

Olaf Reckeweg

List of Publications by Year in descending order

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papers

770
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92
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644
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#	ARTICLE	IF	CITATIONS
1	The unexpected crystal structure of thallium(I) tricyanomethanide $\text{Tl}[\text{C}(\text{CN})_3]$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2022, .	0.3	0
2	Syntheses, crystallographic characterization, and structural relations of $\text{Rb}[\text{SCN}]$. Zeitschrift Fur Kristallographie - Crystalline Materials, 2022, 237, 69-75.	0.4	1
3	$\text{Ba}_{21}[\text{BN}_2]_{11}[\text{C}_2]_4$: a subvalent compound with an excess electron $\hat{\epsilon}$ synthesis, crystal structure and Raman spectrum of an unprecedented alkaline-earth metal nitridoborate carbide $\hat{\epsilon}$. Australian Journal of Chemistry, 2022, , .	0.5	0
4	Structural characterization and Raman spectrum of $\text{Cs}[\text{OCN}]$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 129-133.	0.3	1
5	The Color of the Elements: A Combined Experimental and Theoretical Electron Density Study of ScB_2C_2 . Angewandte Chemie, 2019, 131, 2382-2386.	1.6	4
6	Volume increments of some pseudohalide anions. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2019, 74, 571-573.	0.3	1
7	The Color of the Elements: A Combined Experimental and Theoretical Electron Density Study of ScB_2C_2 . Angewandte Chemie - International Edition, 2019, 58, 2360-2364.	7.2	4
8	Synthesis, vibrational spectra and single-crystal structure determination of lithium tricyanomethanide $\text{Li}[\text{C}(\text{CN})_3]$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 225-229.	0.3	4
9	Syntheses and Characterization of Two Dicyanamide Compounds Containing Monovalent Cations: $\text{Hg}_2[\text{N}(\text{CN})_2]_2$ and $\text{Tl}[\text{N}(\text{CN})_2]$. Inorganics, 2018, 6, 135.	1.2	9
10	Synthesis and Characterization of the New Dicyanamide $\text{LiCs}_2[\text{N}(\text{CN})_2]_3$. Inorganics, 2018, 6, 108.	1.2	8
11	No solid solution compounds in between the binaries: syntheses and crystal structures of $\text{Nb}(\text{Br}_{0.62(4)}\text{Cl}_{0.38(4)})_2\text{Cl}_2$ and NbI_2Cl_2 . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 29-34.	0.3	0
12	About the air- and water-stable copper(I) dicyanamide: synthesis, crystal structure, vibrational spectra and DSC/TG analysis of $\text{Cu}[\text{N}(\text{CN})_2]$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 159-165.	0.3	8
13	Synthesis, crystal structure and Raman spectrum of $\text{Ba}_7[\text{BO}_3]_3\text{Br}(\text{O}_{1.33}\text{F}_{1.33})$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 193-197.	0.3	0
14	Oxide meets silicide $\hat{\epsilon}$ synthesis and single-crystal structure of $\text{Ca}_{21}\text{SrSi}_{24}\text{O}_2$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 313-316.	0.3	0
15	The $[\text{BN}_2]^{3-}$ anion $\hat{\epsilon}$ a carbon dioxide isosteric building unit for a large family of complex nitridoborate structures. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 653-668.	0.4	11
16	Synthesis, single-crystal structure determination and Raman spectrum of $\text{Ca}_{2.57(4)}\text{Sr}_{0.43(4)}\text{Cl}_2[\text{CBN}]$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 225-229.	0.3	1
17	Complete X-ray single-crystal structure determination and Raman spectrum of $\text{NH}_4[\text{C}(\text{CN})_3]$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 517-521.	0.3	1
18	Single-crystal structure refinement of Yb_2 with a remark about Yb_2 . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 995-998.	0.3	6

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19	Syntheses, single-crystal structures, vibrational spectra and DSC/TG analyses of orthorhombic and trigonal $\text{Ag}[\text{N}(\text{CN})_2]_2$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 827-834.	0.3	3
20	The first pseudo-ternary thiocyanate containing two alkali metals – synthesis and single-crystal structure of $\text{LiK}_2[\text{SCN}]_3$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 161-164.	0.3	5
21	Synthesis and single-crystal structure of the pseudo-ternary compounds $\text{Li}_x\text{A}_{1-x}[\text{N}(\text{CN})_2]_2$ ($x = \text{K or Rb}$). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 157-160.	0.3	6
22	Synthesis, single-crystal structure determination and Raman spectra of the tricyanomelaminates $\text{Na}_5[\text{C}_6\text{N}_9]_2 \cdot 4\text{H}_2\text{O}$ ($x = \text{K or Rb}$). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 157-160.	0.3	0
23	Crystal Growth and Structure of the Barium Chloride Nitrido-tantalate(V) $\text{Ba}_3\text{Cl}_2\text{TaN}_3$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1515-1520.	0.6	3
24	Syntheses, single-crystal structure determination, and Raman spectra of $\text{Rb}[\text{C}(\text{CN})_3]$ and $\text{Cs}[\text{C}(\text{CN})_3]$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2015, 70, 151-154.	0.3	4
25	Synthesis, single-crystal structure determination and Raman spectrum of $\text{Cu}[\text{C}(\text{CN})_3]_2 \cdot 2\text{NH}_3$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2015, 70, 177-181.	0.3	3
26	Two lithium tricyanomethanide compounds: syntheses and single-crystal structure determination of $\text{LiK}[\text{C}(\text{CN})_3]_2$ and $\text{Li}[\text{C}(\text{CN})_3] \cdot \frac{1}{2}(\text{H}_3\text{C})_2\text{CO}$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2015, 70, 191-196.	0.3	4
27	About alkali metal dicyanamides: syntheses, single-crystal structure determination, DSC/TG and vibrational spectra of $\text{KCs}[\text{N}(\text{CN})_2]_2$ and $\text{NaRb}_2[\text{N}(\text{CN})_2]_3 \cdot \text{H}_2\text{O}$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2015, 70, 365-372.	0.3	8
28	Two Ternary Mixed-Anion Chlorides with Divalent Europium: $\text{Eu}_2\text{H}_3\text{Cl}$ and $\text{Eu}_7\text{F}_{12}\text{Cl}_2$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1254-1259.	0.6	11
29	Single-Crystal Structures and Vibrational Spectra of $\text{Li}[\text{SCN}]$ and $\text{Li}[\text{SCN}] \cdot 2\text{H}_2\text{O}$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 17-24.	0.3	13
30	An Alternative Crystal Structure of $\text{Yb}_2\text{B}_{12}\text{O}_{57}$ – X-Ray Structure Determination on Flux-synthesized Single Crystals. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 294-298.	0.3	1
31	Different Structural Models of YB_2C_2 and GdB_2C_2 on the Basis of Single-Crystal X-Ray Data. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 289-293.	0.3	12
32	Synthesis, Crystal Structure, and Vibrational Spectra of the Anhydrous Lithium Dicyanamide $\text{Li}[\text{N}(\text{CN})_2]$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 851-855.	0.6	22
33	Synthesis, Raman Spectrum and Single-Crystal Structure of $\text{CaBa}_8[\text{CN}_2]_6\text{O}_2(\text{NO}_0.5\text{H}_0.5)$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2013, 68, 39-43.	0.3	0
34	Li_5OCl_3 and Li_3OCl : Two Remarkably Different Lithium Oxide Chlorides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2081-2086.	0.6	27
35	Single Crystals of Cotunnite-Type YbH_2 . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1595-1595.	0.6	2
36	Syntheses, Single-crystal Structure and Vibrational Spectra of $\text{Ca}_{15}(\text{CBN})_6(\text{C}_2\text{H}_2)_2$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 1092-1096.	0.3	2

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37	Syntheses and Crystal Structures of the Solid Solution Sr ₄ OBr _{2.89} (₂)Cl _{3.11} (₂) and the Elusive Ba ₂ OBr ₂ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 1000-1004.	0.3	0
38	Filling up another Gap: Synthesis and Crystal Structure of Ba ₂ H ₃ I. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 1087-1091.	0.3	3
39	Alkaline Earth Metal-Hydride-Iodide Compounds: Syntheses and Crystal Structures of Sr ₂ H ₃ I and Ba ₅ H ₂ I _{3.9} (₂)O ₂ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 21-26.	0.3	0
40	Orthoborate Halides with the Formula (M ^{+II}) ₅ (BO ₃) ₃ X: Syntheses, Crystal Structures and Raman Spectra of Eu ₅ (BO ₃) ₃ Cl and Ba ₅ (BO ₃) ₃ X (X = Cl, Br). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 359-365.	0.3	14
41	New Calcium Hydride Halides with Familiar Structures. Syntheses and Crystal Structures of Ca ₇ H ₁₂ Cl ₂ and Ca ₂ H ₃ Br. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 493-498.	0.3	8
42	One more Compound Containing the CBN ₄ - Ion - Synthesis, Single-crystal Structure and Vibrational Spectra of Ca ₁₅ (C ₂) ₆ (C ₂) ₂ F ₂ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 1409-1415.	0.3	4
43	Single-Crystal X-Ray Diffraction Study of Na[OCN] at 170 K and its Vibrational Spectra. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 528-532.	0.3	12
44	Alkaline Earth Metal Oxyhalides Revisited - Syntheses and Crystal Structures of Sr ₄ OBr ₆ , Ba ₄ OBr ₆ and Ba ₂ OI ₂ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 519-524.	0.3	9
45	Syntheses and Crystal Structures of Sr ₇ H ₁₂ X ₂ (X = Cl, Br). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 513-518.	0.3	11
46	The Last Missing Member of the AE ₂ [BN ₂]Cl Series - Synthesis, Structural and Spectroscopic Characterization of Ba ₂ [BN ₂]Cl. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 525-529.	0.3	5
47	Calcium Carbodiimide Compounds Revisited - Syntheses, Single Crystal Structure Determination and Vibrational Spectra of Ca ₁₁ N ₆ [CN ₂] ₂ , Ca ₄ N ₂ [CN ₂] and Ca[CN ₂]. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 530-536.	0.3	11
48	Crystal structure of trans-dichlorotetracyanamideiron(II), Fe(NCNH ₂) ₄ Cl ₂ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2008, 223, 221.	0.1	0
49	Syntheses and Crystal Structures of the New Ternary Barium Halide Hydrides Ba ₂ H ₃ X (X = Cl or Br). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 23-27.	0.3	12
50	Synthesis, Crystal Structure and Optical Spectra of Yb ₂ [CN ₂] ₃ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 658-662.	0.3	12
51	A Metal Nitride Carbodiimide with a Stuffed Skutterudite-type Structure: Synthesis, Crystal Structure and IR Spectra of (Ba ₆ N _{5/6}) ₂ [Nb ₄][CN ₂] ₆ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 1246-1250.	0.3	4
52	Ca ₂ [BN ₂]H: The First Nitridoborate Hydride - Synthesis, Crystal Structure, and Vibrational Spectra. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 1068-1073.	0.6	16
53	Orthorhombic Ba ₃ [BN ₂] ₂ : A New Structure Type for an Alkaline Earth Metal Nitrido Borate.. ChemInform, 2004, 35, no.	0.1	0
54	Ca ₂ [BN ₂]H: The First Nitridoborate Hydride - Synthesis, Crystal Structure, and Vibrational Spectra.. ChemInform, 2004, 35, no.	0.1	0

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55	Reactions of alkaline earth metals and nitrogen in sealed niobium ampoules: the formation of MgZn ₂ type intermetallic phases in the presence of nitrogen and the new compound Ba ₅ [NbN ₄]N. Journal of Alloys and Compounds, 2004, 384, 98-105.	2.8	25
56	Synthesis, Thermal and X-Ray Investigations of the High-Temperature Phase of Copper(I) Cyanide.. ChemInform, 2003, 34, no.	0.1	0
57	Ba ₉ [NbN ₄]2O[Cn ₂] " Synthesis, Crystal Structure and Raman Spectrum.. ChemInform, 2003, 34, no.	0.1	0
58	Orthorhombic Ba ₃ [BN ₂] ₂ : a new structure type for an alkaline earth metal nitrido borate. Journal of Alloys and Compounds, 2003, 361, 102-107.	2.8	21
59	Azide und Cyanamide " Ähnlich und doch anders/Azides and Cyanamides " Similar and Yet Different. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2003, 58, 1097-1104.	0.3	60
60	Synthesis, Thermal and X-Ray Investigations of the High-Temperature Phase of Copper(I) Cyanide. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2003, 58, 155-158.	0.3	26
61	Ba ₉ [NbN ₄]2O[Cn ₂] " Synthesis, Crystal Structure and Raman Spectrum. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2003, 58, 201-204.	0.3	9
62	X-Ray and Raman Investigations on Cyanides of Mono- and Divalent Metals and Synthesis, Crystal Structure and Raman Spectrum of Tl ₅ (CO ₃) ₂ (CN). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2002, 57, 895-900.	0.3	19
63	Alkaline earth metal nitride compounds with the composition M ₂ NX (M=Ca, Sr, Ba; X=Li, H, Cl or Br). Solid State Sciences, 2002, 4, 575-584.	1.5	69
64	Magnesium nitride chemistry. Journal of Alloys and Compounds, 2001, 315, 134-142.	2.8	21
65	About Binary and Ternary Alkaline Earth Metal Nitrides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 371-377.	0.6	72
66	Ag ₈ Ca ₁₉ N ₇ - Nitrogen Bridged Ca ₁₉ N ₇ Superoctahedra surrounded by Silver Tetrahedra. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2000, 626, 62-67.	0.6	15
67	Ca ₁₁ N ₆ (CN) ₂ and Ca ₄ N ₂ (CN) ₂ : The True Nature of an "Unusual Binary Nitride" Is Finally Revealed. Angewandte Chemie - International Edition, 2000, 39, 412-414.	7.2	35
68	An Expected Calcium Carbido Borate Chloride: Ca ₉ Cl ₈ (BC ₂) ₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1999, 625, 1408-1410.	0.6	4
69	Lanthanide Nitrido Borates with Six-Membered B ₃ N ₆ Rings: Ln ₃ B ₃ N ₆ . Angewandte Chemie - International Edition, 1999, 38, 1607-1609.	7.2	6
70	Ca ₅ Cl ₃ (C ₂)(CBC): A Compound with a Layer Structure and an Unusual Anion Combination. Angewandte Chemie - International Edition, 1998, 37, 3407-3410.	7.2	6
71	Unsymmetrische BN ₂ 3-Ionen in den Strukturen von Ca ₂ ClBN ₂ und Sr ₂ ClBN ₂ / Unsymmetric BN ₂ 3-Ions in the Structures of Ca ₂ ClBN ₂ and Sr ₂ ClBN ₂ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1997, 52, 340-344.	0.3	10