

Oliver Oeckler

List of Publications by Year in Descending Order

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

113
papers

3,417
citations

28
h-index

56
g-index

120
ext. papers

3,784
ext. citations

5.4
avg, IF

5.17
L-index

#	Paper	IF	Citations
113	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	3.6	0
112	Nitridic Analogs of Micas AESi ₃ P ₄ N (NH) (AE=Mg, Mg Ca, Ca, Sr). <i>Angewandte Chemie - International Edition</i> , 2021 , 61, e202114902	16.4	0
111	Improved thermoelectric properties in ceramic composites based on Ca ₃ Co ₄ O ₉ and Na ₂ Ca ₂ Nb ₄ O ₁₃ . <i>Open Ceramics</i> , 2021 , 8, 100198	3.3	0
110	Ceramic composites based on Ca Co O and La NiO with enhanced thermoelectric properties. <i>Open Ceramics</i> , 2021 , 6, 100103	3.3	3
109	High-Pressure High-Temperature Synthesis of Mixed Nitridosilicatephosphates and Luminescence of AESi ₃ P ₄ N :Eu (AE=Sr, Ba). <i>Chemistry - A European Journal</i> , 2021 , 27, 4461-4465	4.8	4
108	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	4.8	2
107	High-Pressure Synthesis of Sc P N O and Ti P N O by Activation of the Binary Nitrides ScN and TiN with NH ₃ . <i>Chemistry - A European Journal</i> , 2021 , 27, 14184-14188	4.8	4
106	Hall-effect Measurements and Transport Properties of Heterostructures in the Model System NiTe ₂ -Sn ₁₂ Sb ₂ Te ₁₅ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1345-1351	1.3	0
105	A Layered Tin Bismuth Selenide with Three Different Building Blocks that Account for an Extremely Large Lattice Parameter of 283 Å. <i>Chemistry - A European Journal</i> , 2020 , 26, 10676-10681	4.8	1
104	Characterization and Decomposition of the Natural van der Waals SnSbTe under Compression. <i>Inorganic Chemistry</i> , 2020 , 59, 9900-9918	5.1	11
103	BaP ₃ N ₁₀ NH:Eu as a Case Study-An Imidonitridophosphate Showing Luminescence. <i>Chemistry - A European Journal</i> , 2020 , 26, 5010-5016	4.8	6
102	Lithium atom mobility in lithium germanium antimony tellurides elucidated by neutron diffraction and quasielastic neutron scattering. <i>Journal of Alloys and Compounds</i> , 2020 , 827, 154346	5.7	0
101	Nitridophosphate-Based Ultra-Narrow-Band Blue-Emitters: Luminescence Properties of AEP ₃ N ₁₀ :Eu (AE=Ca, Sr, Ba). <i>Chemistry - A European Journal</i> , 2020 , 26, 7292-7298	4.8	12
100	Decomposition Phenomena of Zn ₁₃ B ₁₀ under Working Conditions of Thermoelectric Generators and Minimum Current Densities for Electromigration. <i>ACS Applied Energy Materials</i> , 2020 , 3, 2103-2109	6.1	6
99	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	2.3	4
98	Cobalt germanide precipitates indirectly improve the properties of thermoelectric germanium antimony tellurides. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 11419-11430	7.1	3
97	Low Thermal Conductivity in Thermoelectric Oxide-Based Multiphase Composites. <i>Journal of Electronic Materials</i> , 2019 , 48, 7551-7561	1.9	13

96	Hydrogenation Properties of LnAl ₂ (Ln = La, Eu, Yb), LaGa ₂ , LaSi ₂ and the Crystal Structure of LaGa ₂ H _{0.71} (2). <i>Crystals</i> , 2019 , 9, 193	2.3	6
95	CuTeCl: A Thermoelectric Compound with Low Thermal and High Electrical Conductivity. <i>Inorganic Chemistry</i> , 2019 , 58, 6222-6230	5.1	4
94	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	4.8	6
93	Chemical Aspects of the Candidate Antiferromagnetic Topological Insulator MnBi ₂ Te ₄ . <i>Chemistry of Materials</i> , 2019 , 31, 2795-2806	9.6	114
92	Ammonothermal Synthesis of the Mixed-Valence Nitrogen-Rich Europium Tantalum Ruddlesden-Popper Phase EuII EuIII ₂ Ta ₂ N ₄ O ₃ . <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 2304-2311 ⁵	2.3	5
91	The Sodium Antimony Telluridogermanate(III) Na ₉ Sb[Ge ₂ Te ₆] ₂ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 1037-1042	1.3	1
90	Layered manganese bismuth tellurides with GeBi ₄ Te ₇ - and GeBi ₆ Te ₁₀ -type structures: towards multifunctional materials. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9939-9953	7.1	25
89	Structures and transport properties of metastable solid solutions (NaSbTe ₂) ₁ -(GeTe). <i>Journal of Alloys and Compounds</i> , 2019 , 806, 774-779	5.7	3
88	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> , 2019 , 25, 14382-14387	4.8	3
87	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	1.3	2
86	Targeting Vacancies in Nitridosilicates: Aliovalent Substitution of M (M=Ca, Sr) by Sc and U. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 840-843	16.4	3
85	Cationic Pb Dumbbells Stabilized in the Highly Covalent Lead Nitridosilicate Pb Si N. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1432-1436	16.4	9
84	Cornucopia of Structures in the Pseudobinary System (SnSe) BiSe: A Crystal-Chemical Copycat. <i>Inorganic Chemistry</i> , 2018 , 57, 4427-4440	5.1	6
83	The Effect of Scandium Ternary Intergrain Precipitates in Al-Containing High-Entropy Alloys. <i>Entropy</i> , 2018 , 20,	2.8	3
82	Structure and thermoelectric properties of the silver lead bismuth selenides AgPbBiSe and AgPbBiSe. <i>Dalton Transactions</i> , 2018 , 47, 12431-12438	4.3	4
81	A cubic room temperature polymorph of thermoelectric TAGS-85.. <i>RSC Advances</i> , 2018 , 8, 42322-42328	3.7	3
80	Argyrodite-Type Cu ₈ GeSe ₆ Tex (0 ≤ x ≤ 1): Temperature-Dependent Crystal Structure and Thermoelectric Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1915-1922	1.3	8
79	Cationic Pb ₂ Dumbbells Stabilized in the Highly Covalent Lead Nitridosilicate Pb ₂ Si ₅ N ₈ . <i>Angewandte Chemie</i> , 2018 , 131, 1446	3.6	0

78	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	9.6	8
77	REBa[SiONC]:Eu (RE = Lu, Y): Green-Yellow Emitting Oxonitridocarbidosilicates with a Highly Condensed Network Structure Unraveled through Synchrotron Microdiffraction. <i>Inorganic Chemistry</i> , 2018 , 57, 13840-13846	5.1	6
76	Ammonothermal Synthesis and Crystal Structure of the Nitridoalumogermanate $\text{Ca}_{1-x}\text{Li}_x\text{Al}_{1-x}\text{Ge}_{1+x}\text{N}_3$ ($x \in [0, 2]$). <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 759-764	2.3	8
75	The Influence of Nanoscale Heterostructures on the Thermoelectric Properties of Bi-substituted Tl_5Te_3 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 447-454	1.3	6
74	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	5.8	5
73	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> , 2017 , 37, 3909-3915	6	38
72	Ammonothermal Synthesis of Novel Nitrides: Case Study on CaGaSiN . <i>Chemistry - A European Journal</i> , 2017 , 23, 2583-2590	4.8	35
71	Cation disorder and vacancies in the sulfosalt-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	5.7	6
70	The Crystal Structures of $\text{Pb}_5\text{Sb}_4\text{S}_{11}$ (Boulangerite) A Phase Transition Explains Seemingly Contradictory Structure Models. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 1531-1542	1.3	3
69	Highly Symmetric AB Framework Related to Tridymite in the Disordered Nitridosilicate $\text{LaSr}[\text{SiN}](\text{OF})_x$ ($x = 0.489$). <i>Inorganic Chemistry</i> , 2017 , 56, 13070-13077	5.1	5
68	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	16.4	15
67	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	16.4	12
66	Phase Transitions of Thermoelectric TAGS-85. <i>Inorganic Chemistry</i> , 2017 , 56, 15091-15100	5.1	17
65	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	5.7	3
64	Copper Selenidophosphates $\text{Cu}_4\text{P}_2\text{Se}_6$, $\text{Cu}_4\text{P}_3\text{Se}_4$, $\text{Cu}_4\text{P}_4\text{Se}_3$, and CuP_2Se , Featuring Zero-, One-, and Two-Dimensional Anions. <i>Inorganic Chemistry</i> , 2016 , 55, 8031-40	5.1	3
63	Structural and electrical study of the topological insulator SnBi_2Te_4 at high pressure. <i>Journal of Alloys and Compounds</i> , 2016 , 685, 962-970	5.7	19
62	Dry reforming of methane with carbon dioxide over $\text{NiO}/\text{MgO}/\text{ZrO}_2$. <i>Catalysis Today</i> , 2016 , 270, 68-75	5.3	36
61	$\text{M}_2\text{PO}_3\text{N}$ (M = Ca, Sr): ortho-Oxonitridophosphates with K_2SO_4 Structure Type. <i>Inorganic Chemistry</i> , 2016 , 55, 974-82	5.1	13

60	Correlation of High Magnetoelectric Coupling with Oxygen Vacancy Superstructure in Epitaxial Multiferroic BaTiO ₃ /BiFeO ₃ Composite Thin Films. <i>Materials</i> , 2016 , 9,	3.5	14
59	Ba _{1.63} La _{7.39} Si ₁₁ N ₂₃ Cl _{0.42} :Ce ³⁺ A Nitridosilicate Chloride with a Zeolite-Like Structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 603-608	1.3	3
58	From Minor Side Phases to Bulk Samples of Lanthanum Oxonitridosilicates: An Investigation with Microfocused Synchrotron Radiation. <i>Inorganic Chemistry</i> , 2016 , 55, 3624-9	5.1	1
57	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	9.6	48
56	Temperature-dependent ordering phenomena in single crystals of germanium antimony tellurides. <i>Journal of Solid State Chemistry</i> , 2015 , 227, 223-231	3.3	5
55	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, 12633-8	16.4	90
54	Information on real-structure phenomena in metastable GeTe-rich germanium antimony tellurides (GeTe) _n Sb ₂ Te ₃ (n ∈ ℤ) by semi-quantitative analysis of diffuse X-ray scattering. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2015 , 230,	1	7
53	The influence of Mn doping on the properties of Ge ₄ Sb ₂ Te ₇ . <i>Journal of Alloys and Compounds</i> , 2015 , 652, 74-82	5.7	10
52	La ₆ Ba ₃ [Si ₁₇ N ₂₉ O ₂]Cl ₄ An Oxonitridosilicate Chloride with Exceptional Structural Motifs. <i>Inorganic Chemistry</i> , 2015 , 54, 8727-32	5.1	6
51	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	7.1	13
50	Discovery and Structure Determination of an Unusual Sulfide Telluride through an Effective Combination of TEM and Synchrotron Microdiffraction. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10020-3	16.4	27
49	Crystal Structure Determination of Ag ₃ Pb ₄ Bi ₁₁ Se ₂₂ by Microfocussed Synchrotron Radiation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 192-196	1.3	5
48	Entdeckung und Strukturbestimmung eines ungewöhnlichen Sulfidtellurids mithilfe einer effektiven Kombination von TEM und Synchrotron-Mikrodiffraction. <i>Angewandte Chemie</i> , 2015 , 127, 10158-10161	3.6	10
47	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	6.4	15
46	Doping GeSb ₂ Te ₄ with Cr ³⁺ : Structure and Temperature-Dependent Physical Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 2350-2356	1.3	6
45	Silver Indium Telluride Semiconductors and Their Solid Solutions with Cadmium Indium Telluride: Structure and Physical Properties. <i>Inorganic Chemistry</i> , 2015 , 54, 5745-56	5.1	9
44	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, 012905	3.4	49
43	Nanostructured rocksalt-type solid solution series (Ge _{1-x} Sn _x Te) _n Sb ₂ Te ₃ (n=4, 7, 12; 0 ≤ x ≤ 1): Thermal behavior and thermoelectric properties. <i>Journal of Solid State Chemistry</i> , 2014 , 215, 231-240	3.3	17

42	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> , 2014 , 37, 551-554	2	12
41	TAGS-related indium compounds and their thermoelectric properties in the solid solution series $(\text{GeTe})_x\text{AgIn}_y\text{Sb}_{1-y}\text{Te}_2$ ($x = 1-y$; $y = 0.5$ and 1). <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6384-6395	13	17
40	Nanostructures in Te/Sb/Ge/Ag (TAGS) thermoelectric materials induced by phase transitions associated with vacancy ordering. <i>Inorganic Chemistry</i> , 2014 , 53, 7722-9	5.1	34
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	3.3	18
38	Highly Efficient pc-LED Phosphors $\text{Sr}_{1-x}\text{Ba}_x\text{Si}_2\text{O}_7\text{N}_2:\text{Eu}^{2+}$ ($0 < x < 1$) - Crystal Structures and Luminescence Properties Revisited. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2014 , 39, 215-229	10.1	50
37	Enhancing the Thermoelectric Properties of Germanium Antimony Tellurides by Substitution with Selenium in Compounds $\text{Ge}_n\text{Sb}_2(\text{Te}_{1-x}\text{Se}_x)_{n+3}$ ($0 < x < 0.5$; $n \geq 7$). <i>Chemistry of Materials</i> , 2014 , 26, 2567-2578	9.6	45
36	Layered germanium tin antimony tellurides: element distribution, nanostructures and thermoelectric properties. <i>Dalton Transactions</i> , 2014 , 43, 10529-40	4.3	27
35	$\text{CaMg}_2\text{P}_6\text{O}_{33}\text{N}_{10}$ A Quinary Oxonitridophosphate with an Unprecedented Tetrahedra Network Structure Type. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 3427-3434	2.3	10
34	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	1.3	4
33	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	3.3	8
32	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	3.4	14
31	Temperature dependent resonant X-ray diffraction of single-crystalline $\text{Ge}_2\text{Sb}_2\text{Te}_5$. <i>CrystEngComm</i> , 2013 , 15, 4823	3.3	47
30	New Polymorph of the Highly Efficient LED-Phosphor $\text{SrSi}_2\text{O}_7\text{N}_2:\text{Eu}^{2+}$ [Polytypism of a Layered Oxonitridosilicate. <i>Chemistry of Materials</i> , 2013 , 25, 1852-1857	9.6	57
29	$(\text{GeTe})_n\text{SbInTe}_3$ ($n \geq 1$) Element distribution and thermal behavior. <i>Journal of Solid State Chemistry</i> , 2013 , 208, 20-26	3.3	15
28	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> , 2013 , 52, 11288-94	5.1	20
27	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	3.8	18
26	Disorder and Transport Properties of In_3SbTe_2 in X-ray, Neutron and Electron Diffraction Study. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 2536-2541	1.3	16
25	Two Synthetic Approaches to $\text{Ag}_{3.4}\text{In}_{3.7}\text{Sb}_{76.4}\text{Te}_{16.5}$ Bulk Samples and their Transport Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 2868-2874	1.3	2

24	Ba ₆ P ₁₂ N ₁₇ O ₉ Br ₃ I 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	2.3	10
23	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, 13446-52	4.8	41
22	From metastable to stable modifications-in situ Laue diffraction investigation of diffusion processes during the phase transitions of (GeTe) _n Sb ₂ Te ₃ (6 Chemical Communications, 2012 , 48, 2192-4	5.8	26
21	Ca ₃ Sm ₃ [Si ₉ N ₁₇] and Ca ₃ Yb ₃ [Si ₉ N ₁₇] nitridosilicates with interpenetrating nets that consist of star-shaped [N ₄ (SiN ₃) ₄] units and [Si ₅ N ₁₆] supertetrahedra. <i>Chemistry - A European Journal</i> , 2012 , 18, 10857-64	4.8	15
20	Atom distribution in SnSb ₂ Te ₄ by resonant X-ray diffraction. <i>Solid State Sciences</i> , 2011 , 13, 1157-1161	3.4	29
19	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. <i>Solid State Sciences</i> , 2011 , 13, 1769-1778	3.4	33
18	Real Structure and Thermoelectric Properties of GeTe-Rich Germanium Antimony Tellurides. <i>Chemistry of Materials</i> , 2011 , 23, 4349-4356	9.6	130
17	Unprecedented zeolite-like framework topology constructed from cages with 3-rings in a barium oxonitridophosphate. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12069-78	16.4	40
16	From phase-change materials to thermoelectrics?. <i>Zeitschrift Für Kristallographie</i> , 2010 , 225,		54
15	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> , 2010 , 81,	3.3	37
14	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	3.8	14
13	Structure elucidation of BaSi ₂ O ₂ N ₂ I A host lattice for rare-earth doped luminescent materials in phosphor-converted (pc)-LEDs. <i>Solid State Sciences</i> , 2009 , 11, 537-543	3.4	111
12	Ba ₆ Si ₆ N ₁₀ O ₂ (CN ₂) I A Nitridosilicate with a NPO-Zeolite Structure Type Containing Carbodiimide Ions. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 2678-2683	2.3	11
11	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	9.6	514
10	Nitridogermanate nitrides Sr ₇ [Ge ₄]N ₂ and Ca ₇ [Ge ₄]N ₂ : synthesis employing sodium melts, crystal structure, and density-functional theory calculations. <i>Inorganic Chemistry</i> , 2008 , 47, 12018-23	5.1	10
9	Sr ₅ Ge ₂ N ₆ I A Nitridogermanate with Edge-sharing Double Tetrahedra. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 1309-1311	1.3	9
8	Unusual Solid Solutions in the System Ge-Sb-Te: The Crystal Structure of 33R-Ge ₄ Sb ₂ Te ₇ (x, y I 0.1) is Isostructural to that of Ge ₃ Sb ₂ Te ₆ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 2557-2561	1.3	28
7	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, 4969-80	4.8	638

6	The stuffed framework structure of SrP ₂ N ₄ : challenges to synthesis and crystal structure determination. <i>Chemistry - A European Journal</i> , 2007 , 13, 6841-52	4.8	51
5	Real structure of SrSi ₂ O ₂ N ₂ . <i>Solid State Sciences</i> , 2007 , 9, 205-212	3.4	121
4	Ca[Si(2)O(2)N(2)]--a novel layer silicate. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5540-2	16.4	111
3	Ca[Si ₂ O ₂ N ₂] [ein neuartiges Schichtsilicat. <i>Angewandte Chemie</i> , 2004 , 116, 5656-5659	3.6	57
2	LixH _{12-x-y+z} [P ₁₂ O _y N _{24-y}]Cl _z --an oxonitridophosphate with a zeolitelike framework structure composed of 3-rings. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3549-52	16.4	61
1	Anomalous Raman modes in tellurides. <i>Journal of Materials Chemistry C</i> ,	7.1	5