

# Tom Nilges

## 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.

157  
papers

4,094  
citations

29  
h-index

60  
g-index

227  
ext. papers

4,674  
ext. citations

5.4  
avg, IF

5.47  
L-index

#	Paper	IF	Citations
157	Ion Dynamics and Polymorphism in CuTeCl. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 15233-15241	5.1	1
156	Anisotropic moiré optical transitions in twisted monolayer/bilayer phosphorene heterostructures. <i>Nature Communications</i> , <b>2021</b> , 12, 3947	17.4	9
155	Ultrafast Photoconductivity and Terahertz Vibrational Dynamics in Double-Helix SnIP Nanowires. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100978	24	1
154	Bildungsmechanismen für Phosphoren und SnIP. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 6892-6899	3.6	
153	Formation Mechanisms for Phosphorene and SnIP. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 6816-6823	16.4	5
152	An Ordered Alite Cement Clinker Phase (Ca <sub>3</sub> SiO <sub>5</sub> , aP162) from Flux Synthesis. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2021</b> , 647, 2105	1.3	0
151	Toward Atomic-Scale Inorganic Double Helices via Carbon Nanotube Matrices. Induction of Chirality to Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 13338-13347	3.8	4
150	Red-phosphorus-impregnated carbon nanofibers for sodium-ion batteries and liquefaction of red phosphorus. <i>Nature Communications</i> , <b>2020</b> , 11, 2520	17.4	41
149	Vapor growth of binary and ternary phosphorus-based semiconductors into TiO <sub>2</sub> nanotube arrays and application in visible light driven water splitting. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 2881-2890	5.1	8
148	Vapor Deposition of Semiconducting Phosphorus Allotropes into TiO <sub>2</sub> Nanotube Arrays for Photoelectrocatalytic Water Splitting. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 3358-3367	5.6	17
147	CuTeCl: A Thermoelectric Compound with Low Thermal and High Electrical Conductivity. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 6222-6230	5.1	4
146	Hybrid Materials: Flexible and Ultrasoft Inorganic 1D Semiconductor and Heterostructure Systems Based on SnIP (Adv. Funct. Mater. 18/2019). <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1970120	15.6	
145	Synthesis, structure, and properties of rare-earth germanium sulfide iodides RE <sub>3</sub> Ge <sub>2</sub> S <sub>8</sub> I (RE = La, Ce, Pr). <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 274, 162-167	3.3	1
144	Flexible and Ultrasoft Inorganic 1D Semiconductor and Heterostructure Systems Based on SnIP. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900233	15.6	22
143	Understanding of magnetic ordering in Gd-rich compounds. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2019</b> , 75, 609	0.8	2
142	Influence of copper on the capacity of phosphorus-anodes in sodium-ion-batteries. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 270, 636-641	3.3	4
141	Structure and Bonding of La <sub>2</sub> NiBi. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2019</b> , 645, 340-3463	1	

140	Recent progress and developments in lithium cobalt phosphate chemistry- Syntheses, polymorphism and properties. <i>Journal of Power Sources</i> , <b>2018</b> , 382, 101-115	8.9	29
139	Expressway to partially oxidized phosphorene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 4311-4313	11.5	6
138	Electrospun-sodiumtetrafluoroborate-polyethylene oxide membranes for solvent-free sodium ion transport in solid state sodium ion batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 378, 610-617	8.9	32
137	Phase Segregation of Polymorphic Solid Ion Conducting Cu <sub>7</sub> PSe <sub>6</sub> during Thermoelectric Experiments. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2018</b> , 644, 1519-1524	1.3	6
136	Air-Stable Room-Temperature Mid-Infrared Photodetectors Based on hBN/Black Arsenic Phosphorus/hBN Heterostructures. <i>Nano Letters</i> , <b>2018</b> , 18, 3172-3179	11.5	87
135	Electrospun Li(TFSI)@Polyethylene Oxide Membranes as Solid Electrolytes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2018</b> , 644, 1863-1874	1.3	13
134	Phosphorus: The Allotropes, Stability, Synthesis, and Selected Applications <b>2018</b> , 1-18		3
133	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> , <b>2017</b> , 56, 2100-2107	5.1	35
132	Synthesis and characterization of metastable, 20 nm-sized Pna21-LiCoPO <sub>4</sub> nanospheres. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 248, 9-17	3.3	11
131	Particle size-controllable microwave-assisted solvothermal synthesis of the high-voltage cathode material LiCoPO <sub>4</sub> using water/ethylene glycol solvent blends. <i>Solid State Sciences</i> , <b>2017</b> , 65, 100-109	3.4	22
130	Inorganic SnIP-Type Double Helices in Main-Group Chemistry. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6452-6457	4.8	9
129	Inorganic Clathrates: A Polyhedron with 22 Vertices and up to Ninefold Coordinated Phosphorus Atoms. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3424-3425	16.4	1
128	Direct synthesis and characterization of mixed-valent Li <sub>0.5</sub> CoPO <sub>4</sub> , a Li-deficient derivative of the Cmcm polymorph of LiCoPO <sub>4</sub> . <i>RSC Advances</i> , <b>2017</b> , 7, 28069-28081	3.7	2
127	Synthesis, Characterization, and Device Application of Antimony-Substituted Violet Phosphorus: A Layered Material. <i>ACS Nano</i> , <b>2017</b> , 11, 4105-4113	16.7	20
126	Phosphor, von rot bis Doppelhelix. <i>Nachrichten Aus Der Chemie</i> , <b>2017</b> , 65, 430-433	0.1	
125	Morphology-controlled microwave-assisted solvothermal synthesis of high-performance LiCoPO <sub>4</sub> as a high-voltage cathode material for Li-ion batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 342, 214-223	8.9	32
124	A Chemical, High-Temperature Way to AgTe via Quasi-Topotactic Reaction of Stuetzite-type AgTe: Structural and Thermoelectric Properties. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 13930-13937	5.1	8
123	CoLi[(OH) <sub>2</sub> O][(POOH)(PO)], a Lithium-Stabilized, Mixed-Valent Cobalt(II,III) Hydroxide Phosphate Framework. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 10950-10961	5.1	6

122	Towards MXPn-Type Compounds in the Systems Ge-I-Pn (Pn = P, As) [New Insights in the Structures and Properties of Inverse Type I Clathrates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2017</b> , 643, 1444-1450]	1.3	2
121	NaP7Asx, Tuning of Electronic Properties in a Polypnictide and Heading towards Helical One-dimensional Semiconductors. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2017</b> , 643, 1881-1887	1.3	12
120	A yield-optimized access to double-helical SnIP via a Sn/SnI <sub>2</sub> approach. <i>Journal of Crystal Growth</i> , <b>2017</b> , 475, 341-345	1.6	7
119	Anorganische Clathrate: ein 22-Ecken-Polyeder mit bis zu neunfach koordiniertem Phosphor. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3474-3475	3.6	
118	Black Phosphorus Field-Effect Transistors with Work Function Tunable Contacts. <i>ACS Nano</i> , <b>2017</b> , 11, 7126-7133	16.7	40
117	Room temperature high-detectivity mid-infrared photodetectors based on black arsenic phosphorus. <i>Science Advances</i> , <b>2017</b> , 3, e1700589	14.3	269
116	Element allotropes and polyanion compounds of pnictogenes and chalcogenes: stability, mechanisms of formation, controlled synthesis and characterization. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2017</b> , 232, 91-105	1	5
115	Facile, ethylene glycol-promoted microwave-assisted solvothermal synthesis of high-performance LiCoPO <sub>4</sub> as a high-voltage cathode material for lithium-ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 82984-82994	3.7	26
114	Inorganic Double Helices in Semiconducting SnIP. <i>Advanced Materials</i> , <b>2016</b> , 28, 9783-9791	24	50
113	Polymorphism in Zintl Phases ACd4Pn3: Modulated Structures of NaCd4Pn3 with Pn = P, As. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 7764-76	5.1	4
112	Photoluminescence: Inorganic Double Helices in Semiconducting SnIP (Adv. Mater. 44/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 9782-9782	24	
111	Synthesis and characterization of Cu(II)-halide 1-methylimidazole complexes. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2016</b> , 71, 105-112	1	1
110	In Situ Studies and Magnetic Properties of the Cmcm Polymorph of LiCoPO <sub>4</sub> with a Hierarchical Dumbbell-Like Morphology Synthesized by Easy Single-Step Polyol Synthesis. <i>Inorganics</i> , <b>2016</b> , 4, 35	2.9	6
109	Synthesis and structure determinanition of the first lead arsenide phosphide Pb <sub>2</sub> As <sub>x</sub> P <sub>14-x</sub> (x ~ 3.7). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2016</b> , 71, 603-609	1	2
108	Metal ion displacements in noncentrosymmetric chalcogenides La <sub>3</sub> Ga <sub>1.67</sub> S <sub>7</sub> , La <sub>3</sub> Ag <sub>0.6</sub> Ga <sub>Ch</sub> 7 (Ch=S, Se), and La <sub>3</sub> MGaSe <sub>7</sub> (M=Zn, Cd). <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 243, 221-231	3.3	9
107	Energy science: Fast track for silver. <i>Nature</i> , <b>2016</b> , 536, 150-1	50.4	2
106	Synthesis of Diisocyanate-Containing Thiophenes and Their Use in PDMS-Based Segmented Polymers. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 59-71	2.6	4
105	Phosphorus Rich d10 Ion Polyphosphides and Selected Materials. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2015</b> , 641, 304-310	1.3	18

104	Black phosphorus gas sensors. <i>ACS Nano</i> , <b>2015</b> , 9, 5618-24	16.7	497
103	Low-activated Li-ion mobility and metal to semiconductor transition in CdP <sub>2</sub> @Li phases. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 6484-6491	13	7
102	One-Dimensional [P15](-) Tubes in Layered Semiconducting AgP15. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 10794-800	18	
101	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> , <b>2015</b> , 641, 1099-1105	13	6
100	Black Arsenic-Phosphorus: Layered Anisotropic Infrared Semiconductors with Highly Tunable Compositions and Properties. <i>Advanced Materials</i> , <b>2015</b> , 27, 4423-4429	24	282
99	Nitrogen-Doping in ZnO via Combustion Synthesis?. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4188-4195	9.6	21
98	Lithium transition metal pnictides Structural chemistry, electrochemistry, and function. <i>Reviews in Inorganic Chemistry</i> , <b>2015</b> , 35, 1-24	2.4	6
97	Synthesis, Structure, and Properties of NaP <sub>7</sub> , a Phosphorus-rich Polyphosphide. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2015</b> , 641, 1395-1399	13	10
96	Van der Waals interactions in selected allotropes of phosphorus. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2015</b> , 230,	1	50
95	Anodic Decomposition of Trimethylboroxine as Additive for High Voltage Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, A2255-A2261	3.9	22
94	Die erweiterte Stabilitätsreihe der Phosphorallotrope. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 11813-11817	3.6	30
93	Access and in situ growth of phosphorene-precursor black phosphorus. <i>Journal of Crystal Growth</i> , <b>2014</b> , 405, 6-10	1.6	249
92	Phospho-olivines as cathode materials for lithium ion battery: trends on microwave synthesis. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 480, 012018	0.3	1
91	Structure and Vibrational Analyses of LiP15. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 5135-5144	1.3	9
90	The extended stability range of phosphorus allotropes. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 11629-33	16.4	113
89	Zr <sub>4</sub> CuSb <sub>7</sub> A PbFCl-related Polyantimonide, and Structure Relations of Zirconium-Transition Metal Polyantimonides. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2014</b> , 69, 1124-1130	0	
88	Polyantimonides as anode materials in battery applications. <i>Progress in Solid State Chemistry</i> , <b>2014</b> , 42, 191-201	8	5
87	Temperature initiated P-polymerization in solid [Cd <sub>3</sub> Cu]CuP10. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 11895-9015.	1	7

86	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> , <b>2013</b> , 1, 5293	13	114
85	Synthesis and Phase Relations of Single-Phase Fibrous Phosphorus. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2013</b> , 639, 2741-2743	1.3	52
84	From Chalcogenides to Polychalcogenidehalides [First Identification in Mineral Samples. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2013</b> , 639, 2761-2766	1.3	
83	Comments on Peierls-distorted Indium Chains in In <sub>4</sub> Se <sub>3</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2013</b> , 639, 497-501	1.3	6
82	Zirconium Transition Metal (Poly)antimonides [Syntheses, Characterization and Electrochemical Properties. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2013</b> , 68, 979-986	1	1
81	Copper Substitution and Mixed Cation Effect in Ag <sub>10</sub> Te <sub>4</sub> Br <sub>3</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2013</b> , 639, 2379-2381	1.3	3
80	The use of the High-Temperature Gas-Balance (HTGB) for thermogravimetric measurements. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 110, 1511-1521	4.1	12
79	Cd <sub>4</sub> Cu <sub>7</sub> As, the first representative of a fully ordered, orthorhombically distorted MgCu <sub>2</sub> Laves phase. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 8119-27	5.1	23
78	Cu <sub>4</sub> , 87(6)Te <sub>3</sub> Br: Die erste A15-Phase im System Cu-Te-Br. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, 1629-1629	1.3	
77	Identification of Metastable States in Heterogeneous Phase Formation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, 1633-1633	1.3	
76	Mit DFT-Modellierungen zu neuen Polyanionenverbindungen. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, 1634-1634	1.3	
75	Synthese und Identifizierung metastabiler Verbindungen: schwarzes Arsen [Fiktion oder Wirklichkeit?. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 3049-3052	3.6	25
74	Synthesis and identification of metastable compounds: black arsenic--science or fiction?. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2994-7	16.4	93
73	The layered polyphosphide Ag <sub>3.73(4)</sub> Zn <sub>2.27(4)</sub> P <sub>16</sub> . <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, i91	2	
72	Festkörperchemie 2010. <i>Nachrichten Aus Der Chemie</i> , <b>2011</b> , 59, 246-253	0.1	
71	The Influence of d10-d10 Interactions in Ag <sub>5</sub> Te <sub>1.8</sub> Se <sub>0.2</sub> Cl and Ag <sub>5</sub> Te <sub>1.6</sub> Se <sub>0.4</sub> Cl on Structural and Thermoelectric Properties. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2011</b> , 66, 1005-1014	1	
70	A conceptional approach to materials for resistivity switching and thermoelectrics. <i>Solid State Sciences</i> , <b>2011</b> , 13, 944-947	3.4	15
69	Effects of partial anion substitution on the thermoelectric properties of silver(I) chalcogenide halides in the system Ag <sub>5</sub> Q <sub>2</sub> X with Q=Te, Se and S and X=Br and Cl. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 778-785	3.3	5

68	Cu(4.35)Cd(1.65)As(16): the first polyarsenic compound in the Cu-Cd-As system. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, i62	2
67	Reversible Property Switching, Thermoelectric Performance, and d10-d10 Interactions in Ag5Te2Cl. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 2946-2954	9.6 28
66	Silver(I)-(poly)chalcogenide Halides: Ion and Electron High Potentials. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2010</b> , 224, 1505-1531	3.1 3
65	Highly Dynamic Chalcogen Chains in Silver(I) (Poly)Chalcogenide Halides: a New Concept for Thermoelectrics?. <i>Journal of Electronic Materials</i> , <b>2010</b> , 39, 2096-2104	1.9 9
64	New arsenates (V) NaKAl2O[AsO4]2 and Na2KAl3[AsO4]4. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 2017-2023	3
63	Partial Anion Exchange in Ag23Te12X: The Solid Solutions Ag23Te12Cl1-xBrx, Ag23Te12Br1-yIy and Ag23Te12Cl1-zIz'. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2010</b> , 636, 297-304	1.3 9
62	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> , <b>2010</b> , 636, 15-18	1.3 5
61	Untersuchungen zur Bildung von schwarzem Arsen. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2010</b> , 636, 2046-2046	1.3 1
60	Phase Formation in the System Hg/P/I Induced by Evaporation Pressure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2010</b> , 636, 2070-2070	1.3
59	Chemical bonding and Mössbauer spectroscopic investigations on ternary polyphosphides AgSbP14, [Ag3Sn]P7 and [Au3Sn]P7. <i>Solid State Sciences</i> , <b>2009</b> , 11, 519-527	3.4 12
58	Pb5I2P28, \$^{1}\_{\{infty\}}rm [PbP_{14}]\{rm ^{2}\}\$ Strands Coordinated to a Unique [Pb3I2]4+ Unit. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2009</b> , 635, 307-311	1.3 6
57	[Cd3Cu]CuP10, [Cd3Cu] Cluster Stabilized in an Adamantane-Like Polyphosphide Substructure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2009</b> , 635, 667-673	1.3 7
56	Reversible switching between p- and n-type conduction in the semiconductor Ag10Te4Br3. <i>Nature Materials</i> , <b>2009</b> , 8, 101-8	27 85
55	The unique decomposition behavior of the dimeric dialkylaluminum hydrazide [(Me3C)2Al-N(H)-N(H)-Me]2-butane versus ammonia elimination. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 752-9	5.1 14
54	Crystal and electronic structure of La3Zn2-xP4. New phosphide with isolated P3 <sup>-</sup> species. <i>Solid State Sciences</i> , <b>2008</b> , 10, 1006-1011	3.4 13
53	Ternary phosphides Ce3Zn2-xP4 and Ce4Zn2-xP5. Stacking variants of CeP6 octahedra and ZnP4 tetrahedra. <i>Solid State Sciences</i> , <b>2008</b> , 10, 1480-1484	3.4 6
52	Silver(I) Chalcogenide Halides Ag19Te6Br7, Ag19Te6Br5.4I1.6, and Ag19Te5SeBr7. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 4080-4091	9.6 14
51	Crystal structures and thermal and electrical properties of the new silver (poly)chalcogenide halides Ag23Te12Cl and Ag23Te12Br. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 2625-33	5.1 22

50	Structures and Thermal Properties of Silver(I) (Poly)chalcogenide Halide Solid Solutions Ag <sub>10</sub> Te <sub>4</sub> (q, p)Q(q, p)Br <sub>3</sub> with Q = S, Se. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2008</b> , 63, 629-636	1	13
49	Structure Chemical Aspects of Silver(I) Chalcogenide Halides and Preparation of the x = 1 Member of the Solid Solution Ag <sub>5</sub> Te <sub>2</sub> Cl <sub>1-x</sub> Br <sub>x</sub> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2008</b> , 63, 1077-1082	1	11
48	Electrochemical Properties of Ag <sub>5</sub> Te <sub>2</sub> Cl <sub>0.8</sub> Br <sub>0.2</sub> , a Representative of the Solid Solutions Ag <sub>5</sub> Te <sub>2</sub> Cl <sub>1-x</sub> Br <sub>x</sub> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2008</b> , 63, 1083-1086	1	7
47	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> , <b>2008</b> , 634, 1339-1348	1.3	32
46	The Solid Solutions M <sub>19</sub> Q <sub>6</sub> X <sub>7</sub> with M = Ag, Cu; Q = S, Se, Te and X = S, Se, Te. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2008</b> , 634, 2185-2190	1.3	12
45	New Phosphides La <sub>5</sub> Zn <sub>2-x</sub> P <sub>6</sub> and Ce <sub>5</sub> Zn <sub>2-x</sub> P <sub>6</sub> [the n = 4 Members of the REZn <sub>2</sub> P <sub>2</sub> I <sub>n</sub> (REP) Series. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2008</b> , 634, 2885-2888	1.3	8
44	Neue Polyphosphide mit anisotropen Anionenteilstrukturen. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2008</b> , 634, 2012-2012	1.3	
43	Untersuchungen an Verbindungen der festen L <sup>ösung</sup> Ag <sub>5</sub> Te <sub>2</sub> Cl <sub>1-x</sub> Br <sub>x</sub> mit x = 0,2 und 1. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2008</b> , 634, 2062-2062	1.3	
42	Mineralization routes to polyphosphides: Cu <sub>2</sub> P <sub>20</sub> and Cu <sub>5</sub> InP <sub>16</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5654-7	16.4	46
41	Mineralisator-Konzept f <sup>ür</sup> Polyphosphide: Cu <sub>2</sub> P <sub>20</sub> und Cu <sub>5</sub> InP <sub>16</sub> . <i>Angewandte Chemie</i> , <b>2008</b> , 120, 5736-5739	1	22
40	A fast low-pressure transport route to large black phosphorus single crystals. <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 1707-1711	3.3	194
39	Au <sub>3</sub> SnP <sub>7</sub> @black phosphorus: an easy access to black phosphorus. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 4028-35	1	280
38	Polymorphism, Structural Frustration, and Electrical Properties of the Mixed Conductor Ag <sub>10</sub> Te <sub>4</sub> Br <sub>3</sub> . <i>Chemistry of Materials</i> , <b>2007</b> , 19, 1401-1410	9.6	37
37	Thiosilicate der Selten-Erd-Elemente: IV. Die quasi-isostrukturellen Verbindungen NaSm <sub>3</sub> S <sub>3</sub> [SiS <sub>4</sub> ], CuCe <sub>3</sub> S <sub>3</sub> [SiS <sub>4</sub> ], Ag <sub>0.63</sub> Ce <sub>3</sub> S <sub>2.63</sub> Cl <sub>0.37</sub> [SiS <sub>4</sub> ] und Sm <sub>3</sub> S <sub>2</sub> Cl[SiS <sub>4</sub> ] [Synthese, Kristallstruktur und Untersuchungen zur Silberionendynamik. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2007</b> , 62, 915-916]	1.3	20
36	Ag <sub>10</sub> Te <sub>4</sub> Br <sub>3-x</sub> Cl <sub>x</sub> and Ag <sub>10</sub> Te <sub>4</sub> Br <sub>3-y</sub> I <sub>y</sub> : Structural and Electrical Property Tuning of a Mixed Conductor by Partial Anion Substitution. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2007</b> , 62, 955-964	1	20
35	Synthesis and Structure of Sr <sub>2</sub> Pd <sub>2</sub> In and Sr <sub>2</sub> Pt <sub>2</sub> In. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2007</b> , 62, 1563-1566	1	10
34	Li <sub>7</sub> B <sub>7</sub> Se <sub>15</sub> : A novel selenoborate with a zeolite-like polymeric anion structure. <i>Solid State Sciences</i> , <b>2006</b> , 8, 764-772	3.4	2
33	La(OH) <sub>2</sub> I(H <sub>2</sub> O): Closing a Gap in Rare Earth Hydroxide Halide Structural Chemistry. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2006</b> , 61, 117-122	1	4

32	Silver ion dynamics in the Ag <sub>5</sub> Te <sub>2</sub> Cl-polymorphs revealed by solid state NMR lineshape and two- and three-time correlation spectroscopies. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 369-78	3.6	27
31	Ag <sub>10</sub> Te <sub>4</sub> Br <sub>3</sub> : A New Silver(I) (poly)Chalcogenide Halide Solid Electrolyte. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 2538-2544	9.6	44
30	Ag <sub>3</sub> SnCuP <sub>10</sub> : [Ag <sub>3</sub> Sn] tetrahedra embedded between adamantane-type [P <sub>10</sub> ] cages. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 5878-85	5.1	17
29	Au <sub>3</sub> SnCuP <sub>10</sub> and Au <sub>3</sub> SnP <sub>7</sub> : Preparation and Crystal Structures of Au <sub>3</sub> Sn Heterocluster Polyphosphides. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2006</b> , 61, 871-881 <sup>1</sup>	17	
28	A New Preparative Approach to HgPbP <sub>14</sub> Structure Type Materials: Crystal Structure of Cu <sub>0.73(1)</sub> Sn <sub>1.27(1)</sub> P <sub>14</sub> and Characterization of M <sub>1-x</sub> Sn <sub>1+x</sub> P <sub>14</sub> (M = Cu, Ag) and AgSbP <sub>14</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2006</b> , 632, 195-203	1.3	13
27	The Stannides AuNiSn <sub>2</sub> and AuCuSn <sub>2</sub> Bulk Synthesis and Superstructure Determination. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2006</b> , 632, 1163-1166	1.3	11
26	<sup>119</sup> Sn Mössbauer Spectroscopy and Chemical Bonding in AuTSn <sub>2</sub> (T = Ni, Cu, Pd). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2006</b> , 632, 1432-1436	1.3	8
25	Dimorphic CeZnPO and PrZnPO. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2006</b> , 632, 1804-1808	31	
24	Variation der Silber-Mobilität und Polymorphie in Silber(I)-polychalkogenid-halogeniden. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2006</b> , 632, 2088-2088	1.3	1
23	CuSnP <sub>14</sub> und AgSbP <sub>14</sub> : Struktur-chemische Aspekte und Betrachtungen zur chemischen Bindung. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2006</b> , 632, 2097-2097	1.3	0
22	M <sub>3</sub> SnCuP <sub>10</sub> und M <sub>3</sub> SnP <sub>7</sub> (M = Ag, Au): Neue [M <sub>3</sub> Sn] Heterocluster Polyphosphide. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2006</b> , 632, 2098-2098	1.3	
21	Struktur und optische Eigenschaften von LnZnPO (Ln = Y, LaPr, Gd). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2006</b> , 632, 2110-2110	1.3	
20	A structural differentiation of quaternary copper argyrodites: Structure-Property relations of high temperature ion conductors. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2005</b> , 220,	1	74
19	On the Solid Solutions Eu <sub>1-x</sub> Pt <sub>2</sub> In <sub>x</sub> , Gd <sub>1-x</sub> Pt <sub>2</sub> In <sub>x</sub> , and Tm <sub>1-x</sub> Ni <sub>2</sub> In <sub>x</sub> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2005</b> , 60, 393-397	1	7
18	Structures, phase transitions and electrical properties of Ag <sub>5</sub> Te <sub>2-y</sub> SeyCl (y=0.0-0.7). <i>Solid State Sciences</i> , <b>2005</b> , 7, 79-88	3.4	25
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16	LixH <sub>12-x</sub> y+z[P <sub>12</sub> O <sub>y</sub> N <sub>24-y</sub> ]Xz (X = Cl, Br) - Oxonitridophosphate mit NPO-Zeolithstruktur. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2004</b> , 630, 2205-2217	1.3	34
15	Ag <sub>5</sub> Te <sub>2-y</sub> SeyCl und Ag <sub>5</sub> Te <sub>2</sub> Cl <sub>1-x</sub> Br <sub>x</sub> : Struktur-Eigenschaftsvariationen durch Anionenaustausch. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2004</b> , 630, 1749-1749	1.3	5

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10	The elusive aldol reaction of enolates with aldolates--a highly stereoselective process using three different carbonyl components. <i>Chemical Communications</i> , <b>2003</b> , 34-5	5.8	3
9	Strukturchemische und spektroskopische Untersuchungen an CuClSe2Tex Phasen. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2002</b> , 628, 2203-2203	1.3	1
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7	Preparation, structural, Raman and impedance spectroscopic characterisation of the silver ion conductor (AgI)2Ag3SbS3. <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 5888-5894	3.6	19
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