

Andreas Houben

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ammonothermal Synthesis, Crystal Structure, and Vibrational Properties of the Doubly Deprotonated Calcium Guanidinate, $\text{CaC}(\text{NH})_3$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 180-183.	1.2	5
2	Syntheses and Characterization of Diammine- μ -Nickel/Cobalt(II)- μ -Bisdicyanamide $\text{M}(\text{NH})_3)_2[\text{N}(\text{CN})_2]_2$ with $\text{M} = \text{Ni}$ and Co . <i>Inorganic Chemistry</i> , 2019, 58, 7803-7811.	4.0	3
3	Atomic motions in the layered copper pseudochalcogenide CuNCN indicative of a quantum spin-liquid scenario. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 235701.	1.8	5
4	Instrumental resolution as a function of scattering angle and wavelength as exemplified for the POWGEN instrument. <i>Journal of Applied Crystallography</i> , 2017, 50, 866-875.	4.5	6
5	$\text{Cr}_2(\text{NCN})_3$, a ferromagnetic carbodiimide with an unusual two-step magnetic transition. <i>New Journal of Chemistry</i> , 2016, 40, 10512-10519.	2.8	5
6	Neutron powder diffraction and theory-aided structure refinement of rubidium and cesium ureate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2016, 71, 431-438.	0.7	5
7	Synthesis, Structure, and Properties of $\text{SrC}(\text{NH})_3$, a Nitrogen-Based Carbonate Analogue with the Trinacria Motif. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12171-12175.	13.8	12
8	A Rietveld refinement method for angular- and wavelength-dispersive neutron time-of-flight powder diffraction data. <i>Journal of Applied Crystallography</i> , 2015, 48, 1627-1636.	4.5	10
9	VITESS 2.10 - Virtual instrumentation tool for the European Spallation Source. <i>Journal of Neutron Research</i> , 2014, 17, 45-51.	1.1	4
10	Absolute efficiency measurements with the 10B based Jalousie detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 743, 90-95.	1.6	17
11	The magnetic structure of $\text{Co}(\text{NCNH})_2$ as determined by (spin-polarized) neutron diffraction. <i>Journal of Solid State Chemistry</i> , 2013, 202, 149-153.	2.9	3
12	RbCN_3H_4 and CsCN_3H_4 : A Neutron Powder and Single-Crystal X-ray Diffraction Study. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1232-1236.	1.2	16
13	High-resolution neutron diffraction study of CuNCN : New evidence of structure anomalies at low temperature. <i>Journal of Chemical Physics</i> , 2013, 139, 224707.	3.0	11
14	New neutron-guide concepts and simulation results for the POWTEX instrument. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 680, 124-133.	1.6	28
15	Local ordering and magnetism in $\text{Ga}_{0.9}\text{Fe}_{3.1}\text{N}$. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2315-2321.	2.9	22
16	Crystal Structure Refinement of $\text{M}(\text{NCNH})_2$ ($\text{M} = \text{Fe}, \text{Co}$) Based on Combined Neutron and X-ray Diffraction Data. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 1089-1091.	1.2	4
17	Ternary Nitride GaFe_3N : An Experimental and Quantum-Theoretical Study. <i>Inorganic Chemistry</i> , 2010, 49, 10148-10155.	4.0	32
18	Determination of the magnetic structure of manganese carbodiimide with diffraction experiments using polarized neutrons. <i>Physical Review B</i> , 2009, 80, .	3.2	19

#	ARTICLE	IF	CITATIONS
19	Itinerant Ferromagnet RhFe ₃ N: Advanced Synthesis and ⁵⁷ Fe Mössbauer Analysis. Chemistry of Materials, 2009, 21, 784-788.	6.7	25
20	The Ternary Nitrides GaFe ₃ N and AlFe ₃ N: Improved Synthesis and Magnetic Properties. Chemistry of Materials, 2009, 21, 4332-4338.	6.7	50
21	M_2AlC phases		