	2.3	11
58	The influence of Mn doping on the properties of Ge <sub>4</sub> Sb <sub>2</sub> Te <sub>7</sub> . <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 652, 74-82	5.7	10
57	Ba <sub>6</sub> P <sub>12</sub> N <sub>17</sub> O <sub>9</sub> Br <sub>3</sub> Ⓐ Column-Type Phosphate Structure Solved from Single-Nanocrystal Data Obtained by Automated Electron Diffraction Tomography. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 121-125	2.3	10
56	Entdeckung und Strukturbestimmung eines ungewöhnlichen Sulfidtellurids mithilfe einer effektiven Kombination von TEM und Synchrotron-Mikrodiffraction. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 10158-10161	3.6	10
55	CaMg <sub>2</sub> P <sub>6</sub> O <sub>3</sub> N <sub>10</sub> Ⓐ Quinary Oxonitridophosphate with an Unprecedented Tetrahedra Network Structure Type. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 3427-3434	2.3	10
54	Nitridogermanate nitrides Sr <sub>7</sub> [GeN <sub>4</sub> ] <sub>2</sub> and Ca <sub>7</sub> [GeN <sub>4</sub> ] <sub>2</sub> : synthesis employing sodium melts, crystal structure, and density-functional theory calculations. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 12018-23	5.1	10
53	Silver Indium Telluride Semiconductors and Their Solid Solutions with Cadmium Indium Telluride: Structure and Physical Properties. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 5745-56	5.1	9
52	Sr <sub>5</sub> Ge <sub>2</sub> N <sub>6</sub> Ⓐ Nitridogermanate with Edge-sharing Double Tetrahedra. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2008</b> , 634, 1309-1311	1.3	9
51	Cationic Pb Dumbbells Stabilized in the Highly Covalent Lead Nitridosilicate Pb Si N. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1432-1436	16.4	9
50	A high-pressure route to thermoelectrics with low thermal conductivity: The solid solution series AgIn <sub>x</sub> Sb <sub>1-x</sub> Te <sub>2</sub> (x=0.1-0.6). <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 206, 20-26	3.3	8
49	Argyrodite-Type Cu <sub>8</sub> GeSe <sub>6-x</sub> Tex (0 ≤ x ≤ 2): Temperature-Dependent Crystal Structure and Thermoelectric Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2018</b> , 644, 1915-1922	1.3	8
48	Tuning the Vacancy Concentration in Lithium Germanium Antimony Tellurides Influence on Phase Transitions, Lithium Mobility, and Thermoelectric Properties. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 7970-7978	9.6	8
47	Ammonothermal Synthesis and Crystal Structure of the Nitridoalumogermanate Ca <sub>1-x</sub> Li <sub>x</sub> Al <sub>1-x</sub> Ge <sub>1+x</sub> N <sub>3</sub> (x ≤ 0.2). <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 759-764	2.3	8
46	Information on real-structure phenomena in metastable GeTe-rich germanium antimony tellurides (GeTe) <sub>n</sub> Sb <sub>2</sub> Te <sub>3</sub> (n ≤ 3) by semi-quantitative analysis of diffuse X-ray scattering. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2015</b> , 230,	1	7
45	The Influence of Nanoscale Heterostructures on the Thermoelectric Properties of Bi-substituted Tl <sub>5</sub> Te <sub>3</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2017</b> , 643, 447-454	1.3	6
44	Cation disorder and vacancies in the sulfosalt-like phase Sn <sub>4.11</sub> Bi <sub>22.60</sub> Se <sub>38</sub> - A resonant X-ray diffraction study. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 701, 581-586	5.7	6
43	Hydrogenation Properties of LnAl <sub>2</sub> (Ln = La, Eu, Yb), LaGa <sub>2</sub> , LaSi <sub>2</sub> and the Crystal Structure of LaGa <sub>2</sub> H <sub>0.71</sub> (2). <i>Crystals</i> , <b>2019</b> , 9, 193	2.3	6

42	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> , <b>2019</b> , 25, 8415-8424	4.8	6
41	La <sub>6</sub> Ba <sub>3</sub> [Si <sub>17</sub> N <sub>29</sub> O <sub>2</sub> ]Cl <sub>3</sub> An Oxonitridosilicate Chloride with Exceptional Structural Motifs. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 8727-32	5.1	6
40	BaP N NH:Eu as a Case Study-An Imidonitridophosphate Showing Luminescence. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 5010-5016	4.8	6
39	Cornucopia of Structures in the Pseudobinary System (SnSe) BiSe: A Crystal-Chemical Copycat. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 4427-4440	5.1	6
38	Doping GeSb <sub>2</sub> Te <sub>4</sub> with Cr <sup>3+</sup> : Structure and Temperature-Dependent Physical Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2015</b> , 641, 2350-2356	1.3	6
37	Decomposition Phenomena of Zn <sub>13</sub> Bb <sub>10</sub> under Working Conditions of Thermoelectric Generators and Minimum Current Densities for Electromigration. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 2103-2109	6.1	6
36	REBa[SiONC]:Eu (RE = Lu, Y): Green-Yellow Emitting Oxonitridocarbidosilicates with a Highly Condensed Network Structure Unraveled through Synchrotron Microdiffraction. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 13840-13846	5.1	6
35	An unusual nitride network of aluminum-centered octahedra and phosphorus-centered tetrahedra and structure determination from microcrystalline samples. <i>Chemical Communications</i> , <b>2017</b> , 53, 2709-2712	5.8	5
34	Highly Symmetric AB Framework Related to Tridymite in the Disordered Nitridosilicate LaSr[SiN](OF) (x = 0.489). <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 13070-13077	5.1	5
33	Ammonothermal Synthesis of the Mixed-Valence Nitrogen-Rich Europium Tantalum Ruddlesden-Popper Phase Eu <sub>11</sub> Eu <sub>11</sub> 2Ta <sub>2</sub> N <sub>4</sub> O <sub>3</sub> . <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 2304-2311	2.3	5
32	Temperature-dependent ordering phenomena in single crystals of germanium antimony tellurides. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 227, 223-231	3.3	5
31	Crystal Structure Determination of Ag <sub>3</sub> Pb <sub>4</sub> Bi <sub>11</sub> Se <sub>22</sub> by Microfocussed Synchrotron Radiation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2015</b> , 641, 192-196	1.3	5
30	Anomalous Raman modes in tellurides. <i>Journal of Materials Chemistry C</i> ,	7.1	5
29	CuTeCl: A Thermoelectric Compound with Low Thermal and High Electrical Conductivity. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 6222-6230	5.1	4
28	Structure and thermoelectric properties of the silver lead bismuth selenides AgPbBiSe and AgPbBiSe. <i>Dalton Transactions</i> , <b>2018</b> , 47, 12431-12438	4.3	4
27	Solid Solution Series between CdIn <sub>2</sub> Te <sub>4</sub> and AgInTe <sub>2</sub> Investigated by Resonant X-ray Scattering. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2014</b> , 640, 3135-3142	1.3	4
26	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> , <b>2020</b> , 923, 121454	2.3	4
25	High-Pressure High-Temperature Synthesis of Mixed Nitridosilicatephosphates and Luminescence of AESiP N :Eu (AE=Sr, Ba). <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 4461-4465	4.8	4

24	High-Pressure Synthesis of Sc P N O and Ti P N O by Activation of the Binary Nitrides ScN and TiN with NH F. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 14184-14188	4.8	4
23	The Crystal Structures of Pb <sub>5</sub> Sb <sub>4</sub> Si <sub>11</sub> (Boulangerite) $\square$ Phase Transition Explains Seemingly Contradictory Structure Models. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2017</b> , 643, 1531-1542	1.3	3
22	Cobalt germanide precipitates indirectly improve the properties of thermoelectric germanium antimony tellurides. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 11419-11430	7.1	3
21	Copper Selenidophosphates Cu <sub>4</sub> P <sub>2</sub> Se <sub>6</sub> , Cu <sub>4</sub> P <sub>3</sub> Se <sub>4</sub> , Cu <sub>4</sub> P <sub>4</sub> Se <sub>3</sub> , and CuP <sub>2</sub> Se, Featuring Zero-, One-, and Two-Dimensional Anions. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 8031-40	5.1	3
20	The Effect of Scandium Ternary Intergrain Precipitates in Al-Containing High-Entropy Alloys. <i>Entropy</i> , <b>2018</b> , 20,	2.8	3
19	Structures and transport properties of metastable solid solutions (NaSbTe <sub>2</sub> ) <sub>1</sub> -(GeTe). <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 806, 774-779	5.7	3
18	The Long-Periodic Loop-Branched Chain Structure of the Oxonitridophosphate La P O N , Elucidated by a Combination of TEM and Microfocused Synchrotron Radiation. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 14382-14387	4.8	3
17	Single crystal structure elucidation and thermoelectric properties of a long-periodically ordered germanium arsenic telluride. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 694, 1160-1164	5.7	3
16	Ceramic composites based on Ca Co O and La NiO with enhanced thermoelectric properties. <i>Open Ceramics</i> , <b>2021</b> , 6, 100103	3.3	3
15	Ba <sub>1.63</sub> La <sub>7.39</sub> Si <sub>11</sub> N <sub>23</sub> Cl <sub>0.42</sub> :Ce <sup>3+</sup> $\square$ Nitridosilicate Chloride with a Zeolite-Like Structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2016</b> , 642, 603-608	1.3	3
14	Targeting Vacancies in Nitridosilicates: Aliovalent Substitution of M (M=Ca, Sr) by Sc and U. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 840-843	16.4	3
13	A cubic room temperature polymorph of thermoelectric TAGS-85.. <i>RSC Advances</i> , <b>2018</b> , 8, 42322-42328	3.7	3
12	Two Synthetic Approaches to Ag <sub>3.4</sub> In <sub>3.7</sub> Sb <sub>76.4</sub> Te <sub>16.5</sub> Bulk $\square$ Samples and their Transport Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2013</b> , 639, 2868-2874	1.3	2
11	Y <sub>23</sub> Sr <sub>17</sub> [Si <sub>38</sub> O <sub>18</sub> N <sub>67</sub> ]O <sub>9</sub> $\square$ An Oxonitridosilicate Oxide with a Unique Layered Structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2019</b> , 645, 182-187	1.3	2
10	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> , <b>2021</b> , 27, 12835-12844	4.8	2
9	A Layered Tin Bismuth Selenide with Three Different Building Blocks that Account for an Extremely Large Lattice Parameter of 283 $\square$ <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 10676-10681	4.8	1
8	The Sodium Antimony Telluridogermanate(III) Na <sub>9</sub> Sb[Ge <sub>2</sub> Te <sub>6</sub> ] <sub>2</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2019</b> , 645, 1037-1042	1.3	1
7	From Minor Side Phases to Bulk Samples of Lanthanum Oxonitridosilicates: An Investigation with Microfocused Synchrotron Radiation. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 3624-9	5.1	1

6	Nitridic Analogs of Micas AESi P N (NH) (AE=Mg, Mg Ca , Ca, Sr). <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 61, e202114902	16.4	o
5	Cationic Pb <sub>2</sub> Dumbbells Stabilized in the Highly Covalent Lead Nitridosilicate Pb <sub>2</sub> Si <sub>5</sub> N <sub>8</sub> . <i>Angewandte Chemie</i> , <b>2018</b> , 131, 1446	3.6	o
4	Hall-effect Measurements and Transport Properties of Heterostructures in the Model System NiTe <sub>2</sub> -Sn <sub>12</sub> Sb <sub>2</sub> Te <sub>15</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2020</b> , 646, 1345-1351	1.3	
3	Lithium atom mobility in lithium germanium antimony tellurides elucidated by neutron diffraction and quasielastic neutron scattering. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 827, 154346	5.7	
2	Nitridic Analogs of Micas AESi <sub>3</sub> P <sub>4</sub> N <sub>10</sub> (NH) <sub>2</sub> (AE=Mg, Mg <sub>0.94</sub> Ca <sub>0.06</sub> , Ca, Sr). <i>Angewandte Chemie</i> , <b>2022</b> , 134, e202114902	3.6	
1	Improved thermoelectric properties in ceramic composites based on Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> and Na <sub>2</sub> Ca <sub>2</sub> Nb <sub>4</sub> O <sub>13</sub> . <i>Open Ceramics</i> , <b>2021</b> , 8, 100198	3.3	