

# Wolfgang Schnick

## 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.

512  
papers

18,018  
citations

59  
h-index

116  
g-index

673  
ext. papers

19,791  
ext. citations

5  
avg, IF

7.03  
L-index

#	Paper	IF	Citations
512	Nitridic Analogs of Micas $\text{AESi}_3\text{P}_4\text{N}_{10}(\text{NH})_2$ (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	
511	Comprehensive Band Gap and Electronic Structure Investigations of the Prominent Phosphors $\text{M}_2\text{Si}_5\text{N}_8:\text{Eu}^{2+}$ (M = Ca, Sr, Ba) Determined Using Soft X-ray Spectroscopy and Density Functional Theory. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 25799-25806	3.8	0
510	Nitridic Analogs of Micas $\text{AESi}_3\text{P}_4\text{N}_{10}(\text{NH})_2$ (AE=Mg, Mg Ca, Ca, Sr). <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 61, e202114902	16.4	0
509	$\text{Eu}_3\text{Be}_2\text{N}_{16}\text{O}$ : A Highly Condensed Oxonitridoberyllate. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 4979	2.3	0
508	Synthesis of the scandium chloride hydrates $\text{ScCl}_3 \cdot 3\text{H}_2\text{O}$ and $\text{Sc}_2\text{Cl}_4(\text{OH})_2 \cdot 12\text{H}_2\text{O}$ and their characterisation by X-ray diffraction, $^{45}\text{Sc}$ NMR spectroscopy and DFT calculations. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2021</b> , 76, 217-225	1	3
507	Unraveling the Energy Levels of $\text{Eu}^{2+}$ Ions in $\text{MBe}_2\text{N}_{14}:\text{Eu}^{2+}$ (M = Sr, Ba) Phosphors. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 11828-11837	3.8	3
506	Synthesis of Nitride Zeolites in a Hot Isostatic Press. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 4470-4473	16.4	4
505	Synthesis of Nitride Zeolites in a Hot Isostatic Press. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 4520-4523	3.6	
504	The Potential of Nitride Materials. <i>Springer Series in Materials Science</i> , <b>2021</b> , 13-25	0.9	
503	Ammonothermal Materials. <i>Springer Series in Materials Science</i> , <b>2021</b> , 329-336	0.9	
502	Electronic properties of semiconducting $\text{Zn}(\text{Si},\text{Ge},\text{Sn})\text{N}_2$ alloys. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	3
501	High-Pressure High-Temperature Synthesis of Mixed Nitridosilicatephosphates and Luminescence of $\text{AESi}_3\text{P}_4\text{N}_{10}:\text{Eu}$ (AE=Sr, Ba). <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 4461-4465	4.8	4
500	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
499	High-Pressure Synthesis of $\text{Sc}_3\text{P}_2\text{N}_7\text{O}$ and $\text{Ti}_3\text{P}_2\text{N}_7\text{O}$ by Activation of the Binary Nitrides $\text{ScN}$ and $\text{TiN}$ with $\text{NH}_3$ . <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 14184-14188	4.8	4
498	Explorative Synthesis of Novel Nitride Compounds by Ammonothermal Synthesis. <i>Springer Series in Materials Science</i> , <b>2021</b> , 205-225	0.9	
497	Detecting a Hierarchy of Deep-Level Defects in the Model Semiconductor $\text{ZnSiN}_2$ . <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 27959-27965	3.8	1
496	Electronic structure investigation of wide band gap semiconductors-MgPN and ZnPN: experiment and theory. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 405504	1.8	1

495	Understanding of Luminescence Properties Using Direct Measurements on Eu <sup>2+</sup> -Doped Wide Bandgap Phosphors. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000504	8.1	10
494	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
493	High-Pressure Synthesis of Cyclic Phosphazenes by Near-UV Photoinduced Reactivity of NH <sub>3</sub> and Elemental Phosphorus. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 4308-4319	3.8	0
492	Ammonothermal Synthesis of Ba <sub>2</sub> PO <sub>3</sub> N [An Oxonitridophosphate with Non-Condensed PO <sub>3</sub> N Tetrahedra. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 841-846	2.3	7
491	Nitridophosphate-Based Ultra-Narrow-Band Blue-Emitters: Luminescence Properties of AEP N :Eu (AE=Ca, Sr, Ba). <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 7292-7298	4.8	12
490	Synthesis and Crystal Structure of the Strontium Beryllate Sr <sub>3</sub> Be <sub>2</sub> O <sub>5</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2020</b> , 646, 103-105	1.3	0
489	Nitride Spinel: An Ultraincompressible High-Pressure Form of BeP <sub>2</sub> N <sub>4</sub> . <i>Angewandte Chemie</i> , <b>2020</b> , 132, 2752-2756	3.6	2
488	Nitride Spinel: An Ultraincompressible High-Pressure Form of BeP N. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 2730-2734	16.4	7
487	Crystalline Nitridophosphates by Ammonothermal Synthesis. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 2067-2072	4.8	12
486	Illuminating Nitridoberylaluminates: The Highly Efficient Red-Emitting Phosphor Sr <sub>2</sub> [BeAl <sub>3</sub> N <sub>5</sub> ]:Eu <sup>2+</sup> . <i>Chemistry of Materials</i> , <b>2020</b> , 32, 6611-6617	9.6	10
485	HIP to be Square: Simplifying Nitridophosphate Synthesis in a Hot Isostatic Press. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 18397-18400	3.6	7
484	HIP to be Square: Simplifying Nitridophosphate Synthesis in a Hot Isostatic Press. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 18240-18243	16.4	7
483	Ammonothermal Synthesis and Crystal Growth of the Chain-type Oxonitridosilicate Ca <sub>1+x</sub> Y <sub>1-x</sub> Si <sub>3</sub> O <sub>x</sub> (x > 0). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2020</b> , 646, 1539-1544	1.3	
482	Post-Synthetic Modification: Systematic Study on a Simple Access to Nitridophosphates. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 23785-23788	3.6	2
481	Post-Synthetic Modification: Systematic Study on a Simple Access to Nitridophosphates. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 23579-23582	16.4	5
480	Sr P N : Complementary Approach by Ammonothermal and High-Pressure Syntheses. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 6257-6263	4.8	13
479	Facile One-step Synthesis of Zn <sub>1-x</sub> Mn <sub>x</sub> SiN <sub>2</sub> Nitride Semiconductor Solid Solutions via Solid-state Metathesis Reaction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2020</b> , 646, 228-233	1.3	6
478	Melamium Thiocyanate Melam, a Melamium Salt with Disordered Anion Sites. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2019</b> , 645, 840-847	1.3	

- 477 Ammonothermal Crystal Growth of ATaN<sub>2</sub> with A = Na, K, Rb, and Cs and Their Optical and Electronic Properties. *Crystal Growth and Design*, **2019**, 19, 3484-3490 3.5 1
- 476 Quaternary Core-Shell Oxynitride Nanowire Photoanode Containing a Hole-Extraction Gradient for Photoelectrochemical Water Oxidation. *ACS Applied Materials & Interfaces*, **2019**, 11, 19077-19086 9.5 25
- 475 From Heptazines to Triazines [On the Formation of Poly(triazine imide)]. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2019**, 645, 857-862 1.3 20
- 474 Ab initio exploration and prediction of AE-containing nitrido(litho/magneso)tetrelates (AE = Ca, Sr; Tt = Si, Ge) with [SiN] or [GeN] units. *Dalton Transactions*, **2019**, 48, 8671-8677 4.3 0
- 473 Ammelinium Sulfate Monohydrate and Ammelinium Sulfate Cyanuric Acid [Synthesis and Structural Characterization. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2019**, 645, 848-856 1.3
- 472 Boron Phosphorus Nitride at Extremes: PN Octahedra in the High-Pressure Polymorph [BP N. *Angewandte Chemie - International Edition*, **2019**, 58, 9060-9063 16.4 7
- 471 Boron Phosphorus Nitride at Extremes: PN<sub>6</sub> Octahedra in the High-Pressure Polymorph [BP<sub>3</sub>N<sub>6</sub>. *Angewandte Chemie*, **2019**, 131, 9158-9161 3.6 6
- 470 Structure Elucidation of a Melam-Melem Adduct by a Combined Approach of Synchrotron X-ray Diffraction and DFT Calculations. *Chemistry - A European Journal*, **2019**, 25, 8415-8424 4.8 6
- 469 Nitridophosphate [eine Erfolgsgeschichte der Nitridsynthese. *Angewandte Chemie*, **2019**, 131, 8015-8023 3.6 16
- 468 Nitridophosphates: A Success Story of Nitride Synthesis. *Angewandte Chemie - International Edition*, **2019**, 58, 7933-7944 16.4 24
- 467 MBe<sub>20</sub>N<sub>14</sub>:Eu<sup>2+</sup> (M = Sr, Ba): Highly Condensed Nitridoberyllates with Exceptional Highly Energetic Eu<sup>2+</sup> Luminescence. *Chemistry of Materials*, **2019**, 31, 3174-3182 9.6 16
- 466 Ammonothermal Synthesis of the Mixed-Valence Nitrogen-Rich Europium Tantalum Ruddlesden-Popper Phase EuII EuIII<sub>2</sub>Ta<sub>2</sub>N<sub>4</sub>O<sub>3</sub>. *European Journal of Inorganic Chemistry*, **2019**, 2019, 2304-2311 2.3 15
- 465 High-pressure synthesis of ultraincompressible hard rhenium nitride pernitride Re(N)(N) stable at ambient conditions. *Nature Communications*, **2019**, 10, 2994 17.4 40
- 464 Microwave Synthesis of a Prominent LED Phosphor for School Students: Chemistry's Contribution to Sustainable Lighting. *Journal of Chemical Education*, **2019**, 96, 3018-3024 2.4 1
- 463 The Long-Periodic Loop-Branched Chain Structure of the Oxonitridophosphate La P O N , Elucidated by a Combination of TEM and Microfocused Synchrotron Radiation. *Chemistry - A European Journal*, **2019**, 25, 14382-14387 4.8 3
- 462 Solid Solutions of Grimm-Sommerfeld Analogous Nitride Semiconductors II-IV-N (II=Mg, Mn, Zn; IV=Si, Ge): Ammonothermal Synthesis and DFT Calculations. *Chemistry - A European Journal*, **2019**, 25, 15887-15895 4.8 10
- 461 Berichtigung: Fe<sub>2</sub>Si<sub>5</sub>N<sub>8</sub>: Access to Open-Shell Transition-Metal Nitridosilicates. *Angewandte Chemie*, **2019**, 131, 10506-10506 3.6 5
- 460 Synthesis of RE<sub>6</sub>[Ca<sub>1.5</sub>Si<sub>11</sub>N<sub>20</sub>O (RE = Yb, Lu; x [2.2) with Lu<sub>6</sub>[Ca<sub>1.5</sub>Si<sub>11</sub>N<sub>20</sub>O:Ce<sup>3+</sup> Offering Interesting Spectral Properties for Yellow-Emitting Phosphors in 1pcLEDs. *European Journal of Inorganic Chemistry*, **2019**, 2019, 4985-4993 2.3 1

459	Y <sub>23</sub> Sr <sub>17</sub> [Si <sub>38</sub> O <sub>18</sub> N <sub>67</sub> ]O <sub>9</sub> [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
458	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
457	Rivalry under Pressure: The Coexistence of Ambient-Pressure Motifs and Close-Packing in Silicon Phosphorus Nitride Imide SiP N NH. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 3398-3401	16.4	5
456	Rivalry under Pressure: The Coexistence of Ambient-Pressure Motifs and Close-Packing in Silicon Phosphorus Nitride Imide SiP <sub>2</sub> N <sub>4</sub> NH. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 3436-3439	3.6	4
455	Open-Shell 3d Transition Metal Nitridophosphates M <sub>2</sub> IP <sub>8</sub> N <sub>14</sub> (MII=Fe, Co, Ni) by High-Pressure Metathesis. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4733-4737	3.6	6
454	Open-Shell 3d Transition Metal Nitridophosphates M <sub>2</sub> P <sub>2</sub> N <sub>2</sub> (M =Fe, Co, Ni) by High-Pressure Metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4685-4689	16.4	8
453	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
452	Ammonothermal Synthesis of Nitrides: Recent Developments and Future Perspectives. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11864-11879	4.8	35
451	Stishovite's Relative: A Post-Coesite Form of Phosphorus Oxonitride. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6801-6805	3.6	2
450	Stishovite's Relative: A Post-Coesite Form of Phosphorus Oxonitride. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6691-6695	16.4	5
449	Luminescence of an Oxonitridoberyllate: A Study of Narrow-Band Cyan-Emitting Sr[Be <sub>6</sub> ON <sub>4</sub> ]:Eu <sup>2+</sup> . <i>Chemistry of Materials</i> , <b>2018</b> , 30, 3122-3130	9.6	53
448	Sr[BeSi N]:Eu /Ce and Eu[BeSi N]: Nontypical Luminescence in Highly Condensed Nitridoberyllosilicates. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 7243-7249	4.8	15
447	Accessing Tetravalent Transition-Metal Nitridophosphates through High-Pressure Metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 3192-3195	16.4	8
446	Synthesis and Structure of Melamium Bromide C <sub>6</sub> N <sub>11</sub> H <sub>10</sub> Br and Melamium Iodide C <sub>6</sub> N <sub>11</sub> H <sub>10</sub> I. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2018</b> , 644, 186-192	1.3	4
445	Oxonitridosilicate Oxides REBa[SiON]O:Eu (RE = Y, Tb) with a Unique Layered Structure and Orange-Red Luminescence for RE = Y. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 2242-2248	5.1	7
444	Fe Si N : Access to Open-Shell Transition-Metal Nitridosilicates. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2409-2412	16.4	12
443	Tunable Red Luminescence in Nitridomagnesoaluminates [Sr <sub>2</sub> [MgAl <sub>5</sub> N <sub>7</sub> ]:Eu <sup>2+</sup> , [Sr <sub>2</sub> [MgAl <sub>5</sub> N <sub>7</sub> ]:Eu <sup>2+</sup> , and Sr <sub>8</sub> [LiMg <sub>2</sub> Al <sub>21</sub> N <sub>28</sub> ]:Eu <sup>2+</sup> . <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1755-1761	9.6	20
442	HP-CaSiN <sub>2</sub> [A New High-Pressure Modification. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 1107-1113	2.3	1

441	Ammonothermal Synthesis and Optical Properties of Ternary Nitride Semiconductors Mg-IV-N, Mn-IV-N and Li-IV-N (IV=Si, Ge). <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1686-1693	4.8	27
440	Accessing Tetravalent Transition-Metal Nitridophosphates through High-Pressure Metathesis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 3246-3249	3.6	5
439	Fe <sub>2</sub> Si <sub>5</sub> N <sub>8</sub> : Access to Open-Shell Transition-Metal Nitridosilicates. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2433-2436	3.6	10
438	Narrow-Band Yellow-Orange Emitting La <sub>3</sub> Ca <sub>1.5</sub> Si <sub>6</sub> N <sub>11</sub> :Eu <sup>2+</sup> (x 0.77): A Promising Phosphor for Next-Generation Amber pLEDs. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 3552-3558	9.6	37
437	High-Pressure Metathesis of the MPON (x 0.05) and MPO (M = Zr, Hf) Orthophosphates. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 4164-4170	5.1	5
436	LiPrPNO: Structural Diversity of Oxonitridophosphates Accessed by High-Pressure Metathesis. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 4189-4195	5.1	2
435	Structural variations in indium tin tellurides and their thermoelectric properties. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 258, 289-297	3.3	1
434	Li Ion Conductors with Adamantane-Type Nitridophosphate Anions [Li <sub>3</sub> P <sub>3</sub> N <sub>3</sub> and Li <sub>3</sub> P <sub>3</sub> N <sub>3</sub> X with X=Cl, Br. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 196-205	4.8	17
433	Oxoberyllates SrBeO and Sr Be O as Novel Host Materials for Eu Luminescence. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 12678-12685	4.8	10
432	Ammonothermal Synthesis, Optical Properties, and DFT Calculations of Mg PN and Zn PN. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 13963-13970	4.8	23
431	Unprecedented Deep-Red Ce <sup>3+</sup> Luminescence of the Nitridolithosilicates Li <sub>38.7</sub> RE <sub>3.3</sub> Ca <sub>5.7</sub> [Li <sub>2</sub> Si <sub>30</sub> N <sub>59</sub> ]O <sub>2</sub> F (RE = La, Ce, Y). <i>Chemistry of Materials</i> , <b>2018</b> , 30, 5500-5506	9.6	20
430	SrH <sub>3</sub> P <sub>3</sub> N <sub>3</sub> and SrP <sub>3</sub> N <sub>3</sub> : Insights into the Condensation Mechanism of Nitridophosphates under High Pressure. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 15889-15896	4.8	13
429	United in Nitride: The Highly Condensed Boron Phosphorus Nitride BP <sub>3</sub> N <sub>6</sub> . <i>Angewandte Chemie</i> , <b>2018</b> , 130, 13386-13389	3.6	13
428	United in Nitride: The Highly Condensed Boron Phosphorus Nitride BP <sub>3</sub> N <sub>6</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 13202-13205	16.4	19
427	Reversible Polymerization of Adamantane-type [P <sub>3</sub> N <sub>3</sub> ] Anions to Honeycomb-type [P <sub>3</sub> N <sub>3</sub> ] Layers under High-Pressure. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 736-742	4.8	7
426	Orange-Emitting LiSr[SiON]O:Eu-a Layered Lithium Oxonitridosilicate Oxide. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14304-14313	5.1	3
425	Targeting Vacancies in Nitridosilicates: Aliovalent Substitution of M <sup>2+</sup> (M=Ca, Sr) by Sc <sup>3+</sup> and U <sup>3+</sup> . <i>Angewandte Chemie</i> , <b>2018</b> , 131, 850	3.6	
424	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	0

423	Tailoring Emission Characteristics: Narrow-Band Red Luminescence from SLA to CaBa[Li <sub>2</sub> Al <sub>6</sub> N <sub>8</sub> ]:Eu <sup>2+</sup> . <i>Chemistry of Materials</i> , <b>2018</b> , 30, 7885-7891	9.6	22
422	Ammonothermal Synthesis of EAMO <sub>2</sub> N (EA = Sr, Ba; M = Nb, Ta) Perovskites and 14N Solid-State NMR Spectroscopic Investigations of AM(O,N) <sub>3</sub> (A = Ca, Sr, Ba, La). <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 5019-5026	2.3	12
421	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
420	SrP N NH: A Framework-Type Imidonitridophosphate Featuring Structure-Directing Hydrogen Bonds. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 14275-14281	4.8	5
419	Ultra-Narrow-Band Blue-Emitting Oxoberyllates AELi [Be O ]:Eu (AE=Sr,Ba) Paving the Way to Efficient RGB pc-LEDs. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8739-8743	16.4	58
418	Ultra-Narrow-Band Blue-Emitting Oxoberyllates AELi <sub>2</sub> [Be <sub>4</sub> O <sub>6</sub> ]:Eu <sup>2+</sup> (AE=Sr,Ba) Paving the Way to Efficient RGB pc-LEDs. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8875-8879	3.6	18
417	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
416	Luminescence of the Narrow-Band Red Emitting Nitridomagnesosilicate Li <sub>2</sub> (Ca <sub>1-x</sub> Sr <sub>x</sub> ) <sub>2</sub> [Mg <sub>2</sub> Si <sub>2</sub> N <sub>6</sub> ]:Eu <sup>2+</sup> (x = 0.06). <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1377-1383	9.6	68
415	LiCa <sub>4</sub> Si <sub>4</sub> N <sub>8</sub> F and LiSr <sub>4</sub> Si <sub>4</sub> N <sub>8</sub> F: Nitridosilicate Fluorides with a BCT-Zeolite-Type Network Structure. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 1107-1112	2.3	1
414	Antiperovskite Nitridophosphate Oxide Ho <sub>3</sub> [PN <sub>4</sub> ]O by High-Pressure Metathesis. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 1930-1937	2.3	13
413	First-principles and experimental characterization of the electronic properties of CaGaSiN and CaAlSiN: the impact of chemical disorder. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 9292-9299	3.6	9
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313	Ba <sub>6</sub> P <sub>12</sub> N <sub>17</sub> O <sub>9</sub> Br <sub>3</sub> [A] 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
312	High-pressure synthesis and characterization of the alkali diazenide Li <sub>2</sub> N <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1873-5	16.4	24
311	Ca <sub>2</sub> Ga <sub>3</sub> MgN <sub>5</sub> [A] Highly Condensed Nitridogallate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, n/a-n/a	1.3	4
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309	Synthesis of alkaline earth diazenides M(AE)N <sub>2</sub> (M(AE) = Ca, Sr, Ba) by controlled thermal decomposition of azides under high pressure. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 2366-73	5.1	41
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306	Hochkondensierte Nitridogallate als Wirtsgitter für Eu <sup>2+</sup> -Dotierung. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, 1589-1589	1.3	7
305	Unerwartete Lumineszenz-Eigenschaften von 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> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, 1589-1589	1.3	
304	Ba <sub>3</sub> Ga <sub>3</sub> N <sub>5</sub> [A] Novel Host Lattice for Eu <sup>2+</sup> -Doped Luminescent Materials with Unexpected Nitridogallate Substructure. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 402-407	9.6	45
303	Formation of Cocrystals between Alkali Triazine Tricarboxylates and Cyanuric Acid [Reactivity Considerations and Structural Characterization of the Adduct Phases M <sub>3</sub> [C <sub>3</sub> N <sub>3</sub> (CO <sub>2</sub> ) <sub>3</sub> ][C <sub>3</sub> N <sub>3</sub> O <sub>3</sub> H <sub>3</sub> ][H <sub>2</sub> O (M = K, Rb). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, 99-99	1.3	3
302	Investigation of the Hydrolysis Stability of Triazine Tricarboxylate in the Presence of Transition Metal(II) Ions and Synthesis and Crystal Structure of the Alkaline Earth Triazine Tricarboxylates M <sub>3</sub> [C <sub>3</sub> N <sub>3</sub> (CO <sub>2</sub> ) <sub>3</sub> ] <sub>2</sub> ·2H <sub>2</sub> O (M = Sr, Ba). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, 345-351	1.3	
301	Li <sub>2</sub> Sr <sub>4</sub> Al <sub>2</sub> Ta <sub>2</sub> N <sub>8</sub> O, a Nitridoalumotantalate with BCT-Zeolite Type Structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, 352-356	1.3	4
300	LiLa <sub>5</sub> Si <sub>4</sub> N <sub>10</sub> O and LiPr <sub>5</sub> Si <sub>4</sub> N <sub>10</sub> O [Chain-Type Oxonitridosilicates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, 94-97	1.3	6
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297	Reversible high-pressure phase transition in LaN. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 093503	2.5	19
296	Luminescence tuning of MOFs via ligand to metal and metal to metal energy transfer by co-doping of 2[Gd <sub>2</sub> Cl <sub>6</sub> (bipy) <sub>3</sub> ]2bipy with europium and terbium. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 10179		101
295	Rare-Earth Melonates LnC <sub>6</sub> N <sub>7</sub> (NCN) <sub>3</sub> ·xH <sub>2</sub> O (Ln = La, Ce, Pr, Nd, Sm, Eu, Tb; x = 8-12): Synthesis, Crystal Structures, Thermal Behavior, and Photoluminescence Properties of Heptazine Salts with Trivalent Cations. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 1832-1839	2.3	8
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293	BaSi <sub>4</sub> O <sub>6</sub> N <sub>2</sub> ⌈ Hexacelsian-Type Layered Oxonitridosilicate. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 3923-3928	2.3	5
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133	LixH <sub>12-x-y+z</sub> [P <sub>12</sub> O <sub>y</sub> N <sub>24-y</sub> ]Clz--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
132	High-temperature synthesis, single-crystal X-ray structure determination and solid-state NMR investigations of Ba <sub>7</sub> [SiO <sub>4</sub> ][BO <sub>3</sub> ] <sub>3</sub> CN and Sr <sub>7</sub> [SiO <sub>4</sub> ][BO <sub>3</sub> ] <sub>3</sub> CN. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 174, 221-228	3.3	10
131	Investigation of structural and dynamic properties of NH <sub>4</sub> [N(CN) <sub>2</sub> ] by means of X-ray and neutron powder diffraction as well as vibrational and solid-state NMR spectroscopy. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 176, 180-191	3.3	28
130	Synthese und Kristallstruktur von bis-1, 3-Dimethoxyethan-trichloro-samarium(III) und tris-N, N-Diisopropylcarbamato-samarium(III). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2003</b> , 629, 2073-2078	1.3	12
129	Oligonary Nitrides and Oxonitrides of Si, P, Al, and B in Combination with Rare Earth or Transition Metals as well as Molecular Precursor Compounds with Nitrido Bridges M-N-Si (M = Ti, Zr, Hf, W, Sn). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2003</b> , 629, 902-912	1.3	15
128	Melem (2,5,8-triamino-tri-s-triazine), an important intermediate during condensation of melamine rings to graphitic carbon nitride: synthesis, structure determination by X-ray powder diffractometry, solid-state NMR, and theoretical studies. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 12322-12328	16.4	805
127	Synthesis, crystal structure determination from X-ray powder diffractometry and vibrational spectroscopy of the tricyanomelaminat monohydrates M <sub>3</sub> [C <sub>6</sub> N <sub>9</sub> ][H <sub>2</sub> O] (M=K, Rb). <i>Solid State Sciences</i> , <b>2002</b> , 4, 1305-1311	3.4	33
126	Synthesis, crystal structure, vibrational spectroscopy, and thermal behaviour of lead dicyanamide Pb[N(CN) <sub>2</sub> ] <sub>2</sub> . <i>Solid State Sciences</i> , <b>2002</b> , 4, 821-825	3.4	51
125	Reaktion von Bis(trimethylsilylamino)dichlorsilan mit Titan-tetrachlorid - Synthese und Kristallstruktur von [EtTiCl <sub>2</sub> N(SiMe <sub>3</sub> )SiCl <sub>2</sub> NH <sub>2</sub> ] <sub>2</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2002</b> , 628, 373-376	1.3	2
124	Synthese und Kristallstruktur des ersten Oxonitridoborates [Br <sub>3</sub> [B <sub>3</sub> O <sub>3</sub> N <sub>3</sub> ]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2002</b> , 628, 1192	1.3	14
123	Multianvil-Synthese, Pulver-Röntgenstrukturanalyse, <sup>31</sup> P-MAS-NMR- und FTIR-Spektroskopie sowie Materialeigenschaften von P <sub>3</sub> N <sub>5</sub> , einer Hochdruckphase von binärem Phosphor(V)-nitrid mit verzerrt quadratischen PN <sub>5</sub> -Pyramiden und PN <sub>4</sub> -Tetraedern. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2002</b> , 628, 1465	1.3	32
122	A density functional study of phosphorus nitride P <sub>3</sub> N <sub>5</sub> : refined geometries, properties, and relative stability of alpha-P <sub>3</sub> N <sub>5</sub> and gamma-P <sub>3</sub> N <sub>5</sub> and a further possible high-pressure phase delta-P <sub>3</sub> N <sub>5</sub> with kyanite-type structure. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 3530-7	4.8	40
121	Synthesis, Crystal Structure, Magnetism, and Optical Properties of Gd <sub>3</sub> [SiON <sub>3</sub> ] <sub>2</sub> O <sub>n</sub> Oxonitridosilicate Oxide with Noncondensed SiON <sub>3</sub> Tetrahedra. <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 167, 393-401	3.3	7
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119	Transformation of ammonium dicyanamide into dicyandiamide in the solid. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 4849-51	5.1	40
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117	Vibrational analysis of $\text{Ag}_3(\text{PO}_2\text{NH})_3$ , $\text{Na}_3(\text{PO}_2\text{NH})_3 \times \text{H}_2\text{O}$ , $\text{Na}_3(\text{PO}_2\text{NH})_3 \times 4\text{H}_2\text{O}$ ,. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2001</b> , 57A, 959-69	4.4	3
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115	Syntheses, Vibrational Spectroscopy, and Crystal Structure Determination from X-Ray Powder Diffraction Data of Alkaline Earth Dicyanamides $\text{M}[\text{N}(\text{CN})_2]_2$ with $\text{M}=\text{Mg}$ , $\text{Ca}$ , $\text{Sr}$ , and $\text{Ba}$ . <i>Journal of Solid State Chemistry</i> , <b>2001</b> , 157, 241-249	3.3	48
114	Synthese, Kristallstruktur und Eigenschaften der kugelförmigen, sechsbasigen Sphäre $\text{P}_{12}\text{S}_{12}\text{N}_8(\text{NH})_6 \cdot 14 \text{H}_2\text{O}$ sowie ihrer Salze $\text{Li}_6[\text{P}_{12}\text{S}_{12}\text{N}_{14}] \cdot 26 \text{H}_2\text{O}$ , $(\text{NH}_4)_6[\text{P}_{12}\text{S}_{12}\text{N}_{14}] \cdot 10 \text{H}_2\text{O}$ und $\text{K}_6[\text{P}_{12}\text{S}_{12}\text{N}_{14}] \cdot 8 \text{H}_2\text{O}$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2001</b> , 627, 1165-1172	1.3	4
113	Neue Vertreter des $\text{Er}_6[\text{Si}_{11}\text{N}_{20}]\text{O}$ -Strukturtyps Hochtemperatur-Synthesen und Kristallstrukturen von $\text{Ln}_{6+x/3}[\text{Si}_{11}\text{N}_{20}]\text{O}$ mit $\text{Ln} = \text{Nd}$ , $\text{Er}$ , $\text{Yb}$ , $\text{Dy}$ und $0 \leq x \leq 3$ , $0 \leq y \leq 1$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2001</b> , 627, 1371-1376	1.3	8
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111	Hochdrucksynthese von $\text{P}_3\text{N}_5$ bei 11 GPa und 1500 °C in einer Multianvil-Apparatur: ein binäres Phosphor(V)-nitrid mit einer Raumnetzstruktur aus $\text{PN}_4$ -Tetraedern und tetragonalen $\text{PN}_5$ -Pyramiden. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 2713-2716	3.6	50
110	Orthonitridoborate ions $[\text{BN}_3]^{6-}$ in oxonitridosilicate cages: synthesis, crystal structure, and magnetic properties of $\text{Ba}_4\text{Pr}_7[\text{Si}_{12}\text{N}_{23}\text{O}][\text{BN}_3]$ , $\text{Ba}_4\text{Nd}_7[\text{Si}_{12}\text{N}_{23}\text{O}][\text{BN}_3]$ , and $\text{Ba}_4\text{Sm}_7[\text{Si}_{12}\text{N}_{23}\text{O}][\text{BN}_3]$ . <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 2791-7	4.8	17
109	Trimerization of alkali dicyanamides $\text{M}[\text{N}(\text{CN})_2]$ and formation of tricyanomelaminates $\text{M}_3[\text{C}_6\text{N}_9]$ ( $\text{M} = \text{K}$ , $\text{Rb}$ ) in the melt: crystal structure determination of three polymorphs of $\text{K}[\text{N}(\text{CN})_2]$ , two of $\text{Rb}[\text{N}(\text{CN})_2]$ , and one of $\text{K}_3[\text{C}_6\text{N}_9]$ and $\text{Rb}_3[\text{C}_6\text{N}_9]$ from X-ray powder diffractometry. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 5372-81	4.8	60
108	High-Pressure Synthesis of $\text{P}_3\text{N}_5$ at 11 GPa and 1500 °C in a Multianvil Assembly: A Binary Phosphorus(V) Nitride with a Three-Dimensional Network Structure from $\text{PN}$ Tetrahedra and Tetragonal $\text{PN}$ Pyramids. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 2643-2645	16.4	82
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104	High-temperature synthesis, crystal structure, optical properties, and magnetism of the carbidonitridosilicates $\text{Ho}_2[\text{Si}_4\text{N}_6\text{C}]$ and $\text{Tb}_2[\text{Si}_4\text{N}_6\text{C}]$ . <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 3300-3306		37
103	A theoretical and experimental study on the Lewis acid-base adducts $(\text{P}(4)\text{E}(3)) \cdot (\text{BX}(3))$ ( $\text{E} = \text{S}$ , $\text{Se}$ ; $\text{X} = \text{Br}$ , $\text{I}$ ) and $(\text{P}(4)\text{Se}(3)) \cdot (\text{NbCl}(5))$ . <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 4956-65	5.1	22
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101	High-Pressure Synthesis of $\gamma\text{-P}(3)\text{N}(5)$ at 11 GPa and 1500 degrees C in a Multianvil Assembly: A Binary Phosphorus(V) Nitride with a Three-Dimensional Network Structure from $\text{PN}(4)$ Tetrahedra and Tetragonal $\text{PN}(5)$ Pyramids This work was supported by the Fonds der Chemischen Industrie and the Deutsche Forschungsgemeinschaft (Gottfried-Wilhelm-Leibniz-Programm). The	16.4	2
100	$\text{Nd}_3\text{Si}_5\text{AlON}_{10}$ Synthese, Kristallstruktur und Eigenschaften eines Sialons im $\text{Nd}_3\text{Si}_5\text{AlON}_{10}$ -Strukturtyp. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2000</b> , 626, 56-61, 2643-2645	1.3	27

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97	1,2-Bis(trimethylsilyl)hydrazido Titanium Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2000</b> , 2000, 1849-1854	2.3	10
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94	Single-crystalline hexagonal Sr-Er- and Sr-Dy-sialon microtubes <b>2000</b> , 35, 3793-3797		4
93	Molecular, complex ionic, and solid state compounds. <i>Advances in Inorganic Chemistry</i> , <b>2000</b> , 50, 193-233	2.3	32
92	A Comparison of the Enamino Carbonyl Conjugation Efficiency for Hydrogen Bonding Formation in Pyridone and Dihydropyridone Systems. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2000</b> , 55, 5-11	1	2
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87	Sm <sub>2</sub> Si <sub>3</sub> O <sub>3</sub> N <sub>4</sub> und Ln <sub>2</sub> Si <sub>2,5</sub> Al <sub>0,5</sub> O <sub>3,5</sub> N <sub>3,5</sub> (Ln = Ce, Pr, Nd, Sm, Gd) neuer synthetischer Zugang zu N-haltigen Melilith-Phasen und deren Einkristall-Röntgenstrukturanalyse. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>1999</b> , 625, 429-434	1.3	15
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78	The First Nitride Spinelsñew Synthetic Approaches to Binary Group 14 Nitrides. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 3309-3310	16.4	16
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