

Oliver Janka

List of Publications by Year in descending order

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138
papers

1,699
citations

361413

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434195

31
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165
all docs

165
docs citations

165
times ranked

1566
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Study of FePt Nanoparticles-Induced Morphology Development during Printing of Magnetic Hybrid Diblock Copolymer Films. <i>Advanced Functional Materials</i> , 2022, 32, 2107667.	14.9	3
2	Polymorphism and optical, magnetic and thermal properties of the either phyllo- or inosilicate-analogous borosulfate $\text{Cu}_2(\text{SO}_4)_4$. <i>Dalton Transactions</i> , 2022, 51, 3104-3115.	3.3	5
3	SrAl_5Pt_3 and $\text{Sr}_2\text{Al}_{16}\text{Pt}_9$ – two new strontium aluminum platinides. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2022, 77, 367-379.	0.7	2
4	Triangular Arrangement of Ferromagnetic Iron Chains in the High- T_C Ferromagnet $\text{TiFe}_{1-x}\text{Os}_{2+x}\text{B}_2$. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	2
5	Electrochemical lithium recovery with lithium iron phosphate: what causes performance degradation and how can we improve the stability?. <i>Sustainable Energy and Fuels</i> , 2021, 5, 3124-3133.	4.9	14
6	(Pseudo)binary Antimonides: Insights on Local Ordering and Effective Charge Configurations from ^{121}Sb MAS NMR and Mössbauer Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1454-1466.	3.1	2
7	Rare-Earth-Free Magnets: Enhancing Magnetic Anisotropy and Spin Exchange Toward High- T_C $\text{Hf}_2\text{M}_5\text{B}_2$ ($M = \text{Mn, Fe}$). <i>Journal of the American Chemical Society</i> , 2021, 143, 4205-4212.	13.7	11
8	Thermoplastic Silsesquioxane Hybrid Polymers with a Local Ladder-Type Structure. <i>Macromolecules</i> , 2021, 54, 3873-3885.	4.8	11
9	$\text{Nd}_5\text{O}_5\text{Se}_4$ and $\text{Sm}_5\text{O}_5\text{Se}_4$: New layered oxide fluoride selenides of the lanthanoids. <i>Solid State Sciences</i> , 2021, 116, 106601.	3.2	5
10	Structural, Physical, Theoretical and Spectroscopic Investigations of Mixed-Valent $\text{Eu}_2\text{Ni}_8\text{Si}_3$ and Its Structural Anti-Type $\text{Sr}_2\text{Pt}_3\text{Al}_8$. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3832.	2.0	3
11	Synthesis, crystal and electronic structure of CaNi_2Al_8 . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021, 76, 659-668.	0.7	2
12	Multianvil high-pressure/high-temperature synthesis and characterization of magnetoelectric $\text{HP-Co}_3\text{TeO}_6$. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5486-5496.	5.5	5
13	Cu_2ZnSb_4 : A Thioantimonate(V) with Remarkably Strong Covalent Sb-S Bonding. <i>Inorganic Chemistry</i> , 2021, 60, 2730-2739.	4.0	4
14	Porous Mixed-Metal Oxide Li-Ion Battery Electrodes by Shear-Induced Co-assembly of Precursors and Tailored Polymer Particles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61166-61179.	8.0	12
15	The role of beryllium in alloys, Zintl phases and intermetallic compounds. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2020, 75, 421-439.	0.7	12
16	Squares of gold atoms and linear infinite chains of Cd atoms as building units in the intermetallic phases REAu_4Cd_2 ($\text{RE} = \text{La} \sim \text{Nd, Sm}$) with YbAl_4Mo_2 -type structure. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2020, 75, 73-82.	0.7	3
17	Physical and Magnetocaloric Properties of TbPdAl_2 and the Ferromagnetic Solid Solution $\text{Tb}_{1-x}\text{Lu}_x\text{PdAl}_2$ ($x = 0.1 \sim 0.9$). <i>Inorganic Chemistry</i> , 2020, 59, 1137-1144.	4.0	4
18	Temperature and time-dependent luminescence of single crystals of $\text{KTb}_3\text{F}_{10}$. <i>Journal of Luminescence</i> , 2020, 227, 117523.	3.1	5

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19	On the phosphors $\text{Na}_5\text{M}(\text{WO}_4)_4$ ($\text{M} = \text{Y}, \text{La}, \text{Nd}, \text{Sm}, \text{Lu}, \text{Bi}$) crystal structures, thermal decomposition, and optical and magnetic properties. Dalton Transactions, 2020, 49, 8209-8225.	3.3	16
20	A new class of mixed-valent europium halide ortho-oxoborates: $\text{Eu}_6\text{X}[\text{BO}_3]_4$ ($\text{X} = \text{Cl}$ and Br). Journal of Alloys and Compounds, 2020, 844, 156038.	5.5	2
21	$\text{Ni}[\text{B}_2(\text{SO}_4)_4]$ and $\text{Co}[\text{B}_2(\text{SO}_4)_4]$: Unveiling Systematic Trends in Phyllosilicate Analogue Borosulfates. Chemistry - A European Journal, 2020, 26, 17405-17415.	3.3	12
22	Mechanochemical Synthesis of $\text{Cu}_2\text{MgSn}_3\text{S}_8$ and $\text{Ag}_2\text{MgSn}_3\text{S}_8$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 5-9.	1.2	10
23	Tin-rich Phases $\text{RE}_2\text{Au}_3\text{Sn}_6$ with $\text{RE} = \text{La}, \text{Ce}, \text{Pr}, \text{Nd}, \text{Sm}$ Synthesis, Structure, Magnetic Properties, and ^{119}Sn Mössbauer Spectra. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1508-1516.	1.2	2
24	On the divalent character of the Eu atoms in the ternary Zintl phases $\text{Eu}_5\text{In}_2\text{Pn}_6$ and Eu_3MAs_3 ($\text{Pn} = \text{Tl}, \text{Pb}, \text{Bi}, \text{Po}$). Journal of Solid State Chemistry, 2020, 387, 101507.	8.9	22
25	Magnetic Properties of the $\text{RE}_2\text{Pt}_6\text{X}_{15}$ ($\text{RE} = \text{Y}, \text{Tm}, \text{Yb}$) Series. Journal of Solid State Chemistry, 2020, 387, 101507.	1.0	5
26	On the formation of the $\text{Gd}_3\text{Ru}_4\text{Al}_{12}$ versus the $\text{Y}_2\text{Co}_3\text{Ga}_9$ type structure $\text{M}_3\text{Rh}_4\text{Al}_{12}$ ($\text{M} = \text{Ca}, \text{Sr}$). Journal of Solid State Chemistry, 2020, 387, 101507.	3.3	7
27	Extending the knowledge on the quaternary rare earth nickel aluminum germanides of the $\text{RENiAl}_4\text{Ge}_2$ series ($\text{RE} = \text{Y}, \text{Sm}, \text{Gd}, \text{Tm}, \text{Lu}$) structural, magnetic and NMR-spectroscopic investigations. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 149-162.	0.7	2
28	Elucidating the physical properties of the molybdenum oxide Mo_4O_{11} and its tantalum substituted variant $\text{Mo}_2\text{Ta}_2\text{O}_{11}$. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 143-155.	0.8	11
29	Structure solution of incommensurately modulated $\text{La}_6\text{MnSb}_{15}$. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 291-301.	0.8	1
30	Synthesis and magnetic properties of the extended $\text{RE}_4\text{Pd}_9\text{Al}_{24}$ series ($\text{RE} = \text{Sc}, \text{Y}, \text{Ce}, \text{Nd}, \text{Sm}, \text{Gd}, \text{Lu}$). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 633-641.	0.7	2
31	Structural transition and antiferromagnetic ordering in the solid solution $\text{CePd}_x\text{Au}_{1-x}\text{Al}_{0.1}$ ($0 < x < 1$). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 895-901.	0.7	1
32	Lithiumpyridinyl-Driven Synthesis of High-Purity Zero-Valent Iron Nanoparticles and Their Use in Follow-Up Reactions. Small, 2019, 15, 1902321.	10.0	10
33	Unusually strong heteroatomic bonding in the complex polyanion of intermetallic $\text{Ba}_6\text{Pt}_{22}\text{Al}_{53}$. Dalton Transactions, 2019, 48, 14103-14114.	3.3	3
34	Synthesis, crystal and electronic structure, physical properties and ^{121}Sb and ^{151}Eu Mössbauer spectroscopy of the $\text{Eu}_4\text{AlPn}_{11}$ series ($\text{Pn} = \text{As}, \text{Sb}$). Inorganic Chemistry Frontiers, 2019, 6, 137-147.	6.0	17
35	An Unusual Valence State: Trivalent Europium in Intermetallic $\text{Eu}_2\text{Ir}_3\text{Al}_9$. Chemistry - A European Journal, 2019, 25, 3505-3509.	3.3	14
36	New members of the tetragonal $\text{RE}_4\text{T}_3\text{Al}_3$ ($\text{RE} = \text{Sc}, \text{Y}, \text{Dy}, \text{Tm}, \text{Lu}; \text{T} = \text{Cu}, \text{Rh}, \text{Pd}$) series. Monatshefte Fur Chemie, 2019, 150, 1175-1185.	1.8	3

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55	Cu[B ₂ (SO ₄) ₂] ₄ und Cu[B(SO ₄) ₂ (HSO ₄)] ₄ – zwei silicatanaloge Borosulfate unterschiedlicher Dimensionalität: Vergleich von Stabilität und Azidität. <i>Angewandte Chemie</i> , 2018, 130, 9693-9697.	2.0	12
56	Two series of rare earth metal-rich ternary aluminium transition metallides – RE ₆ Co ₂ Al (RE=Sc, Y, Nd.) <i>Tj ETQq0 0 0 rgBT /Overlock 10</i> <i>Journal of Chemical Sciences</i> , 2018, 73, 927-942.	0.7	9
57	Structural and magnetic investigations of the pseudo-ternary $\langle i \rangle \text{RE} \langle /i \rangle \langle sub \rangle 2 \langle /sub \rangle \langle i \rangle \text{T} \langle /i \rangle \text{Al} \langle sub \rangle 3 \langle /sub \rangle$ series ($\langle i \rangle \text{RE} \langle /i \rangle = \text{Sc, Y, La} \hat{=} \text{Nd, Sm, Gd} \hat{=} \text{Lu}$; $\langle i \rangle \text{T} \langle /i \rangle = \text{Ru, Rh, Ir}$) – size dependent formation of two different structure types. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> . 2018, 73, 819-830.	0.7	7
58	Short-Range Antiferromagnetic Ordering of Netlike S = 1/2 Linear Trimeric Units in the Copper Germanate K ₂ Cu ₃ Ge ₄ O ₁₂ . <i>Inorganic Chemistry</i> , 2018, 57, 14421-14426.	4.0	4
59	Abrupt Europium Valence Change in Eu ₂ Pt ₆ Al ₁₅ around 45 K. <i>Journal of the American Chemical Society</i> , 2018, 140, 8950-8957.	13.7	31
60	Crystal Structure, Spectroscopic Investigations, and Physical Properties of the Ternary Intermetallic REPt ₂ Al ₃ (RE = Y, Dy – Tm) and RE ₂ Pt ₃ Al ₄ Representatives (RE = Tm, Lu). <i>Crystals</i> , 2018, 8, 169.	2.2	9
61	A Dimeric $\hat{=} \langle sup \rangle 1 \langle /sup \rangle, \hat{=} \langle sup \rangle 5 \langle /sup \rangle \hat{=} \text{Germole Dianion Bridged Titanium(III) Complex with a Multicenter Ti} \hat{=} \text{Ge} \hat{=} \text{Ge} \hat{=} \text{Ti Bond. } \hat{=} \text{Angewandte Chemie - International Edition, 2018, 57, 8634-8638.}$	13.8	27
62	A Dimeric $\hat{=} \langle sup \rangle 1 \langle /sup \rangle, \hat{=} \langle sup \rangle 5 \langle /sup \rangle \hat{=} \text{Germole Dianion Bridged Titanium(III) Complex with a Multicenter Ti} \hat{=} \text{Ge} \hat{=} \text{Ge} \hat{=} \text{Ti Bond. } \hat{=} \text{Angewandte Chemie, 2018, 130, 8770-8774.}$	2.0	8
63	The High-Pressure Oxide Tb ₃ O ₅ and its Non-Centrosymmetric Low-Temperature Polymorph – A Comprehensive Study. <i>Chemistry - A European Journal</i> , 2018, 24, 15236-15245.	3.3	9
64	Ferro- or antiferromagnetism? Heisenberg chains in the crystal structures of verdazyl radicals. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22902-22908.	2.8	7
65	Synthesis, Crystal Structures, and Magnetic and Electrochemical Properties of Highly Phenyl Substituted Trinuclear 5,6,11,12,17,18-Hexaazatrinaphthylene (HATNPh ₆)-Bridged Titanium Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 11165-11174.	4.0	8
66	Innentitelbild: Cu[B ₂ (SO ₄) ₄] und Cu[B(SO ₄) ₂ (HSO ₄)] ₂ - zwei silicatanaloge Borosulfate unterschiedlicher Dimensionalität: Vergleich von Stabilität und Azidität (<i>Angew. Chem.</i> 30/2018). <i>Angewandte Chemie</i> , 2018, 130, 9330-9330.	2.0	0
67	The high-pressure phase of CePtAl. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2017, 72, 77-82.	0.7	1
68	Network Formation by Condensed Tetrahedral [Au ₃ Al] Units in Na ₂ Au ₃ Al: Crystal and Electronic Structure, Spectroscopic Investigations, and Physical Properties of an Ordered Ternary Auride. <i>Inorganic Chemistry</i> , 2017, 56, 1919-1931.	4.0	10
69	Ternary gallides $\langle i \rangle \text{RE} \langle /i \rangle \langle sub \rangle 4 \langle /sub \rangle \text{Rh} \langle sub \rangle 9 \langle /sub \rangle \text{Ga} \langle sub \rangle 5 \langle /sub \rangle$, $\langle i \rangle \text{RE} \langle /i \rangle \langle sub \rangle 5 \langle /sub \rangle \text{Rh} \langle sub \rangle 12 \langle /sub \rangle \text{Ga} \langle sub \rangle 7 \langle /sub \rangle$ and $\langle i \rangle \text{RE} \langle /i \rangle \langle sub \rangle 7 \langle /sub \rangle \text{Rh} \langle sub \rangle 18 \langle /sub \rangle \text{Ga} \langle sub \rangle 11 \langle /sub \rangle$ ($\langle i \rangle \text{RE} \langle /i \rangle = \text{Y, La} \hat{=} \text{Nd, Sm, Gd, Tb}$) – intergrowth structures with MgCu ₂ and CaCu ₅ related slabs. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2017, 232, 365-374.	0.8	2
70	Equiatomic AEAuX (AE=Ca – Ba, X=Al – In) Intermetallics: A Systematic Study of their Electronic Structure and Spectroscopic Properties. <i>Chemistry - A European Journal</i> , 2017, 23, 4187-4196.	3.3	12
71	Flux Synthesis, Crystal Structures, and Magnetic Ordering of the Rare-Earth Chromium(II) OxyseLENides RE ₂ CrSe ₂ O ₂ (RE = La – Nd). <i>Inorganic Chemistry</i> , 2017, 56, 2241-2247.	4.0	5
72	HP-MoO ₂ : A High-Pressure Polymorph of Molybdenum Dioxide. <i>Inorganic Chemistry</i> , 2017, 56, 2321-2327.	4.0	13

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73	Synthesis, crystal and electronic structures, physical properties and ^{121}Sb and ^{151}Eu Mössbauer spectroscopy of the alumo-antimonide Zintl-phase $\text{Eu}_5\text{Al}_2\text{Sb}_6$. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1563-1572.	5.9	17
74	$\text{Mo}_2\text{B}_4\text{O}_9$ "Connecting Borate and Metal Cluster Chemistry. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6449-6453.	13.8	32
75	The monoclinic superstructure of the $\text{M}_2\text{Pt}_6\text{Al}_{15}$ series ($\text{M} = \text{Ca}, \text{Sc}, \text{Y}, \text{La}, \text{Lu}$). <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2017, 232, 675-687.	0.8	14
76	$\text{Ag}[\text{B}(\text{SO}_4)_2]_2$ " Synthesis, Crystal Structure, and Characterization of the First Precious-Metal Borosulfate. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3981-3989.	2.0	19
77	Structural Characterization of Intermetallic Compounds by ^{27}Al Solid State NMR Spectroscopy. <i>Accounts of Chemical Research</i> , 2017, 50, 1459-1467.	15.6	20
78	Strong intermolecular antiferromagnetic verdazyl " verdazyl coupling in the solid state. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15681-15685.	2.8	9
79	Synthesis and Characterization of the High-Pressure Nickel Borate $\text{Ni}_3\text{B}_4\text{O}_7$. <i>Inorganic Chemistry</i> , 2017, 56, 4217-4228.	4.0	22
80	Superstructure formation in PrNi_2Al_3 and ErPd_2Al_3 . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2017, 232, 573-581.	0.8	8
81	Ternary rhombohedral Laves phases $\text{RE}_2\text{Rh}_3\text{Ga}$ ($\text{RE} = \text{Y}, \text{La}, \text{Nd}, \text{Sm}$). <i>TJ ETQq1 1 0</i>	0.7	26
82	Festkörperchemie 2016. <i>Nachrichten Aus Der Chemie</i> , 2017, 65, 255-265.	0.0	0
83	Cooperative Magnetism in Crystalline $\text{N}(\text{Ar})_6$ Substituted Verdazyl Radicals: First Principles Predictions and Experimental Results. <i>Chemistry - A European Journal</i> , 2017, 23, 6069-6082.	3.3	12
84	Synthesis, Crystal Structure, and Magnetic Properties of Pyrochlore-Type $\text{Eu}_2\text{Ta}_2(\text{O},\text{N})_7$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1824-1830.	1.2	11
85	Ternary rare-earth aluminium intermetallics $\text{RE}_{10}\text{TA}_3$ ($\text{RE} = \text{Y}, \text{Ho}, \text{Tm}, \text{Lu}; \text{T} = \text{Fe}$). <i>TJ ETQq1 1 0.784314 rgBT</i>	3.3	19
86	EPR and Structural Characterization of Water-Soluble Mn^{2+} -Doped Si Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1948-1956.	3.1	8
87	Diradicaloid or Zwitterionic Character: The Non-Tetrahedral Unsaturated Compound $[\text{Si}_4\{\text{N}(\text{SiMe}_3)_2\text{Dipp}\}_4]$ with a Butterfly-type Si_4 Substructure. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13866-13871.	13.8	37
88	$\text{Li}_3\text{Co}_{1.06(1)}\text{TeO}_6$: synthesis, single-crystal structure and physical properties of a new tellurate compound with $\text{Co}^{\text{II}}/\text{Co}^{\text{III}}$ mixed valence and orthogonally oriented Li-ion channels. <i>Dalton Transactions</i> , 2017, 46, 12663-12674.	3.3	12
89	Front Cover: $\text{Ag}[\text{B}(\text{SO}_4)_2]$ - Synthesis, Crystal Structure, and Characterization of the First Precious-Metal Borosulfate. (<i>Eur. J. Inorg. Chem.</i> 34/2017). <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3979-3979.	2.0	0
90	On Ternary Intermetallic Aurides: CaAu_2Al_2 , SrAu_2Al_2 and $\text{Ba}_3\text{Au}_5\text{Al}_6$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1379-1390.	1.2	7

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91	Structure Elucidation and Characterization of the High-Pressure Nickel Borate Hydroxide NiB ₃ O ₅ (OH). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1344-1350.	1.2	9
92	Crystal Structures of the High-Pressure Palladium Dichalcogenides Pd _{0.94} (1)S ₂ and Pd _{0.88} (1)Se ₂ Comprising Exceptional PdIV Oxidation States. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1415-1423.	1.2	18
93	The High-Pressure Nickel Borate Hydrate Ni ₃ B ₁₈ O ₂₈ (OH) ₄ ·H ₂ O. European Journal of Inorganic Chemistry, 2017, 2017, 3508-3515.	2.0	8
94	Platinum Triangles in the Pt/Al Framework of the Intermetallic RE ₃ Pt ₆ Al ₃ (RE = Ce, Nd, Sm, Gd, Tb) Series. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1836-1843.	1.2	14
95	Ag[B(SO ₄) ₂] - Synthesis, Crystal Structure, and Characterization of the First Precious-Metal Borosulfate. European Journal of Inorganic Chemistry, 2017, 2017, 3980-3980.	2.0	0
96	Hydrogenation Properties of Laves Phases LnMg ₂ (Ln = La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Ho, Er, Tm, Yb). Inorganic Chemistry, 2017, 56, 15006-15014.	4.0	8
97	Magnetic properties of the germanides RE ₃ Pt ₄ Ge ₆ (RE = Y, Pr, Nd, Sm, Gd, Dy). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 855-864.	0.7	6
98	Reduction of Dioxygen by Radical/B(C ₆ F ₄ X) ₃ Pairs to Give Isolable Bis(borane)superoxide Compounds. Angewandte Chemie - International Edition, 2017, 56, 16641-16644.	13.8	25
99	Hydrogenation-induced cerium valence change in CeNiZn. Journal of Alloys and Compounds, 2017, 724, 515-519.	5.5	2
100	Microstructure investigations of Yb- and Bi-doped Mg ₂ Si prepared from metal hydrides for thermoelectric applications. Journal of Solid State Chemistry, 2017, 245, 152-159.	2.9	20
101	Sr ₂ Pd ₄ Al ₅ : Synthesis, Crystal and Electronic Structures, and Chemical Bonding of a Polar Intermetallic Compound. European Journal of Inorganic Chemistry, 2016, 2016, 1108-1114.	2.0	8
102	Revisiting Ce ₃ Pt ₄ Ge ₆ crystal structure and physical properties. Inorganic Chemistry Frontiers, 2016, 3, 1289-1296.	6.0	7
103	On new ternary equiatomic scandium transition metal aluminum compounds ScTAl with T = Cr, Ru, Ag, Re, Pt, and Au. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 553-566.	0.7	12
104	Black-box determination of temperature-dependent susceptibilities for crystalline organic radicals with complex magnetic topologies. Physical Chemistry Chemical Physics, 2016, 18, 28262-28273.	2.8	10
105	EuAu ₃ Al ₂ : Crystal and Electronic Structures and Spectroscopic, Magnetic, and Magnetocaloric Properties. Inorganic Chemistry, 2016, 55, 9057-9064.	4.0	16
106	RE ₁₆ Au _x Al _{13x} with RE = La, Nd, Sm (x ≈ 3.37): synthesis, crystal structure and physical properties of an intermetallic solid solution with barrelane analogue units. Dalton Transactions, 2016, 45, 13863-13871.	3.3	6
107	Inorganic Double Helices in Semiconducting SnIP. Advanced Materials, 2016, 28, 9783-9791.	21.0	73
108	Experimental and theoretical investigations of the polar intermetallics SrPt ₃ Al ₂ and Sr ₂ Pd ₂ Al. Journal of Solid State Chemistry, 2016, 242, 143-150.	2.9	17

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109	Cerium intermetallics with TiNiSi-type structure. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 737-764.	0.7	64
110	SrPt ₂ Al ₂ â€” A (3+2)D-incommensurately modulated variant of the CaBe ₂ Ge ₂ type structure. Zeitschrift Fur Kristallographie - Crystalline Materials, 2016, 231, 127-142.	0.8	7
111	Cerium intermetallics CeTX â€” review III. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 165-191.	0.7	45
112	High-pressure high-temperature crystal growth of equiatomic rare earth stannides RENiSn and REPdSn. Journal of Solid State Chemistry, 2016, 236, 138-146.	2.9	15
113	Two Hexagonal Series of Lanthanoid(III) Oxide Fluoride Selenides: $M_6O_2F_8Se_3$ ($M = La \text{--} Nd$) and M_2OF_2Se ($M = Nd, Sm, Gd \text{--} Ho$). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1926-1933.	1.2	7
114	Gradual Cerium Valence Change in the Solid Solution CeRu _{1-x} Pd _x Al ($x = 0.1 \text{--} 0.9$). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1792-1797.	1.2	6
115	Structure and Magnetic Properties of Ce ₃ (Ni/Al/Ga) ₁₁ â€” A New Phase with the La ₃ Al ₁₁ Structure Type. Crystals, 2015, 5, 1-8.	2.2	1
116	New transition metal-rich rare-earth palladium/platinum aluminides with RET ₅ Al ₂ composition: structure, magnetism and ²⁷ Al NMR spectroscopy. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2015, 70, 101-110.	0.7	20
117	²⁷ Al and ⁴⁵ Sc NMR Spectroscopy on Sc _{1-x} T _x Al ₂ and Sc _{0.5} T _{0.5} Al ₂ (T = Ni, Pd, Pt, Cu). Tj ETQq1 1 0.7843	1.2	24
118	Sc(Pd _{0.5} Au _{0.5}) ₂ Al. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 168-175.		
118	Ba ₃ Pt ₄ Al ₄ â€” Structure, Properties, and Theoretical and NMR Spectroscopic Investigations of a Complex Platinide Featuring Heterocubane [Pt ₄ Al ₄] Units. Inorganic Chemistry, 2015, 54, 10785-10793.	4.0	23
119	The Gallium Intermetallics REPdGa ₃ (RE=La, Ce, Pr, Nd, Sm, Eu) with SrPdGa ₃ -type Structure. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 1105-1118.	0.7	30
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