

Tom Nilges

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papers

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227
ext. papers

4,674
ext. citations

5.4
avg, IF

5.47
L-index

#	Paper	IF	Citations
157	Black phosphorus gas sensors. <i>ACS Nano</i> , 2015 , 9, 5618-24	16.7	497
156	Black Arsenic-Phosphorus: Layered Anisotropic Infrared Semiconductors with Highly Tunable Compositions and Properties. <i>Advanced Materials</i> , 2015 , 27, 4423-4429	24	282
155	Au ₃ SnP ₇ @black phosphorus: an easy access to black phosphorus. <i>Inorganic Chemistry</i> , 2007 , 46, 4028-35.1	280	
154	Room temperature high-detectivity mid-infrared photodetectors based on black arsenic phosphorus. <i>Science Advances</i> , 2017 , 3, e1700589	14.3	269
153	Access and in situ growth of phosphorene-precursor black phosphorus. <i>Journal of Crystal Growth</i> , 2014 , 405, 6-10	1.6	249
152	A fast low-pressure transport route to large black phosphorus single crystals. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 1707-1711	3.3	194
151	Puzzling out the origin of the electrochemical activity of black P as a negative electrode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5293	13	114
150	The extended stability range of phosphorus allotropes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11629-33	16.4	113
149	Synthesis and identification of metastable compounds: black arsenic--science or fiction?. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2994-7	16.4	93
148	Air-Stable Room-Temperature Mid-Infrared Photodetectors Based on hBN/Black Arsenic Phosphorus/hBN Heterostructures. <i>Nano Letters</i> , 2018 , 18, 3172-3179	11.5	87
147	Reversible switching between p- and n-type conduction in the semiconductor Ag ₁₀ Te ₄ Br ₃ . <i>Nature Materials</i> , 2009 , 8, 101-8	27	85
146	A structural differentiation of quaternary copper argyrodites: Structure-Property relations of high temperature ion conductors. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2005 , 220,	1	74
145	Synthesis and Phase Relations of Single-Phase Fibrous Phosphorus. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 2741-2743	1.3	52
144	Inorganic Double Helices in Semiconducting SnP. <i>Advanced Materials</i> , 2016 , 28, 9783-9791	24	50
143	Van der Waals interactions in selected allotropes of phosphorus. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2015 , 230,	1	50
142	Mineralization routes to polyphosphides: Cu ₂ P ₂₀ and Cu ₅ InP ₁₆ . <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5654-7	16.4	46
141	Ag ₁₀ Te ₄ Br ₃ : A New Silver(I) (poly)Chalcogenide Halide Solid Electrolyte. <i>Chemistry of Materials</i> , 2006 , 18, 2538-2544	9.6	44

140	Red-phosphorus-impregnated carbon nanofibers for sodium-ion batteries and liquefaction of red phosphorus. <i>Nature Communications</i> , 2020 , 11, 2520	17.4	41
139	Black Phosphorus Field-Effect Transistors with Work Function Tunable Contacts. <i>ACS Nano</i> , 2017 , 11, 7126-7133	16.7	40
138	Structure-Property Relations and Diffusion Pathways of the Silver Ion Conductor Ag ₅ Te ₂ Cl. <i>Chemistry of Materials</i> , 2004 , 16, 806-812	9.6	40
137	Polymorphism, Structural Frustration, and Electrical Properties of the Mixed Conductor Ag ₁₀ Te ₄ Br ₃ . <i>Chemistry of Materials</i> , 2007 , 19, 1401-1410	9.6	37
136	Enhancement of Li Ion Conductivity by Electrospun Polymer Fibers and Direct Fabrication of Solvent-Free Separator Membranes for Li Ion Batteries. <i>Inorganic Chemistry</i> , 2017 , 56, 2100-2107	5.1	35
135	LixH _{12-x-y+z} [P ₁₂ O _y N _{24-y}]X _z (X = Cl, Br) - Oxonitridophosphate mit NPO-Zeolithstruktur. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004 , 630, 2205-2217	1.3	34
134	Morphology-controlled microwave-assisted solvothermal synthesis of high-performance LiCoPO ₄ as a high-voltage cathode material for Li-ion batteries. <i>Journal of Power Sources</i> , 2017 , 342, 214-223	8.9	32
133	Electrospun-sodiumtetrafluoroborate-polyethylene oxide membranes for solvent-free sodium ion transport in solid state sodium ion batteries. <i>Journal of Power Sources</i> , 2018 , 378, 610-617	8.9	32
132	Magnetic, Optical, and Electronic Properties of the Phosphide Oxides REZnPO (RE = Y, La, Nd, Sm, Gd, Dy, Ho). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 1339-1348	1.3	32
131	NMR studies of phosphorus chalcogenide-Copper iodide coordination compounds. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 3768-3776	3.6	32
130	Dimorphic CeZnPO and PrZnPO. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 1804-1808	3.6	31
129	Die erweiterte Stabilitätsreihe der Phosphorallotropen. <i>Angewandte Chemie</i> , 2014 , 126, 11813-11817	3.6	30
128	Recent progress and developments in lithium cobalt phosphate chemistry- Syntheses, polymorphism and properties. <i>Journal of Power Sources</i> , 2018 , 382, 101-115	8.9	29
127	Reversible Property Switching, Thermoelectric Performance, and d10-d10 Interactions in Ag ₅ Te ₂ Cl. <i>Chemistry of Materials</i> , 2010 , 22, 2946-2954	9.6	28
126	Silver ion dynamics in the Ag ₅ Te ₂ Cl-polymorphs revealed by solid state NMR lineshape and two- and three-time correlation spectroscopies. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 369-78	3.6	27
125	Zincation of primary amines: synthesis and structures of dimeric alkylzinc amides. <i>Inorganica Chimica Acta</i> , 2001 , 312, 239-244	2.7	27
124	Facile, ethylene glycol-promoted microwave-assisted solvothermal synthesis of high-performance LiCoPO ₄ as a high-voltage cathode material for lithium-ion batteries. <i>RSC Advances</i> , 2016 , 6, 82984-82994	3.7	26
123	Synthese und Identifizierung metastabiler Verbindungen: schwarzes Arsen -Fiktion oder Wirklichkeit?. <i>Angewandte Chemie</i> , 2012 , 124, 3049-3052	3.6	25

122	Structures, phase transitions and electrical properties of Ag ₅ Te _{2-y} SeyCl ($y=0\text{--}0.7$). <i>Solid State Sciences</i> , 2005 , 7, 79-88	3.4	25
121	Cd ₄ Cu ₇ As, the first representative of a fully ordered, orthorhombically distorted MgCu ₂ Laves phase. <i>Inorganic Chemistry</i> , 2012 , 51, 8119-27	5.1	23
120	Particle size-controllable microwave-assisted solvothermal synthesis of the high-voltage cathode material LiCoPO ₄ using water/ethylene glycol solvent blends. <i>Solid State Sciences</i> , 2017 , 65, 100-109	3.4	22
119	Flexible and Ultrasoft Inorganic 1D Semiconductor and Heterostructure Systems Based on SnIP. <i>Advanced Functional Materials</i> , 2019 , 29, 1900233	15.6	22
118	Anodic Decomposition of Trimethylboroxine as Additive for High Voltage Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2014 , 161, A2255-A2261	3.9	22
117	Crystal structures and thermal and electrical properties of the new silver (poly)chalcogenide halides Ag ₂₃ Te ₁₂ Cl and Ag ₂₃ Te ₁₂ Br. <i>Inorganic Chemistry</i> , 2008 , 47, 2625-33	5.1	22
116	Mineralisator-Konzept f<ü>r Polyphosphide: Cu ₂ P ₂₀ und Cu ₅ InP ₁₆ . <i>Angewandte Chemie</i> , 2008 , 120, 5736-5739	3.9	22
115	(CuI)(2)P(8)Se(3): An Adduct of D(3)-Symmetrical P(8)Se(3) Cage Molecules with Cu(2)I(2) Rhombs The authors gratefully acknowledge the continuous support from Prof. Dr. H. J. Deiseroth. This work has been financially supported by the Deutsche Forschungsgemeinschaft and the Fonds der Chemischen Industrie. S.P. thanks the Bundesgraduiertenförderung. Nordrhein-Westfalen Förderstipendium. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 4160-4162	16.4	22
114	Nitrogen-Doping in ZnO via Combustion Synthesis?. <i>Chemistry of Materials</i> , 2015 , 27, 4188-4195	9.6	21
113	Synthese und Struktur von Sr ₆ P ₈ -Polyedern in gemischten Phosphaniden/Phosphandiüden des Strontiums. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2000 , 626, 1073-1080	1.3	21
112	Synthesis, Characterization, and Device Application of Antimony-Substituted Violet Phosphorus: A Layered Material. <i>ACS Nano</i> , 2017 , 11, 4105-4113	16.7	20
111	Thiosilicate der Selten-Erd-Elemente: IV. Die quasi-isostrukturellen Verbindungen NaSm ₃ S ₃ [SiS ₄], CuCe ₃ S ₃ [SiS ₄], Ag _{0.63} Ce ₃ S _{2.63} Cl _{0.37} [SiS ₄] und Sm ₃ S ₂ Cl[SiS ₄]. Synthese, Kristallstruktur und Untersuchungen zur Silberionendynamik. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 628, 615-625	1.3	20
110	Ag ₁₀ Te ₄ Br ₃ Cl _x and Ag ₁₀ Te ₄ Br ₃ I _y : Structural and Electrical Property Tuning of a Mixed Conductor by Partial Anion Substitution. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007 , 62, 955-964	1	20
109	Ag ₅ Te ₂ Cl _{1-x} Br _x ($x = 0 \text{--} 0.65$) and Ag ₅ Te _{2-y} SyCl ($y = 0 \text{--} 0.3$): Variation of Physical Properties in Silver(I) Chalcogenide Halides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005 , 631, 3002-3012	1.3	19
108	Preparation, structural, Raman and impedance spectroscopic characterisation of the silver ion conductor (AgI) ₂ Ag ₃ Sb ₃ . <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 5888-5894	3.6	19
107	Phosphorus Rich d ₁₀ Ion Polyphosphides and Selected Materials. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 304-310	1.3	18
106	One-Dimensional [P ₁₅](-) Tubes in Layered Semiconducting AgP ₁₅ . <i>Inorganic Chemistry</i> , 2015 , 54, 10794-10800	1.3	18
105	Vapor Deposition of Semiconducting Phosphorus Allotropes into TiO ₂ Nanotube Arrays for Photoelectrocatalytic Water Splitting. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3358-3367	5.6	17

104	Ag ₃ SnCuP10: [Ag ₃ Sn] tetrahedra embedded between adamantane-type [P10] cages. <i>Inorganic Chemistry</i> , 2006 , 45, 5878-85	5.1	17
103	Au ₃ SnCuP10 and Au ₃ SnP7: Preparation and Crystal Structures of Au ₃ Sn Heterocluster Polyphosphides. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2006 , 61, 871-881 ¹		17
102	A conceptional approach to materials for resistivity switching and thermoelectrics. <i>Solid State Sciences</i> , 2011 , 13, 944-947	3.4	15
101	CuBrSe ₂ : a Metastable Compound in the System CuBr / Se. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1999 , 625, 201-206	1.3	15
100	The unique decomposition behavior of the dimeric dialkylaluminum hydrazide [(Me ₃ C) ₂ Al-N(H)-N(H)-Me] ₂ -butane versus ammonia elimination. <i>Inorganic Chemistry</i> , 2009 , 48, 752-9	5.1	14
99	Silver(I) Chalcogenide Halides Ag ₁₉ Te ₆ Br ₇ , Ag ₁₉ Te ₆ Br _{5.4} I _{1.6} , and Ag ₁₉ Te ₅ SeBr ₇ . <i>Chemistry of Materials</i> , 2008 , 20, 4080-4091	9.6	14
98	Crystal and electronic structure of La ₃ Zn ₂ P ₄ [New phosphide with isolated P ₃ ⁴⁻ species. <i>Solid State Sciences</i> , 2008 , 10, 1006-1011	3.4	13
97	Structures and Thermal Properties of Silver(I) (Poly)chalcogenide Halide Solid Solutions Ag ₁₀ Te ₄ [q, p]Q(q, p)Br ₃ with Q = S, Se. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2008 , 63, 629-636	1	13
96	A New Preparative Approach to HgPbP ₁₄ Structure Type Materials: Crystal Structure of Cu _{0.73(1)} Sn _{1.27(1)} P ₁₄ and Characterization of M _{1-x} Sn _{1+x} P ₁₄ (M = Cu, Ag) and AgSbP ₁₄ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 195-203	1.3	13
95	Electrospun Li(TFSI)@Polyethylene Oxide Membranes as Solid Electrolytes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1863-1874	1.3	13
94	The use of the High-Temperature Gas-Balance (HTGB) for thermogravimetric measurements. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 110, 1511-1521	4.1	12
93	Chemical bonding and Mössbauer spectroscopic investigations on ternary polyphosphides AgSbP ₁₄ , [Ag ₃ Sn]P ₇ and [Au ₃ Sn]P ₇ . <i>Solid State Sciences</i> , 2009 , 11, 519-527	3.4	12
92	The Solid Solutions M ₁₉ Q ₆ X ₇ with M = Ag, Cu; Q = S, Se, Te and X = S, Se, Te. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 2185-2190	1.3	12
91	(Cul) ₂ P ₈ Se ₃ : ein Addukt von D ₃ -symmetrischen P ₈ Se ₃ -Käfigmolekülen an Cu ₂ I ₂ -Rhomben. <i>Angewandte Chemie</i> , 2000 , 112, 4328-4330	3.6	12
90	Synthesis and characterization of metastable, 20 nm-sized Pna ₂₁ -LiCoPO ₄ nanospheres. <i>Journal of Solid State Chemistry</i> , 2017 , 248, 9-17	3.3	11
89	Structure Chemical Aspects of Silver(I) Chalcogenide Halides and Preparation of the x = 1 Member of the Solid Solution Ag ₅ Te ₂ Cl _{1-x} Br _x . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2008 , 63, 1077-1082	1	11
88	The Stannides AuNiSn ₂ and AuCuSn ₂ [Bulk Synthesis and Superstructure Determination. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 1163-1166	1.3	11
87	Composite Copper Chalcogenide Halides: Neutron Powder Diffraction of CuClCu ₂ TeS ₃ and Electrical Properties of CuClCu ₂ TeS ₃ , (Cul) ₂ Cu ₃ SbS ₃ , and (Cul) ₃ Cu ₂ TeS ₃ . <i>Journal of Solid State Chemistry</i> , 1999 , 147, 170-176	3.3	11

86	Synthesis, Structure, and Properties of NaP ₇ , a Phosphorus-rich Polyphosphide. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 1395-1399	1.3	10
85	Synthesis and Structure of Sr ₂ Pd ₂ In and Sr ₂ Pt ₂ In. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007 , 62, 1563-1566	1	10
84	(CuBr)3P4Se4: A Low Symmetric Variant of the (CuI)3P4Se4 Structure Type. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2003 , 629, 563-568	1.3	10
83	Inorganic SnIP-Type Double Helices in Main-Group Chemistry. <i>Chemistry - A European Journal</i> , 2017 , 23, 6452-6457	4.8	9
82	Structure and Vibrational Analyses of LiP ₁₅ . <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 5135-5144	1.4	9
81	Highly Dynamic Chalcogen Chains in Silver(I) (Poly)Chalcogenide Halides: a New Concept for Thermoelectrics?. <i>Journal of Electronic Materials</i> , 2010 , 39, 2096-2104	1.9	9
80	Partial Anion Exchange in Ag ₂₃ Te ₁₂ X: The Solid Solutions Ag ₂₃ Te ₁₂ Cl ₁ Br ₁ X, Ag ₂₃ Te ₁₂ Br ₁ Cl ₁ X and Ag ₂₃ Te ₁₂ Cl ₁ I ₁ X. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 297-304	1.3	9
79	Anisotropic moiré optical transitions in twisted monolayer/bilayer phosphorene heterostructures. <i>Nature Communications</i> , 2021 , 12, 3947	17.4	9
78	Metal ion displacements in noncentrosymmetric chalcogenides La ₃ Ga _{1.67} S ₇ , La ₃ Ag _{0.6} Ga _{Ch} ₇ (Ch=S, Se), and La ₃ MGaSe ₇ (M=Zn, Cd). <i>Journal of Solid State Chemistry</i> , 2016 , 243, 221-231	3.3	9
77	A Chemical, High-Temperature Way to AgTe via Quasi-Topotactic Reaction of Stuetzite-type AgTe: Structural and Thermoelectric Properties. <i>Inorganic Chemistry</i> , 2017 , 56, 13930-13937	5.1	8
76	Vapor growth of binary and ternary phosphorus-based semiconductors into TiO ₂ nanotube arrays and application in visible light driven water splitting. <i>Nanoscale Advances</i> , 2019 , 1, 2881-2890	5.1	8
75	New Phosphides La ₅ Zn ₂ P ₆ and Ce ₅ Zn ₂ P ₆ [the n = 4 Members of the REZn ₂ P ₂ h(REP) Series. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 2885-2888	1.3	8
74	119Sn Mössbauer Spectroscopy and Chemical Bonding in AuTSn ₂ (T = Ni, Cu, Pd). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 1432-1436	1.3	8
73	(CuBr)2P8Se ₃ : preparation, structural, and vibrational spectroscopic characterization of an adduct of P8Se ₃ cages to Cu ₂ Br ₂ rhombs. <i>Journal of Molecular Structure</i> , 2004 , 706, 89-94	3.4	8
72	Low-activated Li-ion mobility and metal to semiconductor transition in CdP ₂ @Li phases. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6484-6491	1.3	7
71	Temperature initiated P-polymerization in solid [Cd ₃ Cu]CuP ₁₀ . <i>Inorganic Chemistry</i> , 2013 , 52, 11895-901	1.5	7
70	A yield-optimized access to double-helical SnIP via a Sn/SnI ₂ approach. <i>Journal of Crystal Growth</i> , 2017 , 475, 341-345	1.6	7
69	[Cd ₃ Cu]CuP ₁₀ , [Cd ₃ Cu] Cluster Stabilized in an Adamantane-Like Polyphosphide Substructure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 667-673	1.3	7

68	Electrochemical Properties of Ag ₅ Te ₂ Cl _{0.8} Br _{0.2} , a Representative of the Solid Solutions Ag ₅ Te ₂ Cl _{1-x} Br _x . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2008 , 63, 1083-1086	1	7
67	On the Solid Solutions Eu _{1-x} Pt ₂ In _x , Gd _{1-x} Pt ₂ In _x , and Tm _{1-x} Ni ₂ In _x . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005 , 60, 393-397	1	7
66	A Rational Approach to IrPTe. DFT and CalPhaD Studies on Phase Stability, Formation, and Structure of IrPTe. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 1099-1105	1.3	6
65	Expressway to partially oxidized phosphorene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4311-4313	11.5	6
64	Phase Segregation of Polymorphic Solid Ion Conducting Cu ₇ PS ₆ during Thermoelectric Experiments. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1519-1524	1.3	6
63	CoLi[(OH)O][(POOH)(PO)], a Lithium-Stabilized, Mixed-Valent Cobalt(II,III) Hydroxide Phosphate Framework. <i>Inorganic Chemistry</i> , 2017 , 56, 10950-10961	5.1	6
62	Lithium transition metal pnictides. Structural chemistry, electrochemistry, and function. <i>Reviews in Inorganic Chemistry</i> , 2015 , 35, 1-24	2.4	6
61	Comments on Peierls-distorted Indium Chains in In ₄ Se ₃ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 497-501	1.3	6
60	Pb ₅ I ₂ P ₂₈ , \$^{1}_{\infty}\$rm [PbP _{14}]{rm ^{2}}\$ Strands Coordinated to a Unique [Pb ₃ I ₂] ₄₊ Unit. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 307-311	1.3	6
59	Ternary phosphides Ce ₃ Zn ₂ P ₄ and Ce ₄ Zn ₂ P ₅ . Stacking variants of CeP ₆ octahedra and ZnP ₄ tetrahedra. <i>Solid State Sciences</i> , 2008 , 10, 1480-1484	3.4	6
58	In Situ Studies and Magnetic Properties of the Cmcm Polymorph of LiCoPO ₄ with a Hierarchical Dumbbell-Like Morphology Synthesized by Easy Single-Step Polyol Synthesis. <i>Inorganics</i> , 2016 , 4, 35	2.9	6
57	Element allotropes and polyanion compounds of pnictogenes and chalcogenes: stability, mechanisms of formation, controlled synthesis and characterization. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2017 , 232, 91-105	1	5
56	Polyantimonides as anode materials in battery applications. <i>Progress in Solid State Chemistry</i> , 2014 , 42, 191-201	8	5
55	Effects of partial anion substitution on the thermoelectric properties of silver(I) chalcogenide halides in the system Ag ₅ Q ₂ X with Q=Te, Se and S and X=Br and Cl. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 778-785	3.3	5
54	Structure Topology in Silver(I)-(poly)chalcogenide Halides: A Helpful Tool to Understand Structure Relations and Properties'. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 15-18	1.3	5
53	Ag ₅ Te _{2-y} Se _y Cl und Ag ₅ Te ₂ Cl _{1-x} Br _x : Struktur-Eigenschaftsvariationen durch Anionenaustausch. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004 , 630, 1749-1749	1.3	5
52	Formation Mechanisms for Phosphorene and SnIP. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6816-6823	16.4	5
51	CuTeCl: A Thermoelectric Compound with Low Thermal and High Electrical Conductivity. <i>Inorganic Chemistry</i> , 2019 , 58, 6222-6230	5.1	4

50	Toward Atomic-Scale Inorganic Double Helices via Carbon Nanotube Matrices Induction of Chirality to Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13338-13347	3.8	4
49	Polymorphism in Zintl Phases $\text{ACd4Pn}3$: Modulated Structures of $\text{NaCd4Pn}3$ with $\text{Pn} = \text{P, As}$. <i>Inorganic Chemistry</i> , 2016 , 55, 7764-76	5.1	4
48	$\text{La(OH)}_2\text{I}(\text{H}_2\text{O})$: Closing a Gap in Rare Earth Hydroxide Halide Structural Chemistry. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2006 , 61, 117-122	1	4
47	$\text{CuClSe}_{1.53}\text{Te}_{0.47}$ and $\text{CuClSe}_{0.56}\text{Te}_{1.44}$: Structural and Vibrational Spectroscopic Investigations on Copper(I) Chalcogen Chlorides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002 , 628, 2809-2814	1.3	4
46	Synthesis of Diisocyanate-Containing Thiophenes and Their Use in PDMS-Based Segmented Polymers. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 59-71	2.6	4
45	Influence of copper on the capacity of phosphorus-anodes in sodium-ion-batteries. <i>Journal of Solid State Chemistry</i> , 2019 , 270, 636-641	3.3	4
44	Copper Substitution and Mixed Cation Effect in $\text{Ag}_{10}\text{Te}_4\text{Br}_3$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 2379-2381	1.3	3
43	Silver(I)-(poly)chalcogenide Halides Ion and Electron High Potentials. <i>Zeitschrift Fur Physikalische Chemie</i> , 2010 , 224, 1505-1531	3.1	3
42	New arsenates (V) $\text{NaKAl}_2\text{O}[\text{AsO}_4]_2$ and $\text{Na}_2\text{KAl}_3[\text{AsO}_4]_4$. <i>Materials Research Bulletin</i> , 2010 , 45, 2017-2023	2.3	3
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