

# Olaf Reckeweg

## List of Publications by Year in descending order

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71  
papers

770  
citations

623574

14  
h-index

580701

25  
g-index

92  
all docs

92  
docs citations

92  
times ranked

644  
citing authors

#	ARTICLE	IF	CITATIONS
1	About Binary and Ternary Alkaline Earth Metal Nitrides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 371-377.	0.6	72
2	Alkaline earth metal nitride compounds with the composition M <sub>2</sub> NX (M=Ca, Sr, Ba; X=Li, H, Cl or Br). Solid State Sciences, 2002, 4, 575-584.	1.5	69
3	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
4	Ca <sub>11</sub> N <sub>6</sub> (CN <sub>2</sub> ) <sub>2</sub> and Ca <sub>4</sub> N <sub>2</sub> (CN <sub>2</sub> ): The True Nature of an “Unusual Binary Nitride” Is Finally Revealed. Angewandte Chemie - International Edition, 2000, 39, 412-414.	7.2	35
5	Li <sub>5</sub> OCl <sub>3</sub> and Li <sub>3</sub> OCl: Two Remarkably Different Lithium Oxide Chlorides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2081-2086.	0.6	27
6	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
7	Reactions of alkaline earth metals and nitrogen in sealed niobium ampoules: the formation of MgZn <sub>2</sub> type intermetallic phases in the presence of nitrogen and the new compound Ba <sub>5</sub> [NbN <sub>4</sub> ]N. Journal of Alloys and Compounds, 2004, 384, 98-105.	2.8	25
8	Synthesis, Crystal Structure, and Vibrational Spectra of the Anhydrous Lithium Dicyanamide Li[N(CN) <sub>2</sub> ]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 851-855.	0.6	22
9	Magnesium nitride chemistry. Journal of Alloys and Compounds, 2001, 315, 134-142.	2.8	21
10	Orthorhombic Ba <sub>3</sub> [BN <sub>2</sub> ] <sub>2</sub> : a new structure type for an alkaline earth metal nitrido borate. Journal of Alloys and Compounds, 2003, 361, 102-107.	2.8	21
11	X-Ray and Raman Investigations on Cyanides of Mono- and Divalent Metals and Synthesis, Crystal Structure and Raman Spectrum of Tl <sub>5</sub> (CO <sub>3</sub> ) <sub>2</sub> (CN). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2002, 57, 895-900.	0.3	19
12	Ca <sub>2</sub> [BN <sub>2</sub> ]H: The First Nitridoborate Hydride” Synthesis, Crystal Structure, and Vibrational Spectra. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 1068-1073.	0.6	16
13	Ag <sub>8</sub> Ca <sub>19</sub> N <sub>7</sub> - Nitrogen Bridged Ca <sub>19</sub> N <sub>7</sub> Superoctahedra surrounded by Silver Tetrahedra. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2000, 626, 62-67.	0.6	15
14	Orthoborate Halides with the Formula (M <sup>II</sup> ) <sub>5</sub> (BO <sub>3</sub> ) <sub>3</sub> X: Syntheses, Crystal Structures and Raman Spectra of Eu <sub>5</sub> (BO <sub>3</sub> ) <sub>3</sub> Cl and Ba <sub>5</sub> (BO <sub>3</sub> ) <sub>3</sub> X (X = Cl, Br). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 359-365.	0.3	14
15	Single-Crystal Structures and Vibrational Spectra of Li[SCN] and Li[SCN] · 2H <sub>2</sub> O. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 17-24.	0.3	13
16	Syntheses and Crystal Structures of the New Ternary Barium Halide Hydrides Ba <sub>2</sub> H <sub>3</sub> X (X = Cl or Br). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 23-27.	0.3	12
17	Synthesis, Crystal Structure and Optical Spectra of Yb <sub>2</sub> [CN <sub>2</sub> ] <sub>3</sub> . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 658-662.	0.3	12
18	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

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19	Different Structural Models of YB <sub>2</sub> C <sub>2</sub> and GdB <sub>2</sub> C <sub>2</sub> 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
20	Syntheses and Crystal Structures of Sr <sub>7</sub> H <sub>12</sub> X <sub>2</sub> (X = Cl, Br). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 513-518.	0.3	11
21	Calcium Carbodiimide Compounds Revisited – Syntheses, Single Crystal Structure Determination and Vibrational Spectra of Ca <sub>11</sub> N <sub>6</sub> [CN <sub>2</sub> ] <sub>2</sub> , Ca <sub>4</sub> N <sub>2</sub> [CN <sub>2</sub> ] and Ca[CN <sub>2</sub> ]. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 530-536.	0.3	11
22	Two Ternary Mixed-Anion Chlorides with Divalent Europium: Eu <sub>2</sub> H <sub>3</sub> Cl and Eu <sub>7</sub> F <sub>12</sub> Cl <sub>2</sub> . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1254-1259.	0.6	11
23	The [BN <sub>2</sub> ] <sup>3-</sup> anion – 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
24	Unsymmetrische BN <sub>2</sub> <sup>3-</sup> -Ionen in den Strukturen von Ca <sub>2</sub> ClBN <sub>2</sub> und Sr <sub>2</sub> ClBN <sub>2</sub> / Unsymmetric BN <sub>2</sub> <sup>3-</sup> -Ions in the Structures of Ca <sub>2</sub> ClBN <sub>2</sub> and Sr <sub>2</sub> ClBN <sub>2</sub> . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1997, 52, 340-344.	0.3	10
25	Ba <sub>9</sub> [NbN <sub>4</sub> ] <sub>2</sub> O[CN <sub>2</sub> ] – Synthesis, Crystal Structure and Raman Spectrum. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2003, 58, 201-204.	0.3	9
26	Alkaline Earth Metal Oxyhalides Revisited – Syntheses and Crystal Structures of Sr <sub>4</sub> OBr <sub>6</sub> , Ba <sub>4</sub> OBr <sub>6</sub> and Ba <sub>2</sub> OI <sub>2</sub> . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 519-524.	0.3	9
27	Syntheses and Characterization of Two Dicyanamide Compounds Containing Monovalent Cations: Hg <sub>2</sub> [N(CN) <sub>2</sub> ] <sub>2</sub> and Tl[N(CN) <sub>2</sub> ]. Inorganics, 2018, 6, 135.	1.2	9
28	New Calcium Hydride Halides with Familiar Structures. Syntheses and Crystal Structures of Ca <sub>7</sub> H <sub>12</sub> Cl <sub>2</sub> and Ca <sub>2</sub> H <sub>3</sub> Br. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 493-498.	0.3	8
29	About alkali metal dicyanamides: syntheses, single-crystal structure determination, DSC/TG and vibrational spectra of KCs[N(CN) <sub>2</sub> ] <sub>2</sub> and NaRb <sub>2</sub> [N(CN) <sub>2</sub> ] <sub>3</sub> · H <sub>2</sub> O. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2015, 70, 365-372.	0.3	8
30	About the air- and water-stable copper(I) dicyanamide: synthesis, crystal structure, vibrational spectra and DSC/TG analysis of Cu[N(CN) <sub>2</sub> ]. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 159-165.	0.3	8
31	Synthesis and Characterization of the New Dicyanamide LiCs <sub>2</sub> [N(CN) <sub>2</sub> ] <sub>3</sub> . Inorganics, 2018, 6, 108.	1.2	8
32	Ca <sub>5</sub> Cl <sub>3</sub> (C <sub>2</sub> )(CBC): A Compound with a Layer Structure and an Unusual Anion Combination. Angewandte Chemie - International Edition, 1998, 37, 3407-3410.	7.2	6
33	Lanthanide Nitrido Borates with Six-Membered B <sub>3</sub> N <sub>6</sub> Rings: Ln <sub>3</sub> B <sub>3</sub> N <sub>6</sub> . Angewandte Chemie - International Edition, 1999, 38, 1607-1609.	7.2	6
34	Synthesis and single-crystal structure of the pseudo-ternary compounds Li <sub>2</sub> [N(CN) <sub>2</sub> ] <sub>2</sub> (Li = K or Rb). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 157-160.	0.3	6
35	Single-crystal structure refinement of YbF <sub>2</sub> with a remark about Yb <sub>2</sub> . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 995-998.	0.3	6
36	The Last Missing Member of the AE <sub>2</sub> [BN <sub>2</sub> ]Cl Series – Synthesis, Structural and Spectroscopic Characterization of Ba <sub>2</sub> [BN <sub>2</sub> ]Cl. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 525-529.	0.3	5

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37	The first pseudo-ternary thiocyanate containing two alkali metals $\text{LiK}_2[\text{SCN}]_3$ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 161-164.	0.3	5
38	An Expected Calcium Carbido Borate Chloride: $\text{Ca}_9\text{Cl}_8(\text{BC}_2)_2$ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1999, 625, 1408-1410.	0.6	4
39	A Metal Nitride Carbodiimide with a Stuffed Skutterudite-type Structure: Synthesis, Crystal Structure and IR Spectra of $(\text{Ba}_6\text{N}_5)_2[\text{Nb}_4][\text{CN}_2]_6$ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 1246-1250.	0.3	4
40	OnemoreCompound Containing the $\text{CBN}_4$ - Ion $\text{Ca}_{15}(\text{CBN})_6(\text{C}_2)_2\text{F}_2$ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 1409-1415.	0.3	4
41	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
42	Two lithium tricyanomethanide compounds: syntheses and single-crystal structure determination of $\text{Li}[\text{C}(\text{CN})_3]_2$ 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
43	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
44	The Color of the Elements: A Combined Experimental and Theoretical Electron Density Study of $\text{ScB}_2\text{C}_2$ . Angewandte Chemie, 2019, 131, 2382-2386.	1.6	4
45	The Color of the Elements: A Combined Experimental and Theoretical Electron Density Study of $\text{ScB}_2\text{C}_2$ . Angewandte Chemie - International Edition, 2019, 58, 2360-2364.	7.2	4
46	Filling up another Gap: Synthesis and Crystal Structure of $\text{Ba}_2\text{H}_3\text{I}$ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 1087-1091.	0.3	3
47	Crystal Growth and Structure of the Barium Chloride Nitridoantatalate(V) $\text{Ba}_3\text{Cl}_2\text{TaN}_3$ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1515-1520.	0.6	3
48	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
49	Syntheses, single-crystal structures, vibrational spectra and DSC/TG analyses of orthorhombic and trigonal $\text{Ag}[\text{N}(\text{CN})_2]$ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 827-834.	0.3	3
50	Syntheses, Single-crystal Structure and Vibrational Spectra of $\text{Ca}_{15}(\text{CBN})_6(\text{C}_2)_2\text{H}_2$ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 1092-1096.	0.3	2
51	Single Crystals of Cotunnite-Type $\text{YbH}_2$ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1595-1595.	0.6	2
52	An Alternative Crystal Structure of $\text{Yb}_2\text{B}_{12}\text{O}_{57}$ $\text{X}$ -Ray Structure Determination on Flux-synthesized Single Crystals. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 294-298.	0.3	1
53	Synthesis, single-crystal structure determination and Raman spectra of the tricyanomelaminates $\text{Na}_5[\text{C}_6\text{N}_9]_2 \cdot 4\text{H}_2\text{O}$ ( $\text{Na} = \text{Tj}$ ) $\text{ETQ}_1$ 1 0.784314 rsgB	0.3	1
54	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

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55	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
56	Volume increments of some pseudohalide anions. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2019, 74, 571-573.	0.3	1
57	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
58	Syntheses, crystallographic characterization, and structural relations of $\text{Rb}[\text{SCN}]$ . Zeitschrift Fur Kristallographie - Crystalline Materials, 2022, 237, 69-75.	0.4	1
59	Synthesis, Thermal and X-Ray Investigations of the High-Temperature Phase of Copper(I) Cyanide.. ChemInform, 2003, 34, no.	0.1	0
60	$\text{Ba}_9[\text{Nb}_4]_2\text{O}[\text{CN}_2]$ Synthesis, Crystal Structure and Raman Spectrum.. ChemInform, 2003, 34, no.	0.1	0
61	Orthorhombic $\text{Ba}_3[\text{BN}_2]_2$ : A New Structure Type for an Alkaline Earth Metal Nitrido Borate.. ChemInform, 2004, 35, no.	0.1	0
62	$\text{Ca}_2[\text{BN}_2]\text{H}$ : The First Nitridoborate Hydride Synthesis, Crystal Structure, and Vibrational Spectra.. ChemInform, 2004, 35, no.	0.1	0
63	Syntheses and Crystal Structures of the Solid Solution $\text{Sr}_4\text{OBr}_{2.89(2)}\text{Cl}_{3.11(2)}$ and the Elusive $\text{Ba}_2\text{OBr}_2$ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 1000-1004.	0.3	0
64	AlkalineEarthMetal-Hydride-Iodide Compounds: Syntheses andCrystal Structures of $\text{Sr}_2\text{H}_3\text{I}$ and $\text{Ba}_5\text{H}_2\text{I}_{3.9(2)}\text{O}_2$ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 21-26.	0.3	0
65	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
66	Oxide meets silicide 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
67	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 $\text{NbI}_2\text{Cl}_2$ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 29-34.	0.3	0
68	Crystal structure of trans-dichlorotetracyanamideiron(II), $\text{Fe}(\text{NCNH}_2)_4\text{Cl}_2$ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2008, 223, 221.	0.1	0
69	Synthesis, Raman Spectrum and Single-Crystal Structure of $\text{CaBa}_8[\text{CN}_2]_6\text{O}_2(\text{N}_{0.5}\text{H}_{0.5})$ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2013, 68, 39-43.	0.3	0
70	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
71	$\text{Ba}_{21}[\text{BN}_2]_{11}[\text{C}_2]_4$ : a subvalent compound with an excess electron synthesis, crystal structure and Raman spectrum of an unprecedented alkaline-earth metal nitridoborate carbide. Australian Journal of Chemistry, 2022, .	0.5	0