Rainer Niewa

List of Publications by Year
in descending order

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167 papers	3,279 citations	159525 30 h-index	214721 47 g-index
186 all docs	186 docs citations	186 times ranked	2804 citing authors

#	Article	IF	Citations
1	Sodium rare earth metal amides Na₃ RE(NH₂)₆ (REÂ=ÂLaâ€“Nd, Er, Yb) from ammonothermal synthesis. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2022, 77, 335-346.	0.3	1
2	Progress in ammonothermal crystal growth of indium nitride. Journal of Crystal Growth, 2022, 581, 126480.	0.7	2
3	Novel Fluoridoaluminates from Ammonothermal Synthesis: Two Modifications of K2AlF5 and the Elpasolite Rb2KAlF6. Inorganics, 2022, 10, 7.	1.2	3
4	De-hydrogenation/Rehydrogenation Properties and Reaction Mechanism of AmZn(NH2)n-2nLiH Systems (A = Li, K, Na, and Rb). Sustainability, 2022, 14, 1672.	1.6	2
5	Li₅Sn, the Most Lithium-Rich Binary Stannide: A Combined Experimental and Computational Study. Journal of the American Chemical Society, 2022, 144, 7096-7110.	6.6	7
6	Crystal structure and phase stability of Co2N: A combined first-principles and experimental study. Journal of Alloys and Compounds, 2021, 854, 156341.	2.8	1
7	Structure and magnetic properties of a new hexaferrite (Ba,Pb)(Fe,Ti)9O15. Ceramics International, 2021, 47, 5341-5346.	2.3	8
8	Ammonothermal Materials. Springer Series in Materials Science, 2021, , 329-336.	0.4	0
9	Intermediates in Ammonothermal Synthesis and Crystal Growth. Springer Series in Materials Science, 2021, , 227-251.	0.4	0
10	Die reduzierten Nitridogermanate(III) Ca 6 [Ge 2 N 6] und Sr 6 [Ge 2 N 6] mit Geâ€Geâ€Bindungen. Angewandte Chemie, 2021, 133, 7769-7774.	1.6	0
11	The Reduced Nitridogermanates(III) Ca 6 [Ge 2 N 6] and Sr 6 [Ge 2 N 6] with Geâ^'Ge Bonds. Angewandte Chemie - International Edition, 2021, 60, 7691-7696.	7.2	3
12	Frontispiz: Die reduzierten Nitridogermanate(III) Ca₆[Ge₂N₆] und Sr₆[Ge₂N₆] mit Geâ€Geâ€Bindungen. Angewandte Chemie, 2021, 133, .	1.6	0
13	Frontispiece: The Reduced Nitridogermanates(III) Ca₆[Ge₂N₆] and Sr₆[Ge₂N₆] with Geâ^'Ge Bonds. Angewandte Chemie - International Edition, 2021, 60, .	7.2	0
14	Confirmation of Siderazot, Fe3N1.33, the Only Terrestrial Nitride Mineral. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	0.8	2
15	Na2La4(NH2)14Â·NH3, a lanthanum-rich intermediate in the ammonothermal synthesis of LaN and the effect of ammonia loss on the crystal structure. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, .	0.3	1
16	Two Intermediates in Ammonothermal InN Crystal Growth: [In(NH 3) 5 Cl]Cl 2 and InF 2 (NH 2). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 2006.	0.6	3
17	Synthesis and Characterization of the Amidomanganates Rb2[Mn(NH2)4] and Cs2[Mn(NH2)4]. Crystals, 2021, 11, 676.	1.0	1
18	Indium Ammoniates from Ammonothermal Synthesis: InAlF6(NH3)2, [In(NH3)6][AlF6], and [In2F(NH3)10]2[SiF6]5 â^™ 2 NH3. Crystals, 2021, 11, 679.	1.0	3

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19	Ammonothermal Synthesis and Characterization of First Amidozincate Hydroxides. European Journal of Inorganic Chemistry, 2021, 2021, 2654-2660.	1.0	2
20	Significance of Ammonothermal Synthesis for Nitride Materials. Springer Series in Materials Science, 2021, , 3-12.	0.4	0
21	A New Perspective on Growth of GaN from the Basic Ammonothermal Regime. Springer Series in Materials Science, 2021, , 77-103.	0.4	0
22	Performance enhancement of rechargeable magnesiumâ€“sulfur batteries based on a sulfurized poly(acrylonitrile) composite and a lithium salt. Journal of Power Sources, 2021, 515, 230604.	4.0	12
23	The Quasiâ€Binary Acetonitriletriide Sr₃[C₂N]₂. Angewandte Chemie - International Edition, 2020, 59, 339-342.	7.2	3
24	Electrochemical synthesis of transition metal oxide nitrides with Îµ-TaN, Î´-NbN and Î³â€²-Mo2N structure type in a molten salt system. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 33-40.	0.3	1
25	Das quasiâ€binÃre Acetonitriltriid Sr₃[C₂N]₂. Angewandte Chemie, 2020, 132, 347-350.	1.6	0
26	Frontispiece: Approaching Dissolved Species in Ammonoacidic GaN Crystal Growth: A Combined Solution NMR and Computational Study. Chemistry - A European Journal, 2020, 26, .	1.7	1
27	Diversity of Strontium Nitridogermanates(IV): Novel Sr 4 [GeN 4], Sr 8 Ge 2 [GeN 4], and Sr 17 Ge 2 [GeN 3] 2 [GeN 4] 2. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1105-1109.	0.6	3
28	A New Modification of Rb[Al(NH2)4] and Condensation in Solid State. Crystals, 2020, 10, 1018.	1.0	2
29	Crystal growth, structural characteristics and electronic structure of Ba1-xPbxFe12O19 (xÂ=) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.8	21
30	Approaching Dissolved Species in Ammonoacidic GaN Crystal Growth: A Combined Solution NMR and Computational Study. Chemistry - A European Journal, 2020, 26, 7008-7017.	1.7	6
31	Synthesis and Characterisation of the Nitridocuprate(I) Nitride Carbodiimide (Sr₆N)[CuN₂][CN₂]₂. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 114-119.	0.6	4
32	Sub-lattice of Jahn-Teller centers in hexaferrite crystal. Scientific Reports, 2020, 10, 7076.	1.6	24
33	Thermal History Dependent Al Distribution in Aluminum Substituted Strontium Hexaferrite. Materials, 2020, 13, 858.	1.3	0
34	Metalâ€Rich Ternary Perovskite Nitrides. European Journal of Inorganic Chemistry, 2019, 2019, 3647-3660.	1.0	23
35	Ferromagnetic Îµ-Fe2MnN: High-Pressure Synthesis, Hardness and Magnetic Properties. Materials, 2019, 12, 1993.	1.3	1
36	PolyDis: simple quantification tool for distortion of polyhedra in crystalline solids. Zeitschrift Fur Kristallographie - Crystalline Materials, 2019, 234, 201-209.	0.4	9

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37	Electrochemical Synthesis of Highly Nitrogen Containing Î³- FeN0.13 and Îµ -Fe3 N1.51 in a Molten Salt System. European Journal of Inorganic Chemistry, 2019, 2019, 730-734.	1.0	4
38	Electrochemical Bulk Synthesis of Ternary Nitride Perovskites: Co₃InN and Ni₃InN. European Journal of Inorganic Chemistry, 2019, 2019, 1708-1708.	1.0	0
39	Electrochemical Bulk Synthesis of Ternary Nitride Perovskites: Co₃InN and Ni₃InN. European Journal of Inorganic Chemistry, 2019, 2019, 1709-1713.	1.0	5
40	Perovskite Distortion Inverted: Crystal Structures of (A₃N)As (A = Mg, Ca,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.6	8
41	Bandgap and Electronic Structure Determination of Oxygen-Containing Ammonothermal InN: Experiment and Theory. Journal of Physical Chemistry C, 2019, 123, 8943-8950.	1.5	13
42	High-entropy oxide phases with magnetoplumbite structure. Ceramics International, 2019, 45, 12942-12948.	2.3	64
43	Flux single crystal growth of M-type strontium hexaferrite SrFe12O19 by spontaneous crystallization. Journal of Magnetism and Magnetic Materials, 2019, 470, 97-100.	1.0	20
44	Coexistence of ferromagnetism and unconventional spin-glass freezing in the site-disordered kagome ferrite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrS</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant	1.1	18
45	Ammonothermal Crystal Growth of Indium Nitride. Crystal Growth and Design, 2018, 18, 2365-2369.	1.4	32
46	Coexistence of ferromagnetism and spin glass freezing in the site-disordered kagome ferrite SrSn2Fe4O11. AIP Advances, 2018, 8, 055708.	0.6	1
47	The Inverse Perovskite Nitrides (Sr₃N_{2/3â€“x})Sn, (Sr₃N_{2/3â€“x})Pb, and (Sr₃N)Sb: Flux Crystal Growth, Crystal Structures, and Physical Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 161-167.	0.6	6
48	In situ X-ray monitoring of transport and chemistry of Ga-containing intermediates under ammonothermal growth conditions of GaN. Journal of Crystal Growth, 2018, 498, 214-223.	0.7	17
49	Synthesis and Characterization of BaLiRu₅O₁₁, BaCu₁₊_xRu_{5â€“}_xO₁₁, and BaLi_{1â€“}_xCu_x₊_{Î´}Ru_{5â€“}_{Î´}<sub>	0.6	4
50	Li and Co Ordering in the Nitridocobaltate(I) SrLi2{Li[CoN2]}. Crystals, 2018, 8, 268.	1.0	1
51	Growth, magnetic and transport properties of Liâ€doped SrFe₂As₂ single crystals. Physica Status Solidi (B): Basic Research, 2017, 254, 1600118.	0.7	0
52	Structure and physical properties ofSrNiRu5O11single crystals: AnR-type ferrite based on ordered kagome nets. Physical Review B, 2017, 95, .	1.1	7
53	Transition and Alkali Metal Complex Ternary Amides for Ammonia Synthesis and Decomposition. Chemistry - A European Journal, 2017, 23, 9766-9771.	1.7	28
54	Highâ€Pressure NiAsâ€Type Modification of FeN. Angewandte Chemie - International Edition, 2017, 56, 7302-7306.	7.2	43

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55	Thermoelectric properties of [Ca2CoO3â˜Î˜][CoO2]1,62 as a function of Co/Ca defects and Co3O4 inclusions. Journal of Applied Physics, 2017, 121, .	1.1	8
56	Three Oxidation States of Manganese in the Barium Hexaferrite BaFe_{12â€“x}Mn_xO₁₉. Inorganic Chemistry, 2017, 56, 3861-3866.	1.9	57
57	Three Solid Modifications of Ba[Ga(NH2)4]2: A Soluble Intermediate in Ammonothermal GaN Crystal Growth. European Journal of Inorganic Chemistry, 2017, 2017, 902-909.	1.0	10
58	Nitrogen Transfer between Solid Phases in the System Mnâ€N Detected via in situ Neutron Diffraction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1929-1938.	0.6	9
59	Lithium alkaline earth tetrelides of the type Li₂ AeTt (Ae=Ca, Ba, Tt=Si,) Tj ETQq1 1 0.784314 rgBT /O Section B Journal of Chemical Sciences, 2017, 72, 847-853.	0.3	16
60	Millimeter-wave characterization of aluminum substituted barium lead hexaferrite single crystals grown from PbOâ€“B2O3 flux. Ceramics International, 2017, 43, 15800-15804.	2.3	18
61	Dissolved Intermediates in Ammonothermal Crystal Growth: Stepwise Condensation of [Ga(NH₂)₄]^{â˜} toward GaN. Crystal Growth and Design, 2017, 17, 4855-4863.	1.4	17
62	Cichorek etÂal. Reply:. Physical Review Letters, 2017, 118, 259702.	2.9	3
63	Magnetic and Structural Properties of Barium Hexaferrite BaFe12O19 from Various Growth Techniques. Materials, 2017, 10, 578.	1.3	41
64	Eine NiAsâ€artige Hochdruckmodifikation von FeN. Angewandte Chemie, 2017, 129, 7408-7412.	1.6	2
65	In Situ X-ray Diffraction Studies on the De/rehydrogenation Processes of the K₂[Zn(NH₂)₄]-8LiH System. Journal of Physical Chemistry C, 2017, 121, 1546-1551.	1.5	10
66	Ammonothermal Synthesis and Crystal Structures of Diamminetriamidodizinc Chloride [Zn2(NH3)2(NH2)3]Cl and Diamminemonoamidozinc Bromide [Zn(NH3)2(NH2)]Br. Inorganics, 2016, 4, 41.	1.2	4
67	Ammonothermal Synthesis and Characterization of Cs₂[Zn(NH₂)₄]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1207-1211.	0.6	7
68	Ammonothermal synthesis of GaN using Ba(NH2)2 as mineralizer. Journal of Crystal Growth, 2016, 456, 2-4.	0.7	11
69	Two-Channel Kondo Physics due to As Vacancies in the Layered Compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>ZrAs</mml:mi></mml:mrow><mml:mrow><mml:mn> Physical Review Letters, 2016, 117, 106601.	2.9	18
70	Synthesis of Metastable Co₄N, Co₃N, Co₂N, and CoO_{0.74}N_{0.24} from a Single Azide Precursor and Intermediates in CoBr₂ Ammonolysis. European Journal of Inorganic Chemistry, 2016, 2016, 4792-4801.	1.0	13
71	Trigonal-Bipyramidal Coordination in First Ammoniates of ZnF₂: ZnF₂(NH₃)₃ and ZnF₂(NH₃)₂. Inorganic Chemistry, 2016, 55, 2488-2498.	1.9	9
72	Growth of Lead and Aluminum Substituted Barium Hexaferrite Single Crystals from Lead Oxide Flux. Materials Science Forum, 2016, 843, 3-9.	0.3	13

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73	New synthesis route for ternary transition metal amides as well as ultrafast amideâ€“hydride hydrogen storage materials. Chemical Communications, 2016, 52, 5100-5103.	2.2	18
74	Approaching compositional limits of perovskite â€“ type oxides and oxynitrides by synthesis of Mg0.25Ca0.65Y0.1Ti(O,N)3, Ca1â€“xYxZr(O,N)3 (0.1Ââ‰ÂxÂâ‰Â0.4), and Sr1â€“xLaxZr(O,N)3 (0.1Ââ‰ÂxÂâ‰Â0.4). Solid State Sciences, 2016, 54, 7-16.	1.5	7
75	Ternary Amides Containing Transition Metals for Hydrogen Storage: A Case Study with Alkali Metal Amidozincates. ChemSusChem, 2015, 8, 3777-3782.	3.6	13
76	V₁₆N_{1.5}: Metastable or Missing in the Binary Phase Diagram?. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2610-2616.	0.6	3
77	Ammonothermal Synthesis and Characterization of Li₄[Zn(NH₂)₄](NH₂)₂. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1016-1023.	0.6	15
78	Two Modifications of Tin(II) Bromide. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1467-1472.	0.6	11
79	Structural and Magnetic Characterization of Singleâ€phase Spongeâ€like Bulk Î±â€²â€²-Fe₁₆N₂. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 348-354.	0.6	16
80	Determination of GaN solubility in supercritical ammonia with NH4F and NH4Cl mineralizer by in situ x-ray imaging of crystal dissolution. Journal of Crystal Growth, 2015, 418, 64-69.	0.7	21
81	Growth, structural and magnetic characterization of Co- and Ni-substituted barium hexaferrite single crystals. Journal of Alloys and Compounds, 2015, 628, 480-484.	2.8	68
82	Tungsten substituted BaFe12O19 single crystal growth and characterization. Materials Chemistry and Physics, 2015, 155, 99-103.	2.0	26
83	Synthesis, characterization and in situ Raman detection of Sn 3 O 2 (OH) 2â^'x Cl x phases as intermediates in tin corrosion. Corrosion Science, 2015, 98, 399-405.	3.0	17
84	Growth, structural and magnetic characterization of Zn-substituted barium hexaferrite single crystals. Materials Chemistry and Physics, 2015, 163, 416-420.	2.0	40
85	Structural and millimeter-wave characterization of flux grown Al substituted barium hexaferrite single crystals. Ceramics International, 2015, 41, 12728-12733.	2.3	39
86	On Copper(I) Fluorides, the Cuprophilic Interaction, the Preparation of Copper Nitride at Room Temperature, and the Formation Mechanism at Elevated Temperatures. Chemistry - A European Journal, 2015, 21, 3290-3303.	1.7	30
87	Cu-substituted barium hexaferrite crystal growth and characterization. Ceramics International, 2015, 41, 9172-9176.	2.3	36
88	Single crystal growth, structural characteristics and magnetic properties of chromium substituted M-type ferrites. Solid State Sciences, 2015, 50, 23-31.	1.5	27
89	Chemistry of Ammonothermal Synthesis. Inorganics, 2014, 2, 29-78.	1.2	110
90	Distribution of dopant metals between PbTiO3 crystals and PbO-B2O3 flux. Russian Journal of General Chemistry, 2014, 84, 1888-1892.	0.3	3

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91	Synthesis and Characterization of Superconducting Ca1â^'xNaxFFeAs. Materials, 2014, 7, 1984-1994.	1.3	3
92	On the Formation Mechanism of Chromium Nitrides: An in situ Study. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 2801-2808.	0.6	16
93	Formation and Decomposition of Iron Nitrides Observed by in situ Powder Neutron Diffraction and Thermal Analysis. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1265-1274.	0.6	34
94	Crystal structure and superconducting properties of hole-doped Ca_{0.89}Na_{0.11}FFeAs single crystals. Superconductor Science and Technology, 2014, 27, 044011.	1.8	11
95	Structure formation in yttrium aluminum garnet (YAG) fibers. Journal of the European Ceramic Society, 2014, 34, 1321-1328.	2.8	24
96	Ti-Substituted BaFe12O19 Single Crystal Growth and Characterization. Crystal Growth and Design, 2014, 14, 5834-5839.	1.4	38
97	Growth, structural and magnetic characterization of Al-substituted barium hexaferrite single crystals. Journal of Alloys and Compounds, 2014, 615, 1043-1046.	2.8	55
98	Novel alkali metal amidogallates as intermediates in ammonothermal GaN crystal growth. Journal of Crystal Growth, 2014, 403, 22-28.	0.7	30
99	Highâ€Pressure Highâ€Temperature Synthesis of Ïµâ€Fe₂IrN_{0.24}. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 814-818.	0.6	6
100	Evolution of Superconducting Properties of LiFeAs Single Crystals Doped with Magnetic or Nonmagnetic Impurities. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1189-1193.	0.8	2
101	Alkalineâ€earth Metal Nitrides of the Mainâ€Group Elements: Crystal Structures and Properties of Inverse Perovskites. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1699-1715.	0.6	20
102	High pressure high-temperature behavior and magnetic properties of Fe₄N: experiment and theory. High Pressure Research, 2013, 33, 684-696.	0.4	27
103	Synthesis, crystal growth and structure, magnetic and electrical properties of Ba4Ru2FeO10 and Ba4Ru2CoO10. Solid State Sciences, 2013, 19, 58-62.	1.5	1
104	Zr2Fe12As7 and Hf2+xFe12â^'yAs7 with Zr2Fe12P7 type structure: Iron arsenides with layered sections from LiFeAs structure. Solid State Sciences, 2013, 21, 100-105.	1.5	2
105	In situ Neutron Diffraction as a Probe on Formation and Decomposition of Nitrides and Hydrides: A Case Study. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 285-295.	0.6	40
106	Formation and Decomposition of Metastable Î±â€²â€²Fe₁₆N₂ from in situ Powder Neutron Diffraction and Thermal Analysis. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2851-2859.	0.6	30
107	Intermediates in Ammonothermal GaN Crystal Growth under Ammonoacidic Conditions. European Journal of Inorganic Chemistry, 2013, 2013, 5387-5399.	1.0	31
108	Ruthenate-ferrites AMRu₅O₁₁ (A = Sr, Ba; M = Ni, Zn): Distortion of kagome nets via metalâ€“metal bonding. Zeitschrift Fur Kristallographie - Crystalline Materials, 2012, 227, 545-551.	0.4	7

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109	Flux pinning and magnetic relaxation in Ga-doped LiFeAs single crystals. Journal of Applied Physics, 2012, 112, 053914.	1.1	7
110	Ternary Metastable Nitrides Îµ-Fe₂TMN (TM = Co, Ni): High-Pressure, High-Temperature Synthesis, Crystal Structure, Thermal Stability, and Magnetic Properties. Chemistry of Materials, 2012, 24, 4600-4606.	3.2	26
111	Sb-Doped LiFeAs Single Crystals: Crystal Structure and Physical Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1628-1628.	0.6	1
112	The influence of Si on the superconducting properties of LiFeAs single crystals. Superconductor Science and Technology, 2012, 25, 125006.	1.8	4
113	Na5[CN2]2[CN], (Li, Na)5[CN2]2[CN], and K2[CN2]: Carbodiimides from High-Pressure Synthesis. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2111-2116.	0.6	9
114	BaZnRu5O11: Novel compound with frustrated magnetic lattice based on a distorted kagome network. Solid State Sciences, 2012, 14, 281-286.	1.5	10
115	BaSn6Co6O19â€"A novel frustrated antiferromagnet with the magnetoplumbite type structure. Journal of Solid State Chemistry, 2011, 184, 3158-3162.	1.4	2
116	The Inverse Perovskite (Ca₂EuN_x)Sn: A Rare Example for a Homogeneously Mixedâ€Valent Compound?. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 977-982.	0.6	6
117	Ce₂[CrN₃]: Single Phase Synthesis and Characterization of a Nitridochromate(I). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 1853-1857.	0.6	3
118	Crystal Structure and Magnetic Properties of the Novel Hollandite Ba_{1.3}Co_{1.3}Ti_{6.7}O₁₆. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 1097-1100.	0.3	4
119	Crystal Structures of Ternary Ruthenium Ferrites SrM2Â±xRu4â^'xO11withM= Fe, Co and Magnetic and Transport Properties of Al-doped Single Crystals. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 331-336.	0.6	16
120	A Temperatureâ€dependent Structural Study of antiâ€ReO₃â€type Na₃N: to Distort or not to Distort?Â. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 94-99.	0.6	6
121	Polymorphism of Eu8In3 and the Solid Solution (CaxEu1-x)8In3Â. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 1803-1809.	0.6	3
122	Nitrides with Inverse K2[NiF4] Structure: (R1-xCa3+xN1-x/3)Bi2 with R = Rare-Earth MetalÂ. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 1222-1228.	0.6	5
123	Synthesis, Crystal Structure and Lithium Motion of Li₈SeN₂ and Li₈TeN₂ÂÂ. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 936-946.	0.6	17
124	Shear-induced structural transformation and plasticity in ultraincompressibleReB2limit its hardness. Physical Review B, 2010, 82, .	1.1	50
125	Highâ€Pressureâ€"Highâ€Temperature Behavior of Î¶â€Fe₂N and Phase Transition to Ïµâ€Fe₃N_{1.5}. European Journal of Inorganic Chemistry, 2009, 2009, 1634-1639.	1.0	30
126	Highâ€pressure Phase Transition and Properties of Cu₃N: An Experimental and Theoretical StudyÂ. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1959-1968.	0.6	20

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127	High-Pressure, High-Temperature Single-Crystal Growth, Ab initio Electronic Structure Calculations, and Equation of State of Îµ-Fe₃N_{1+x}. Chemistry of Materials, 2009, 21, 392-398.	3.2	63
128	High-pressure high-temperature phase transition of Î³â€²-Fe4N. Journal of Alloys and Compounds, 2009, 480, 76-80.	2.8	40
129	Highâ€Temperature Ferromagnetism and Tunable Semiconductivity of (Ba,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (Sr)M Spintronics. Advanced Materials, 2008, 20, 1315-1320.	11.1	26
130	Magnetic structure of the inverse perovskite (Ce3N)In. Solid State Sciences, 2008, 10, 1910-1915.	1.5	15
131	Structural, magnetic, and transport properties of a novel class of ferromagnetic semiconductors: SrM2Â±xRu4Â±xO11 (M=Fe,Co). Journal of Applied Physics, 2008, 103, 07D112.	1.1	13
132	Bafe3.39(5)Ru2.61(5)O11 And BaCo1.85(6)Ru4.15(6)O11. Preparation, Crystal Structures, And Magnetic And Transport Properties Of Quaternary Transition Metal Oxoruthenates. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 753-758.	0.3	9
133	Ba3YRu0.73(2)Al1.27(2)O8 and Ba5Y2Ru1.52(2)Al1.47(2)O13.5: New Perovskite Ruthenates with Partial Octahedra Replacement. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 1383-1389.	0.3	13
134	Stacking Design of Inverse Perovskites:â€‰ The Systems (Sr3-xBaxN)E, E = Bi, Sb. Inorganic Chemistry, 2007, 46, 859-865.	1.9	27
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