

Rainer PÄttgen

List of Publications by Year in descending order

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133
papers

2,695
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201385

27
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44
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138
all docs

138
docs citations

138
times ranked

1496
citing authors

#	ARTICLE	IF	CITATIONS
1	Syntheses and Crystal Structures of CaCuGe, CaAuIn, and CaAuSn - Three Different Superstructures of the KHg ₂ Type. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1998, 624, 1727-1735.	0.6	192
2	Materials with ZrCuSiAs-type Structure. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 1135-1148.	0.3	187
3	Equiatomic Intermetallic Europium Compounds: Syntheses, Crystal Chemistry, Chemical Bonding, and Physical Properties. Chemistry of Materials, 2000, 12, 875-897.	3.2	119
4	Coloring, Distortions, and Puckering in Selected Intermetallic Structures from the Perspective of Group-Subgroup Relations. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 869-891.	0.6	110
5	Pnictide Oxides: A New Class of High-T _C Superconductors. Angewandte Chemie - International Edition, 2008, 47, 4782-4784.	7.2	78
6	New Stannides CaT ₂ Sn ₅ (T = Rh, Pd, Ir) and Ca ₂ Pt ₃ Sn ₅ - Synthesis, Structure and Chemical Bonding. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1999, 54, 709-717.	0.3	69
7	Structure and Properties of the Stannide Eu ₂ Au ₂ Sn ₅ , and its Relationship with the Family of BaAl ₄ -Related Structures. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1999, 54, 1155-1164.	0.3	62
8	New Indides EuAuIn ₂ , EuPdIn ₄ , GdRhIn ₂ , YbRhIn ₄ , and YbPdIn ₄ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2000, 55, 834-840.	0.3	59
9	Structure Refinement of the S-Phase Precipitate MgCuAl ₂ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2005, 60, 491-494.	0.3	58
10	Synthesis, Structure, Chemical Bonding, and Properties of CaTIn ₂ (T = ŠPd, Pt, Au). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1999, 625, 789-798.	0.6	53
11	SrRhIn ₂ , SrPdIn ₂ , SrIrIn ₂ , and SrPtIn ₂ - New Intermetallic Compounds with a Filled Variant of the Caln ₂ Structure. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1999, 54, 38-44.	0.3	47
12	Unusually Short Ce-Ru Distances in CeRuAl and Related Compounds. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2009, 64, 901-908.	0.3	44
13	New Stannide ScAgSn: Determination of the Superstructure via Two-Dimensional ⁴⁵ Sc Solid State NMR. Inorganic Chemistry, 2007, 46, 771-779.	1.9	43
14	High-temperature synthesis, crystal structure, optical properties, and magnetism of the carbidonitridosilicates Ho ₂ [Si ₄ N ₆ C] and Tb ₂ [Si ₄ N ₆ C]. Journal of Materials Chemistry, 2001, 11, 3300-3306.	6.7	41
15	New Indium-Rich Compounds EuRhIn ₂ and EuRh ₂ In ₈ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 55-60.	0.6	41
16	⁴⁵ Sc Solid State NMR Spectroscopy - A Complementary Tool to X-ray Crystallography for Structure Determination of Intermetallic Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 2232-2243.	0.6	38
17	SrPtIn, Sr ₂ Pt ₃ In ₄ , and Ca ₂ Au ₃ In ₄ - Alkaline Earth Compounds with Complex Three-Dimensional [PtIn], [Pt ₃ In ₄], and [Au ₃ In ₄] Polyanions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1999, 625, 994-1000.	0.6	36
18	Large reversible magnetocaloric effect due to a rather unstable antiferromagnetic ground state in Er ₄ NiCd. Journal of Applied Physics, 2010, 108, 113919.	1.1	35

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19	Two-Dimensional [TIn ₂] Polyanions in BaTIn ₂ (T=Rh, Pd, Ir, Pt) – The Collapse of the Three-Dimensional Indium Polyanion of BaIn ₂ . <i>Chemistry - A European Journal</i> , 2001, 7, 382-387.	1.7	34
20	EuPdIn ₂ , YbPdIn ₂ , and YbAuIn ₂ : Syntheses, Structures, and Properties of New Intermetallic Compounds with Ordered Re ₃ B-Type Structure. <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 975-979.	1.0	33
21	Structural, magnetic, and spectroscopic studies of YAgSn, TmAgSn, and LuAgSn. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2376-2385.	1.4	33
22	CaRhIn with TiNiSi Type Structure and CaTIn ₂ (T=Rh, Ir) with a New Filled Version of the Zintl Phase CaIn ₂ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2000, 626, 28-35.	0.6	31
23	⁴⁵ Sc Solid State NMR studies of the silicides ScTSi (T=Co, Ni, Cu, Ru, Rh, Pd, Ir, Pt). <i>Journal of Solid State Chemistry</i> , 2011, 184, 3303-3309.	1.4	31
24	The Gallium Intermetallics REPdGa ₃ (RE=La, Ce, Pr, Nd, Sm, Eu) with SrPdGa ₃ -type Structure. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014, 69, 1105-1118.	0.3	30
25	Red-emitting K ₃ HF ₂ WO ₂ F ₄ :Mn ⁴⁺ for application in warm-white phosphor-converted LEDs – optical properties and magnetic resonance characterization. <i>Dalton Transactions</i> , 2019, 48, 5361-5371.	1.6	30
26	Cu[B ₂ (SO ₄) ₄] ₄ and Cu[B(SO ₄) ₂ (HSO ₄)] ₄ – Two Silicate Analogue Borosulfates Differing in their Dimensionality: A Comparative Study of Stability and Acidity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9548-9552.	7.2	28
27	Structure, Chemical Bonding and ¹¹⁹ Sn Mössbauer Spectroscopy of LaRhSn and CeRhSn. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005, 60, 1036-1042.	0.3	27
28	Zn ₃ and Ga ₃ Triangles as Building Units in Sr ₂ Au ₆ Zn ₃ and Sr ₂ Au ₆ Ga ₃ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 2444-2449.	0.6	27
29	Sr ₂ Au ₆ Al ₃ and Eu ₂ Au ₆ Al ₃ – First Representatives of the Sr ₂ Au ₆ Zn ₃ Type with Aluminum Triangles. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014, 69, 121-124.	0.3	27
30	<i>RE</i> ₂ [B ₂ (SO ₄) ₆] (<i>RE</i> = Y, La – Nd, Sm, Eu,) <i>Tj ETQq0 0 0 rgBT /Overloc</i> 2019, 48, 4387-4397.	1.6	27
31	Insight into the Li Ion Dynamics in Li ₁₂ Si ₇ : Combining Field Gradient Nuclear Magnetic Resonance, One- and Two-Dimensional Magic-Angle Spinning Nuclear Magnetic Resonance, and Nuclear Magnetic Resonance Relaxometry. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28350-28360.	1.5	23
32	Synthesis and Structural Relationship of the Ternary Indides Sc ₃ Ni _{2.10(5)} In _{3.60(5)} , Sc ₃ Ni _{2.14(2)} In _{3.76(2)} , ScPd _{0.981(2)} In and Sc ₃ Rh _{1.594(9)} In ₄ . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004, 59, 182-189.	0.3	21
33	Synthesis, Crystal Structure and Magnetic Properties of Bixbyite-type Vanadium Oxide Nitrides. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2009, 64, 281-286.	0.3	21
34	Half Antiperovskites VI: On the Substitution Effects in Shandites In _x Sn ₂ Co ₃ S ₂ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 286-294.	0.6	21
35	Synthesis and structure of the scandium-rich indides Sc ₅ Ni ₂ In ₄ and Sc ₅ Rh ₂ In ₄ . <i>Heteroatom Chemistry</i> , 2005, 16, 364-368.	0.4	20
36	PbO / PbF ₂ Flux Growth of YScO ₃ and LaScO ₃ Single Crystals – Structure and Solid-State NMR Spectroscopy. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2010, 65, 1199-1205.	0.3	19

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37	Sc ₄ Pt ₇ Si ₂ – An Intergrowth Structure of ScPtSi and ScPt Related Slabs. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 972-976.	0.6	19
38	Infinite Linear Zinc Chains in AAu ₄ Zn ₂ (A= Ca, Ce, Pr, Nd) with YbAl ₄ Mo ₂ Type Structure. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2575-2580.	0.6	19
39	Tuneable anisotropy and magnetism in Sn ₂ Co ₃ S ₂ ·xSex – probed by ¹¹⁹ Sn Mössbauer spectroscopy and DFT studies. Dalton Transactions, 2015, 44, 15855-15864.	1.6	19
40	Ag[B(SO ₄) ₂] ₂ – Synthesis, Crystal Structure, and Characterization of the First Precious-Metal Borosulfate. European Journal of Inorganic Chemistry, 2017, 2017, 3981-3989.	1.0	19
41	Synthesis of a Cyclic Co ₂ Sn ₂ Cluster Using a Co ⁺ Synthon. Journal of the American Chemical Society, 2018, 140, 13195-13199.	6.6	19
42	Structure and Properties of ¹ - and ² -CeCuSn: A Single Crystal and Mössbauer Spectroscopic Investigation. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 647-657.	0.3	18
43	YPdSn and YPd ₂ Sn: Structure, ⁸⁹ Y solid state NMR and ¹¹⁹ Sn Mössbauer spectroscopy. Journal of Solid State Chemistry, 2012, 190, 216-220.	1.4	18
44	Diluting europium spins – a magnetic and ¹⁵¹ Eu Mössbauer spectroscopic investigation of the solid solution Eu _{1-x} Sr _x PtIn ₂ . Dalton Transactions, 2019, 48, 3648-3657.	1.6	18
45	Structure and properties of Ce ₃ Pd ₃ Bi ₄ , CePdBi, and CePd ₂ Zn ₃ . Monatshefte Für Chemie, 2008, 139, 1143-1149.	0.9	16
46	Equiatomic intermetallic compounds RE PtMg (RE = Y, Eu, Tb-Tm, Lu) – Structure and magnetism. Solid State Sciences, 2017, 67, 64-71.	1.5	16
47	Oxo-Hydroxoferrate K ₂ Fe ₄ O ₇ (OH): Hydroflux Synthesis, Chemical and Thermal Instability, Crystal and Magnetic Structures. ChemistryOpen, 2019, 8, 74-83.	0.9	16
48	Antiferromagnetic Alkali Metal Oxohydroxoferrates(III) with Correlated Hydrogen Bonding Systems. ChemistryOpen, 2019, 8, 1399-1406.	0.9	16
49	On the phosphors Na ₅ M(WO ₄) ₄ (M = Y, La – Nd, Sm – Lu, Bi) – crystal structures, thermal decomposition, and optical and magnetic properties. Dalton Transactions, 2020, 49, 8209-8225.	1.6	16
50	Structural Investigation of ScAuSi and ScAuGe using ⁴⁵ Sc Solid State NMR. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 173-176.	0.3	15
51	Magnesium and Cadmium in Covalently Bonded Lonsdaleite Networks: Synthesis, Structure, and Bonding of Mg ₂ and Sr ₂ Cd ₂ (= Ca, Sr; T = Pd,) Tj ETQqJ61 0.784314 rgB		
52	Cerium Valence Change in the Solid Solutions Ce(Rh _{1-x} Rux)Sn. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2013, 68, 960-970.	0.3	15
53	Magnetic and magnetocaloric properties of the equiatomic europium intermetallics EuAgZn, EuAgCd, EuPtZn and EuAuCd. Intermetallics, 2020, 120, 106765.	1.8	15
54	Synthesis and Structure of Sr ₂ Pd ₂ In and Sr ₂ Pt ₂ In. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 1563-1566.	0.3	14

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55	New Rhodium-rich Germanides RERh_6Ge_4 (RE = Y, La, Pr, Nd, Sm-Lu). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 2623-2630.	0.6	14
56	Bonding Situation in Stannocene and Plumbocene N-Heterocyclic Carbene Complexes. <i>Organometallics</i> , 2020, 39, 516-527.	1.1	14
57	$\text{Zr}_5\text{Ir}_2\text{In}_4$? A Superstructure of the $\text{Lu}_5\text{Ni}_2\text{In}_4$ Type. <i>Monatshefte Für Chemie</i> , 2005, 136, 127-135.	0.9	13
58	Ternary Silicides $\text{Sc}_3\text{T}_3\text{Si}_3$ ($\text{T} = \text{Ru, Rh, Ir, Pt}$) – Structure, Chemical Bonding, and Solid State NMR. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 1839-1850.	0.6	13
59	¹⁵⁵ Gd Mössbauer Spectroscopy on Intermetallics – An Overview. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 2244-2255.	0.6	13
60	New Indium-rich Indides SrTIn_4 (T = Ni, Pd, Pt). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007, 62, 1407-1410.	0.3	12
61	$\text{Sc}_2(\text{MoO}_4)_3$ and $\text{Sc}_2(\text{WO}_4)_3$: Halide Flux Growth of Single Crystals and ⁴⁵ Sc Solid-state NMR. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2010, 65, 13-17.	0.3	12
62	MOFs by Transformation of 1D Coordination Polymers II: The Homoleptic Divalent Rare Earth 3D Benzotriazolate $\text{m}^3\text{-infty}[\text{Eu}(\text{Btz})_2]$ Initiating from $\text{m}^1\text{-infty}[\text{Eu}(\text{Btz})_2(\text{BtzH})_2]$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 1720-1725.	0.6	12
63	Redox-Active, Dinuclear Sandwich Compounds $[\text{Cp}^*\text{Fe}(\text{L})\text{FeCp}^*]$ (L = Naphthalene and Anthracene). <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1632-1638.	1.0	12
64	Cooperative Magnetism in Crystalline Aryl-Substituted Verdazyl Radicals: First Principles Predictions and Experimental Results. <i>Chemistry - A European Journal</i> , 2017, 23, 6069-6082.	1.7	12
65	$\text{Ni}[\text{B}_2(\text{SO}_4)_4]$ and $\text{Co}[\text{B}_2(\text{SO}_4)_4]$: Unveiling Systematic Trends in Phyllosilicate Analogue Borosulfates. <i>Chemistry - A European Journal</i> , 2020, 26, 17405-17415.	1.7	12
66	The solid solution $\text{Gd}_2\text{Ni}_x\text{Cu}_2\text{Mg}_{1-x}$: Large reversible magnetocaloric effect and a drastic change of the magnetism by substitution. <i>Journal of Applied Physics</i> , 2010, 108, 043903.	1.1	11
67	Synthesis, Crystal Structure, and Magnetic Properties of Pyrochlore-Type $\text{Eu}_2\text{Ta}_2(\text{O,N})_7\text{H}_2$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1824-1830.	0.6	11
68	Rare-Earth-Free Magnets: Enhancing Magnetic Anisotropy and Spin Exchange Toward High- TC $\text{Hf}_2\text{M}_5\text{B}_2$ ($\text{M} = \text{Mn, Fe}$). <i>Journal of the American Chemical Society</i> , 2021, 143, 4205-4212.	6.6	11
69	Structure Refinement of BaIrIn_2 . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005, 60, 118-120.	0.3	10
70	Europium Phosphate, Europium Arsenate, and Europium Antimonate – Correlation of Crystal Structure and Physical Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 2139-2148.	0.6	10
71	Magnetic hyperfine field splitting in EuAg_4As_2 and EuAg_4Sb_2 . <i>Solid State Sciences</i> , 2013, 20, 65-69.	1.5	10
72	$\text{LiEuMo}_2\text{O}_8$ – crystal growth, structure, and optical properties. <i>Optical Materials</i> , 2014, 36, 585-590.	1.7	10

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73	Black-box determination of temperature-dependent susceptibilities for crystalline organic radicals with complex magnetic topologies. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28262-28273.	1.3	10
74	Tin and Lead Alkoxides of Ethylene Glycol and Glycerol and their Decomposition to Oxide Materials. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3820-3831.	1.0	10
75	Structure, Magnetic Properties and ^{151}Eu , ^{119}Sn Mössbauer Spectroscopy of $\text{Eu}_{5}\text{Sn}_{3}\text{S}_{12}$ and $\text{Eu}_{4}\text{LuSn}_{3}\text{S}_{12}$. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007, 62, 5-14.	0.3	9
76	^{151}Eu Mössbauer Spectroscopic Characterization of $\text{EuRu}_{4}\text{B}_{4}$ and the New Boride $\text{EuRu}_{4}\text{B}_{4}$. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2010, 65, 90-94.	0.3	9
77	Structure and Chemical Bonding of ScNiB_{4} . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 2071-2076.	0.6	9
78	$\text{RE}_{6}\text{Pd}_{13}\text{Zn}_{4}$ ($\text{RE} = \text{La}, \text{Nd}, \text{Sm}, \text{Gd}, \text{Tb}$) – New Palladium-rich Phases with Pd@RE_{6} Octahedra in bcc Packing. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 2747-2752.	0.6	9
79	Investigation of the cation valency and conductivity of antimony-substituted ceria. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2295-2304.	1.2	9
80	Temperature and time dependent photoluminescence of single crystalline $\text{KEu}(\text{WO}_{4})_{2}$. <i>Journal of Luminescence</i> , 2019, 215, 116653.	1.5	9
81	Synthesis and Crystal Structure of $\text{Zr}_{5}\text{Rh}_{2}\text{In}_{4}$ and $\text{Hf}_{5}\text{Rh}_{2}\text{In}_{4}$ – New Ternary Indides with $\text{Lu}_{5}\text{Ni}_{2}\text{In}_{4}$ Type Structure. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002, 57, 1353-1358.	0.3	8
82	On the Solid Solutions $\text{Eu}_{1-x}\text{Pt}_{2}\text{In}_{x}$, $\text{Gd}_{1-x}\text{Pt}_{2}\text{In}_{x}$, and $\text{Tm}_{1-x}\text{Ni}_{2}\text{In}_{x}$. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005, 60, 393-397.	0.3	8
83	Drastic Decrease of the Curie Temperature in the Solid Solution GdRuxCd_{1-x} . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2009, 64, 356-360.	0.3	8
84	Intermetallic Compounds with Multiple Yttrium Sites - An_{89}Y Solid State NMR Spectroscopic Study. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1303-1308.	0.6	8
85	From Laboratory Press to Spins with Giant Effects. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15642-15644.	7.2	8
86	^{11}B and ^{89}Y solid state MAS NMR spectroscopic investigations of the layered borides YTB_{4} ($\text{T} = \text{Mo}, \text{W}, \text{Re}$). <i>Dalton Transactions</i> , 2019, 48, 1118-1128.	1.6	8
87	The Solid Solution $\text{TmNi}_{1-x}\text{YIn}_{1+x}$. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004, 59, 893-897.	0.3	7
88	Syntheses and Structure of $\text{Gd}_{3}\text{Rh}_{1.940(7)}\text{In}_{4}$. <i>Monatshefte Für Chemie</i> , 2005, 136, 1985-1991.	0.9	7
89	Ferromagnetic Ordering in the Thallide EuPdTi_{2} . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2006, 61, 159-163.	0.3	7
90	Transition Metal Centered Trigonal Prisms as Building Units in Various Rare Earth-Transition Metal-Indides. <i>Monatshefte Für Chemie</i> , 2006, 137, 249-261.	0.9	7

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91	The Stannides YNi_xSn_2 ($x = 0, 0.14, 0.21, 1$) – Syntheses, Structure, and ^{119}Sn Mössbauer Spectroscopy. Monatshefte für Chemie, 2007, 138, 381-388.	0.9	7
92	Nickel-deficient Stannides $\text{Eu}_{2-x}\text{Ni}_x\text{Sn}_5$ – Structure, Magnetic Properties, and Mössbauer Spectroscopic Characterization. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2009, 64, 1107-1114.	0.3	7
93	Structure and Magnetic Properties of GdPt_2In and GdPt_2Sn . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2009, 64, 170-174.	0.3	7
94	Synthesis and characterization of amorphous mesoporous silica using TEMPO-functionalized amphiphilic templates. Journal of Solid State Chemistry, 2016, 237, 93-98.	1.4	7
95	Ferro- or antiferromagnetism? Heisenberg chains in the crystal structures of verdazyl radicals. Physical Chemistry Chemical Physics, 2018, 20, 22902-22908.	1.3	7
96	$\text{Eu}(\text{O}_2\text{C}\text{---}\text{C}\text{---}\text{C}\text{---}\text{O})_2$: An Eu II Containing Anhydrous Coordination Polymer with High Stability and Negative Thermal Expansion. Chemistry - A European Journal, 2020, 26, 2726-2734.	1.7	7
97	The Stannide LiRh_3Sn_5 – Synthesis, Structure, and Chemical Bonding. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2005, 60, 933-939.	0.3	6
98	Magnetic Ordering in CeZnGe . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2009, 64, 361-364.	0.3	6
99	Silicon Ordering in $\text{RE}_3\text{Rh}_9\text{Si}_2\text{Sn}_3$ ($\text{RE} = \text{Tl, Tl, Tl, Tl, Tl, Tl, Tl, Tl, Tl}$) 10.784314	0.6	6
100	Coloring variants of the Re_3B type. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, 76, 263-274.	0.3	6
101	The Indide $\text{Er}_2.30(1)\text{Ni}_{1.84(1)}\text{In}_{0.70(1)}$ – A New Superstructure of the U_3Si_2 Family. Monatshefte für Chemie, 2006, 137, 7-13.	0.9	5
102	$\text{Ca}_4\text{Au}_{10}\text{Zn}_3$ – A Substitution Variant of AlB_2 by Incorporation of Zn_3 Triangles. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2174-2180.	0.6	5
103	Antiferromagnetic ordering based on intermolecular London dispersion interactions in amphiphilic TEMPO ammonium salts. Physical Chemistry Chemical Physics, 2018, 20, 28979-28983.	1.3	5
104	Ternary platinides $\text{Sr}_4\text{In}_{13}\text{Pt}_9$ and $\text{Eu}_5\text{In}_9\text{Pt}_7$. Monatshefte für Chemie, 2019, 150, 1163-1173.	0.9	5
105	On the crystal structure and optical spectroscopy of rare earth comprising quaternary tungstates $\text{Li}_3\text{Ba}_2\text{RE}_3(\text{WO}_4)_8$ ($\text{RE} = \text{La, Nd, Sm, Ho}$). Dalton Transactions, 2021, 50, 9225-9235.	1.6	5
106	Polymorphism and optical, magnetic and thermal properties of the either phyllo- or inosilicate-analogous borosulfate $\text{Cu}_2(\text{SO}_4)_4$. Dalton Transactions, 2022, 51, 3104-3115.	1.6	5
107	$\text{Sc}_5\text{Pd}_4\text{Si}_6$ – crystal structure and ^{29}Si / ^{45}Sc solid state MAS NMR spectroscopic investigations. Dalton Transactions, 2018, 47, 13025-13031.	1.6	4
108	Rare-earth solid-state NMR spectroscopy of intermetallic compounds: The case of the ^{175}Lu isotope. Solid State Nuclear Magnetic Resonance, 2019, 101, 63-67.	1.5	4

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109	EuPtSn ₂ – A Stannide with Sn ₂ Dumbbells in a Three-dimensional [PtSn ₂] ²⁻ Polyanion. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 106-113.	0.6	4
110	Group-subgroup schemes for MoNi ₄ , Nb ₄ N ₅ , KxFe ₂ ~ySe ₂ , Nd ₁₀ Au ₃ As ₈ O ₁₀ and CsInCl ₃ : i5 superstructures of I4/m allowing atom, charge or vacancy ordering. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 29-39.	0.4	4
111	The tin sulfates Sn(SO ₄) ₂ and Sn ₂ (SO ₄) ₃ : crystal structures, optical and thermal properties. Dalton Transactions, 2021, 50, 12913-12922.	1.6	4
112	Ternary plumbides AT ₂ Pb ₂ (A=Ca, Sr, Ba, Eu; T=Rh, Pd, Pt) with distorted, lonsdaleite-related substructures of tetrahedrally connected lead atoms. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 903-911.	0.3	4
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