Holger Kohlmann

List of Publications by Year
in descending order

138 papers	2,389 citations	257429 24 h-index	265191 42 g-index
157 all docs	157 docs citations	157 times ranked	2446 citing authors

#	Article	IF	Citations
1	Access and in situ growth of phosphorene-precursor black phosphorus. Journal of Crystal Growth, 2014, 405, 6-10.	1.5	311
2	Electroluminescent Zinc(II) Bis(8-hydroxyquinoline):Â Structural Effects on Electronic States and Device Performance. Journal of the American Chemical Society, 2002, 124, 6119-6125.	13.7	260
3	Metalâ€“Organic Framework Luminescence in the Yellow Gap by Codoping of the Homoleptic Imidazolate _{âˆž}³[Ba(Im)₂] with Divalent Europium. Journal of the American Chemical Society, 2013, 135, 6896-6902.	13.7	76
4	Crystal structure of pseudo-six-fold carbon dioxide phase II at high pressures and temperatures. Physical Review B, 2002, 65, .	3.2	66
5	Chemical Reactions followed by in situ Neutron Powder Diffraction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 3044-3063.	1.2	48
6	Looking into the Black Box of Solidâ€State Synthesis. European Journal of Inorganic Chemistry, 2019, 2019, 4174-4180.	2.0	45
7	Structural isotope effects in metal hydrides and deuterides. Physical Chemistry Chemical Physics, 2010, 12, 2083.	2.8	42
8	In situ Neutron Powder Diffraction on Intermediate Hydrides of MgPd₃ in a Novel Sapphire Gas Pressure Cell. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 2399-2405.	1.2	40
9	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.	1.2	40
10	Europium Palladium Hydrides. Inorganic Chemistry, 2001, 40, 2608-2613.	4.0	39
11	Reaction Pathways in the Formation of Intermetallic InPd₃ Polymorphs. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1573-1579.	1.2	38
12	Bright yellow and green Eu(ii) luminescence and vibronic fine structures in LiSrH3, LiBaH3 and their corresponding deuterides. Physical Chemistry Chemical Physics, 2014, 16, 4807.	2.8	38
13	The crystal structures of EuH2 and EuLiH3 by neutron powder diffraction. Journal of Alloys and Compounds, 2000, 299, L16-L20.	5.5	37
14	Hydrogenation of palladium rich compounds of aluminium, gallium and indium. Journal of Solid State Chemistry, 2010, 183, 367-372.	2.9	34
15	Alkaline-Earth Metal Hydrides as Novel Host Lattices for Eu^{II} Luminescence. Inorganic Chemistry, 2011, 50, 5873-5875.	4.0	34
16	Mg6Ir2H11, a new metal hydride containing saddle-like [IrH4]5â^' and square-pyramidal [IrH5]4â^' hydrido complexes. Journal of Alloys and Compounds, 2002, 340, 180-188.	5.5	32
17	Hydrogen order in monoclinic ZrCr2H3.8. Journal of Alloys and Compounds, 1999, 285, 204-211.	5.5	30
18	Hydrogen-induced atomic rearrangement in MgPd3. Journal of Solid State Chemistry, 2005, 178, 1292-1300.	2.9	30

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19	Revision of the low-temperature structures of rhombohedral ZrCr2Dx (xâˆ¼3.8), and monoclinic ZrV2Dx (1.1<x<2.3) and HfV2Dx (xâˆ¼1.9). Journal of Alloys and Compounds, 2000, 309, 123-126.	5.5	29
20	Refinement of the Crystal Structures of Palladium-rich In-Pd Compounds by X-Ray and Neutron Powder Diffraction. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 929-934.	0.7	29
21	Neutron Powder Diffraction withnatSm: Crystal Structures and Magnetism of a Binary Samarium Deuteride and a Ternary Samarium Magnesium Deuteride. Chemistry - A European Journal, 2007, 13, 4178-4186.	3.3	29
22	X-ray and neutron powder diffraction study of the orderâ€“disorder transition in Eu2IrH5 and the mixed crystal compounds Eu2âˆ’xAxIrH5 (A=Ca, Sr; x=1.0, 1.5). Journal of Solid State Chemistry, 2003, 174, 35-43.	2.9	26
23	Synthesis and characterisation of chloro-vanadato-apatites (M = Ca, Sr, Ba). Solid State Sciences, 2006, 8, 64-70.	3.2	26
24	Solidâ€State Structures and Properties of Europium and Samarium Hydrides. European Journal of Inorganic Chemistry, 2010, 2010, 2582-2593.	2.0	26
25	Electronâ€“Phonon Coupling in Luminescent Europium-Doped Hydride Perovskites Studied by Luminescence Spectroscopy, Inelastic Neutron Scattering, and First-Principles Calculations. Journal of Physical Chemistry C, 2018, 122, 10501-10509.	3.1	26
26	Low-temperature deuterium ordering in the cubic Laves phase derivative Î±-ZrCr2D0.66. Journal of Alloys and Compounds, 2001, 327, L4-L9.	5.5	24
27	Eu(<scp>ii</scp>) luminescence in the perovskite host lattices KMgH₃, NaMgH₃ and mixed crystals LiBa_xSr_{1âˆ’x}H₃. Journal of Materials Chemistry C, 2014, 2, 4799-4804.	5.5	24
28	Hydrides of Alkaline Earthâ€“Tetrel (AeTt) Zintl Phases: Covalent Ttâ€“H Bonds from Silicon to Tin. Inorganic Chemistry, 2017, 56, 1061-1071.	4.0	24
29	High-pressure synthesis of novel europium magnesium hydrides. Journal of Alloys and Compounds, 2001, 322, 59-68.	5.5	23
30	Variation of the EuII Emission Wavelength by Substitution of Fluoride by Hydride in Fluorite-Type Compounds EuHxF2â€“x (0.20 â‰¤ x â‰¤ 0.67). Inorganic Chemistry, 2014, 53, 4800-4802.	4.0	23
31	The First Determination of Euâˆ’H Distances by Neutron Diffraction on the Novel Hydrides EuMg2H6 and EuMgH4. Angewandte Chemie - International Edition, 1999, 38, 2029-2032.	13.8	22
32	LiSr₂SiO₄H, an Air-Stable Hydride as Host for Eu(II) Luminescence. Inorganic Chemistry, 2018, 57, 11851-11854.	4.0	22
33	Structure and Three-Dimensional Crystal Packing Preferences for mer-Tris(8-quinolinolato)Indium(III) Vapor-Phase-Grown Crystals. Chemistry of Materials, 2004, 16, 401-406.	6.7	21
34	Homogeneity of doping with paramagnetic ions by NMR. Physical Chemistry Chemical Physics, 2016, 18, 9752-9757.	2.8	21
35	Synthesis and Crystal Structure of the ?-Modifications of US2 and USe2. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1997, 623, 785-790.	1.2	20
36	YHO, an Air-Stable Ionic Hydride. Inorganic Chemistry, 2019, 58, 14635-14641.	4.0	20

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37	Reduced Local Symmetry in Lithium Compound Li₂SrSiO₄ Distinguished by an Eu³⁺ Spectroscopy Probe. Advanced Science, 2019, 6, 1802126.	11.2	20
38	Anisotropic elastic properties ofCeRhIn5. Physical Review B, 2004, 69, .	3.2	19
39	The anti-perovskite type hydride InPd3H0.89. Journal of Solid State Chemistry, 2010, 183, 2461-2465.	2.9	19
40	Crystal Structure and Formation of TlPd₃and its new Hydride TlPd₃HÂ. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 1032-1037.	1.2	19
41	Crystal structures and hydrogenation properties of palladium-rich compounds with elements from groups 12â€“16. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 503-508.	0.7	19
42	Ionic Mixed Hydride Fluoride Compounds: Stabilities Predicted by DFT, Synthesis, and Luminescence of Divalent Europium. Journal of Physical Chemistry C, 2016, 120, 10506-10511.	3.1	19
43	Synthesis, crystal structure and magnetism of the mixed metal hydrides Eu1â^'xSrxMg2H6 (0â‰¤xâ‰¤0.6). Journal of Alloys and Compounds, 2005, 393, 11-15.	5.5	18
44	Structural relationships in complex hydrides of the late transition metals. Zeitschrift FÃ¼r Kristallographie, 2009, 224, 454-460.	1.1	18
45	Crystal structure of monoclinic samarium and cubic europium sesquioxides and bound coherent neutron scattering lengths of the isotopes ¹⁵⁴Sm and ¹⁵³Eu. Zeitschrift Fur Kristallographie - Crystalline Materials, 2016, 231, 517-523.	0.8	18
46	Magnetic Structure of SmCo₅ from 5 K to the Curie Temperature. Inorganic Chemistry, 2018, 57, 1702-1704.	4.0	18
47	Hydride Formation in the Intermetallic Compounds CePd₃ and CeRh₃. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1407-1411.	1.2	15
48	Uranium's Valency in U3S5. Journal of Solid State Chemistry, 2000, 150, 336-341.	2.9	14
49	The crystal structure of Î±-MgD₂ under high pressure by neutron powder diffraction. Zeitschrift FÃ¼r Kristallographie, 2008, 223, 706-710.	1.1	14
50	In Situ Hydrogenation of the Zintl Phase SrGe. Inorganic Chemistry, 2017, 56, 1072-1079.	4.0	14
51	Darstellung und Kristallstruktur von FeU8S17. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1997, 623, 897-900.	1.2	13
52	Sr6Mg7H26, a new saline high-pressure hydride with Ba6Zn7F26-type structure. Journal of Alloys and Compounds, 2003, 356-357, 128-132.	5.5	13
53	In Situ Neutron Powder Diffraction of the Formation of SrGa₂D₂, and Hydrogenation Behavior of YbGa₂ and EuGa₂. Inorganic Chemistry, 2013, 52, 10525-10531.	4.0	13
54	Structural and Electronic Flexibility in Hydrides of Zintl Phases with Tetrelâ€“Hydrogen and Tetrelâ€“Tetrel Bonds. Angewandte Chemie - International Edition, 2017, 56, 12344-12347.	13.8	13

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55	A sapphire single-crystal cell for in situ neutron powder diffraction of solid-gas reactions. Physica B: Condensed Matter, 2018, 551, 395-400.	2.7	13
56	Crystal structure and europium luminescence of NaMgH3â^'xFx. Journal of Solid State Chemistry, 2018, 258, 391-396.	2.9	13
57	The lanthanide hydride oxides SmHO and HoHO. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 535-538.	0.7	13
58	Pseudo-symmetry in the crystal structure of An₂X₅ compounds (An = Th, U,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	12
59	Theoretical investigation of the hydrogenation induced atomic rearrangements in palladium rich intermetallic compounds MPd3 (M = Mg, In, Tl). European Physical Journal B, 2011, 82, 1-6.	1.5	11
60	Green Luminescence of Divalent Europium in the Hydride Chloride EuHCl. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1220-1224.	1.2	11
61	HoHO: A Paramagnetic Air-Resistant Ionic Hydride with Ordered Anions. Inorganic Chemistry, 2021, 60, 3972-3979.	4.0	11
62	Hydrogen order in hydrides of Laves phases. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 319-332.	0.8	11
63	Recovery rate and homogeneity of doping europium into luminescent metal hydrides by chemical analysis. RSC Advances, 2015, 5, 9722-9726.	3.6	10
64	Ternary palladium-indium-phosphorus and platinum-indium-phosphorus compounds based on the Cu3Au-type: Structure, bonding, and properties. Journal of Solid State Chemistry, 2018, 265, 266-273.	2.9	10
65	Metal Hydrides. , 2003, , 441-458.		9
66	Synthesis and Characterization of the New Mixed Valent Compound Mn5VO8. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1134-1140.	1.2	9
67	Reinvestigation of Crystal Structure and Nonâ€Stoichiometry in Copper Hydride, CuH_{1â€“x} (0 â‰¤ x â‰¤ 0.26). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 3159-3165.	1.2	9
68	Reaction pathways of oxide-reduction-diffusion (ORD) synthesis of SmCo5 and in situ study of its hydrogen induced amorphization (HIA). Journal of Magnetism and Magnetic Materials, 2014, 370, 134-139.	2.3	9
69	Synthesis and Crystal Structure of Pd5InSe. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 417-422.	0.7	9
70	Hydrogenation Reaction Pathways in the Systems Li₃Nâ€“H₂, Li₃Nâ€“Mgâ€“H₂, and Li₃Nâ€“MgH₂â€“H₂ by in Situ X-ray Diffraction, in Situ Neutron Diffraction, and in Situ Thermal Analysis. Journal of Physical Chemistry C, 2016, 120, 13450-13455.	3.1	9
71	Hydrogenation Properties of LnAl2 (Ln = La, Eu, Yb), LaGa2, LaSi2 and the Crystal Structure of LaGa2H0.71(2). Crystals, 2019, 9, 193.	2.2	9
72	Mayenite-based electride C12A7eâ^': an innovative synthetic method via plasma arc melting. Materials Chemistry Frontiers, 2021, 5, 1301-1314.	5.9	9

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73	From magnesium based intermetallics to metal hydrides: structures, properties and reaction pathways. Zeitschrift Fur Kristallographie - Crystalline Materials, 2010, 225, .	0.8	8
74	Metal hydride synthesis through reactive milling of metals with solid acids in a planetary ball mill. International Journal of Hydrogen Energy, 2011, 36, 9086-9090.	7.1	8
75	Metal hydride formation in palladium and palladium rich intermetallic compounds studied by in situ neutron diffraction. Powder Diffraction, 2013, 28, S242-S255.	0.2	8
76	Eu²⁺-Containing Luminescent Perovskite-Type Hydrides Studied by Electron Paramagnetic Resonance. Zeitschrift Fur Physikalische Chemie, 2016, 230, 931-942.	2.8	8
77	Crystal structure and hydrogenation properties of Pd5As. Journal of Alloys and Compounds, 2016, 664, 256-265.	5.5	8
78	Hydrogenation Properties of Laves Phases LnMg2 (Ln = La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Ho, Er, Tm, Yb). Inorganic Chemistry, 2017, 56, 15006-15014.	4.0	8
79	Design and use of a sapphire single-crystal gas-pressure cell forin situneutron powder diffraction. Journal of Applied Crystallography, 2021, 54, 839-846.	4.5	8
80	The â€˜subâ€™ metallide oxide hydridesSr21Si2O5H12+xandBa21M2O5H12+x(M = Zn, Cd, Hg, In, Tl, Si, Ge, Sn, Pb) Tj ETQq0 0 0 rgBT	5.3	7
81	Reversible hydrogenation of the Zintl phases BaGe and BaSn studied by in situ diffraction. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 399-409.	0.8	7
82	The crystal structure of cubic C-type samarium sesquioxide, Sm2O3. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2019, 74, 433-435.	0.7	7
83	Computational Chemistry-Guided Syntheses and Crystal Structures of the Heavier Lanthanide Hydride Oxides DyHO, ErHO, and LuHO. Crystals, 2021, 11, 750.	2.2	7
84	Strukturelle und elektronische FlexibilitÃt in Hydriden von Zintlâ€Phasen mit Tetrelâ€Wasserstoffâ€•und Tetrelâ€Tetrelâ€Bindung. Angewandte Chemie, 2017, 129, 12515-12518.	2.0	6
85	The reversible hydrogenation of BiPd3 followed by in situ methods and the crystal structure of PbPd3D0.13(1). Journal of Alloys and Compounds, 2018, 731, 1001-1008.	5.5	6
86	Activation of the Highlyâ€Selective Pd₁₁Bi₂Se₂ during the Semiâ€Hydrogenation of Acetylene. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1777-1781.	1.2	6
87	Covalent Siâ€“H Bonds in the Zintl Phase Hydride CaSiH1+x (x â‰ˆ 1/3). Inorganics, 2019, 7, 106.	2.7	6
88	Comment on â€œStructural and Electronic Properties of the Hydrogenated ZrCr₂ Laves Phasesâ€• Journal of Physical Chemistry C, 2010, 114, 13153-13153.	3.1	5
89	New Molecular Aluminum Chloride Amides [Cl₂AlNEt₂]₂ and [HClAlNEt₂]₂ and their Boranate Analogues [(BH₄)₂AlNEt₂]₂ and [H(BH₄)AlNEt₂]₂. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 394-399.	1.2	5
90	In situ Investigations on the Formation and Decomposition of KSiH3 and CsSiH3. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 945-951.	1.2	5

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91	Nickel â€“ p-block metal mixed chalcogenides based on AuCu₃-type fragments: iodine-assisted synthesis as a way of obtaining new structures. Dalton Transactions, 2020, 49, 15081-15094.	3.3	5
92	Neutron diffraction study of the Î±- to Î²-phase transition in BaD2 under high pressure. Solid State Communications, 2020, 318, 113965.	1.9	5
93	Mayenite-Based Electride C12A7eâ¯: A Reactivity and Stability Study. Catalysts, 2021, 11, 334.	3.5	5
94	Vacancy ordering in Pd11Bi2Se2 - Crystal structure and properties. Journal of Alloys and Compounds, 2018, 735, 1914-1920.	5.5	5
95	Laves Phases Ln_{1â€“x}Eu_xMg₂ (Ln = La,) Tj ETQq1 1 0.784314 rgB La_{0.9}Eu_{0.1}Mg₂H_y_{â‰7}. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 1030-1035.	1.2	4
96	The hydrogenation of Dy5Pd2 followed by in situ methods. Journal of Solid State Chemistry, 2012, 187, 244-248.	2.9	4
97	Electronic Structure of Ternary Rhodium Hydrides with Lithium and Magnesium. Inorganic Chemistry, 2014, 53, 1135-1143.	4.0	4
98	Hydrogenation properties of Li Sr1â¯'AlSi studied by quantum-chemical methods (0â‰xâ‰1) and in-situ neutron powder diffraction (x=1). Journal of Solid State Chemistry, 2015, 221, 318-324.	2.9	4
99	Aluminum/Nitrogen Cycles and an Open Cage with Al-H and N-H Functions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1233-1239.	1.2	4
100	The Hydrogenation of the Zintl Phase NdGa Studied by in situ Neutron Diffraction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 175-181.	1.2	4
101	Validation of a Sapphire Gas-Pressure Cell for Real-Time In Situ Neutron Diffraction Studies of Hydrogenation Reactions. Quantum Beam Science, 2021, 5, 22.	1.2	4
102	Hydrogenation Reaction Pathways and Crystal Structures of La₂H₂Se, La₂H₃Se and La₂H₄Se. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	4
103	In Situ X-ray Diffraction Studies on the Production Process of Molybdenum. Inorganic Chemistry, 2022, 61, 10126-10132.	4.0	4
104	A Study on AB₂O₆ Compounds: Part I, Synthesis, Structure, Magnetic Properties and ¹⁵¹Eu MÃ¶ssbauer Spectroscopic Data of EuNb₂O₆Â. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 1069-1073.	1.2	3
105	100 years in situ diffraction. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 843-849.	0.8	3
106	From Metallic LnTt (Ln = La, Nd; Tt = Si, Ge, Sn) to Electronâ€precise Zintl Phase Hydrides LnTtH. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1532-1539.	1.2	3
107	From the Laves Phase CaRh2 to the Perovskite CaRhH3â€“in Situ Investigation of Hydrogenation Intermediates CaRh2Hx. Inorganic Chemistry, 2018, 57, 10925-10934.	4.0	3
108	Determination of elementâ€“deuterium bond lengths in Zintl phase deuterides by 2H-NMR. Physical Chemistry Chemical Physics, 2019, 21, 10594-10602.	2.8	2

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109	4.9 Rare earth metal-based hydride materials. , 2020, , 511-524.		2
110	Synthesis and Crystal Structure of BaLaSi 2 H 0.80. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1227-1230.	1.2	2
111	Solidâ€“gas reactions in synthetic chemistry: what can we learn from reaction pathways?. Russian Chemical Reviews, 2020, 89, 275-280.	6.5	2
112	Phonons observed by Laue diffraction on a continuous neutron source. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C129-C130.	0.3	2
113	From SmOF to SmH_{0.78}OF_{0.22}: H/F Substitution in Oxide Fluorides as a Synthesis Route to Heteroanionic Compounds. Inorganic Chemistry, 2021, 60, 17775-17782.	4.0	2
114	Crystal structure solution of hydrides containing natEu from neutron powder diffraction data. Physica B: Condensed Matter, 2000, 276-278, 288-289.	2.7	1
115	The crystal structure of CeRhIn5 under pressure. Physica B: Condensed Matter, 2005, 359-361, 407-409.	2.7	1
116	In situâ€Untersuchungen zur Wasserâ€stoffspeicherung in intermetallischen Phasen. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2054-2054.	1.2	1
117	How to determine the space group of a twinned crystal or one with metric specialization. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s505-s505.	0.1	1
118	In Situ Hydrogenation and Crystal Chemistry Studies of Co₂Si Type Compounds MgPd₂ and Pd₂Zn. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 367-375.	1.2	1
119	Crystal Structure and Thermal Behavior of SbC2O4OH and SbC2O4OD. Inorganics, 2020, 8, 21.	2.7	1
120	Structural Distortion in Perovskite Type KCaH 3â€“ x F x (0.54 â‰¤ x â‰¤ 3). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 175-179.	1.2	1
121	In situ Xâ€ray Powder Diffraction Study of the Reactions of CrO 2 and TlPd 3 O 4 with Hydrogen. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 740-745.	1.2	1
122	Thermodynamics of hydrogen sorption in MgPd2. Journal of Alloys and Compounds, 2021, 859, 157782.	5.5	1
123	A double-walled sapphire single-crystal gas-pressure cell (type III) for in situ neutron diffraction. Journal of Applied Crystallography, 2022, 55, 67-73.	4.5	1
124	Rotationally ordered ammonium cations in the crystal structure of (NH ₄) ₂ OsBr ₆. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	1.2	1
125	Der Isotopeneffekt bei Metallhydriden. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 2046-2046.	1.2	0
126	Substitutional Effects in EuMg2H6. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 2071-2071.	1.2	0

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127	Studies on the Hydride-Formation of Zintl-Phases. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1604-1604.	1.2	0
128	Von der Natur des Wasserstoffs in Metallen. Nachrichten Aus Der Chemie, 2016, 64, 1185-1187.	0.0	0
129	Ion Segregation and Electrostatic Imbalance in Metal Hydrides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1038-1044.	1.2	0
130	MANS-15 an der UniversitÃt Leipzig. Nachrichten Aus Der Chemie, 2017, 65, 1152-1152.	0.0	0
131	Front Cover: Aluminum/Nitrogen Cycles and an Open Cage with Al-H and N-H Functions (Z. Anorg. Allg.) Tj ETQq1 1 0.784314 rgBT /Ove	1.2	0
132	53. HemdsÃrmelkolloquium an der UniversitÃt Leipzig. Nachrichten Aus Der Chemie, 2018, 66, 779-779.	0.0	0
133	Size Matters: New Zintl Phase Hydrides of REGa (RE = Y, La, Tm) and RESi (RE = Y, Er, Tm) with Large and Small Cations. Crystals, 2019, 9, 600.	2.2	0
134	Synthesis and Crystal Structure of SnPd₃D_{0.138(7)} by Neutron Powder Diffraction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1490-1493.	1.2	0
135	The crystal structure of ZrCr₂D_{â‰ˆ4} at 50ÂKÂâ‰ÂTÂâ‰Â200ÂK. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 969-973.	0.7	0
136	Simultaneous neutron powder diffraction and Raman spectroscopyÂâ€“ an approach of combining two complementary techniques. Zeitschrift Fur Kristallographie - Crystalline Materials, 2021, 236, 325-328.	0.8	0
137	Ternary rare-earth hydride oxides: stability in air and potential use as precursors for the synthesis of materials. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2022, .	0.7	0
138	Effects of Cr Doping and Water Content on the Crystal Structure Transitions of Ba2In2O5. Crystals, 2021, 11, 1548.	2.2	0