

Oliver Janka

List of Publications by Year in descending order

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138
papers

1,699
citations

361296

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31
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165
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165
docs citations

165
times ranked

1566
citing authors

#	ARTICLE	IF	CITATIONS
1	Glass-like lattice thermal conductivity and high thermoelectric efficiency in $\text{Yb}_9\text{Mn}_{4.2}\text{Sb}_9$. <i>Journal of Materials Chemistry A</i> , 2014, 2, 215-220.	5.2	109
2	Inorganic Double Helices in Semiconducting SnIP. <i>Advanced Materials</i> , 2016, 28, 9783-9791.	11.1	73
3	Cerium intermetallics with TiNiSi-type structure. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2016, 71, 737-764.	0.3	64
4	Localized 5f electrons in superconducting PuCoIn_5 : consequences for superconductivity in PuCoGa_5 . <i>Journal of Physics Condensed Matter</i> , 2012, 24, 052206.	0.7	51
5	Cerium intermetallics CeTX – review III. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2016, 71, 165-191.	0.3	45
6	Diradicaloid or Zwitterionic Character: The Non-Tetrahedral Unsaturated Compound $[\text{Si}_4\{\text{N}(\text{SiMe}_3)\text{Dipp}\}_4]$ with a Butterfly-type Si_4 Substructure. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13866-13871.	7.2	37
7	Ultraviolet Upconversion Luminescence in a Highly Transparent Triply-Doped $\text{Gd}^{3+}\text{Tm}^{3+}\text{Yb}^{3+}$ Fluoride Phosphate Glasses. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2275-2284.	1.5	33
8	$\text{Mo}_2\text{B}_4\text{O}_9$ – Connecting Borate and Metal Cluster Chemistry. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6449-6453.	7.2	32
9	Abrupt Europium Valence Change in $\text{Eu}_2\text{Pt}_6\text{Al}_{15}$ around 45 K. <i>Journal of the American Chemical Society</i> , 2018, 140, 8950-8957.	6.6	31
10	The Gallium Intermetallics REPdGa_3 ($\text{RE}=\text{La}, \text{Ce}, \text{Pr}, \text{Nd}, \text{Sm}, \text{Eu}$) with SrPdGa_3 -type Structure. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014, 69, 1105-1118.	0.3	30
11	Facile Synthesis of Bastnaesite-type $\text{LaF}[\text{CO}_3]$ and Its Thermal Decomposition to LaOF for Bulk and Eu^{3+} -Doped Samples. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 357-362.	1.0	28
12	$\text{Cu}[\text{B}_2(\text{SO}_4)_4]$ and $\text{Cu}[\text{B}(\text{SO}_4)_2(\text{HSO}_4)]$ – 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
13	A Dimeric Ti^1, Ti^5 – Gemole Dianion Bridged Titanium(III) Complex with a Multicenter $\text{Ti}^{\sim}\text{Ge}^{\sim}\text{Ge}^{\sim}\text{Ti}$ Bond. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8634-8638.	7.2	27
14	Ternary rhombohedral Laves phases $\text{RE}_2\text{Rh}_3\text{Ga}$ ($\text{RE}=\text{Y}, \text{La}, \text{Nd}, \text{Sm}$). <i>Tj ETQq0 0 0 rg</i>	0.3	26
15	Reduction of Dioxide by Radical $\text{C}_6\text{F}_4\text{X}_3$ Pairs to Give Isolable Bis(borane)superoxide Compounds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16641-16644.	7.2	25
16	Sc^{27}Al and Sc^{45}Sc NMR Spectroscopy on ScTi_2Al and $\text{ScTi}_{0.5}\text{Ta}_{0.5}\text{Al}$ ($\text{Ti} = \text{Ni}, \text{Pd}, \text{Pt}, \text{Cu}$). <i>Tj ETQq0 0 0 rgBT / O</i>	0.6	24
17	$\text{Sc}(\text{Pd}_{0.5}\text{Au}_{0.5})_2\text{Al}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 168-175. From 3D to 2D: Structural, Spectroscopic and Theoretical Investigations of the Dimensionality Reduction in the $[\text{PtAl}_2]^{2-}$ Polyanions of the Isotypic $\text{M}[\text{PtAl}_2]$ Series ($\text{M}=\text{Ca}, \text{Ba}, \text{Eu}$). <i>Chemistry - A European Journal</i> , 2019, 25, 10735-10747.	1.7	24
18	$\text{Ba}_3\text{Pt}_4\text{Al}_4$ – Structure, Properties, and Theoretical and NMR Spectroscopic Investigations of a Complex Platinide Featuring Heterocubane $[\text{Pt}_4\text{Al}_4]$ Units. <i>Inorganic Chemistry</i> , 2015, 54, 10785-10793.	1.9	23

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19	Synthesis and Characterization of the High-Pressure Nickel Borate $\hat{I}^3\text{-NiB}_{4}\text{O}_{7}$. Inorganic Chemistry, 2017, 56, 4217-4228.	1.9	22
20	On the divalent character of the Eu atoms in the ternary Zintl phases $\text{Eu}_{5}\text{In}_{2}\text{Pn}_{6}$ and $\text{Eu}_{3}\text{MAs}_{3}$ (Pn = Tl, Pb, Sn, Bi, Po, At, Rf, Th, U, Np, Pu, Am, Cm, Bk, Cf, Es, Fm, Md, No, Lr). Dalton Transactions, 2017, 2017, 1071-1077.	8.2	22
21	New transition metal-rich rare-earth palladium/platinum aluminides with $\text{RE}_{2}\text{Al}_{2}$ composition: structure, magnetism and ^{27}Al NMR spectroscopy. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2015, 70, 101-110.	0.3	20
22	Structural Characterization of Intermetallic Compounds by ^{27}Al Solid State NMR Spectroscopy. Accounts of Chemical Research, 2017, 50, 1459-1467.	7.6	20
23	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.	1.4	20
24	$\text{Ag}[\text{B}(\text{SO}_{4})_{2}]_{2}$ – Synthesis, Crystal Structure, and Characterization of the First Precious-Metal Borosulfate. European Journal of Inorganic Chemistry, 2017, 2017, 3981-3989.	1.0	19
25	Ternary rare-earth aluminium intermetallics $\text{RE}_{10}\text{Al}_{3}$ (RE = Y, Ho, Tm, Lu; T = Fe, Co, Ni, Cu, Zn, Ga, In, Sn, Pb, Bi, Po, At, Rf, Th, U, Np, Pu, Am, Cm, Bk, Cf, Es, Fm, Md, No, Lr). Dalton Transactions, 2017, 46, 1083-1092.	1.6	19
26	Crystal Structures of the High-Pressure Palladium Dichalcogenides $\text{Pd}_{0.94}(1)\text{S}_{2}$ and $\text{Pd}_{0.88}(1)\text{Se}_{2}$ Comprising Exceptional Pd IV Oxidation States. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1415-1423.	0.6	18
27	Experimental and theoretical investigations of the polar intermetallics $\text{SrPt}_{3}\text{Al}_{2}$ and $\text{Sr}_{2}\text{Pd}_{2}\text{Al}$. Journal of Solid State Chemistry, 2016, 242, 143-150.	1.4	17
28	Synthesis, crystal and electronic structures, physical properties and ^{121}Sb and ^{151}Eu Mössbauer spectroscopy of the alumo-antimonide Zintl-phase $\text{Eu}_{5}\text{Al}_{2}\text{Sb}_{6}$. Materials Chemistry Frontiers, 2017, 1, 1563-1572.	3.2	17
29	RE_{4}TAl (RE = Y, Sm, Gd – Tm, Lu; T = Pd, Pt) – Synthesis and magnetism of new aluminum representatives with the Gd_{4}RhIn type structure. Intermetallics, 2018, 96, 84-89.	1.8	17
30	Synthesis, crystal and electronic structure, physical properties and ^{121}Sb and ^{151}Eu Mössbauer spectroscopy of the $\text{Eu}_{14}\text{AlPn}_{11}$ series (Pn = As, Sb). Inorganic Chemistry Frontiers, 2019, 6, 137-147.	3.0	17
31	$\text{EuAu}_{3}\text{Al}_{2}$: Crystal and Electronic Structures and Spectroscopic, Magnetic, and Magnetocaloric Properties. Inorganic Chemistry, 2016, 55, 9057-9064.	1.9	16
32	$\text{Fe}_{2}\text{Si}_{5}\text{N}_{8}$: Access to Open-Shell Transition-Metal Nitridosilicates. Angewandte Chemie - International Edition, 2018, 57, 2409-2412.	7.2	16
33	Correlations of Crystal and Electronic Structure via NMR and X-ray Photoelectron Spectroscopies in the RETMAl_{2} (RE = Sc, Y, La – Nd, Sm, Gd – Tm, Lu; TM = Ni, Pd, Pt) Series. Inorganic Chemistry, 2019, 58, 7010-7025.	1.9	16
34	On the phosphors $\text{Na}_{5}\text{M}(\text{WO}_{4})_{4}$ (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
35	Synthesis and Theoretical Investigations of the Solid Solution $\text{CeRu}_{1-x}\text{Ni}_{x}\text{Al}$ ($x = 0.1$ – 0.95) Showing Cerium Valence Fluctuations. Inorganic Chemistry, 2014, 53, 2471-2480.	1.9	15
36	High-pressure high-temperature crystal growth of equiatomic rare earth stannides RENiSn and REPdSn . Journal of Solid State Chemistry, 2016, 236, 138-146.	1.4	15

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37	The monoclinic superstructure of the $M_2Pt_6Al_{15}$ series ($M = Ca, Sc, Y, La, Lu$). <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2017, 232, 675-687.	0.4	14
38	Platinum Triangles in the Pt/Al Framework of the Intermetallic $REPt_6Al_3$ ($RE = Ce, Nd, Sm, Gd, Tb$) Series. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1836-1843.	0.6	14
39	An Unusual Valence State: Trivalent Europium in Intermetallic $Eu_2Ir_3Al_9$. <i>Chemistry - A European Journal</i> , 2019, 25, 3505-3509.	1.7	14
40	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.	2.5	14
41	$HP-MoO_2$: A High-Pressure Polymorph of Molybdenum Dioxide. <i>Inorganic Chemistry</i> , 2017, 56, 2321-2327.	1.9	13
42	Valence State of Eu and Superconductivity in Se-Substituted $EuSr_2Bi_2S_4F_4$ and $Eu_2SrBi_2S_4F_4$. <i>Inorganic Chemistry</i> , 2018, 57, 37-44.	1.9	13
43	On new ternary equiatomic scandium transition metal aluminum compounds $ScTAl$ with $T = Cr, Ru, Ag, Re, Pt, and Au$. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2016, 71, 553-566.	0.3	12
44	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.	1.7	12
45	Cooperative Magnetism in Crystalline NAr -Substituted Verdazyl Radicals: First Principles Predictions and Experimental Results. <i>Chemistry - A European Journal</i> , 2017, 23, 6069-6082.	1.7	12
46	$Li_3Co_{1.06(1)}TeO_6$: synthesis, single-crystal structure and physical properties of a new tellurate compound with Co^{II}/Co^{III} mixed valence and orthogonally oriented Li-ion channels. <i>Dalton Transactions</i> , 2017, 46, 12663-12674.	1.6	12
47	$Fe_2Si_5N_8$: Access to Open-Shell Transition-Metal Nitridosilicates. <i>Angewandte Chemie</i> , 2018, 130, 2433-2436.	1.6	12
48	$Cu[B_2(SO_4)_4]_4$ und $Cu[B(SO_4)_4]_2(HSO_4)_4$ – zwei silicatanaloge Borosulfate unterschiedlicher Dimensionalität: Vergleich von Stabilität und Azidität. <i>Angewandte Chemie</i> , 2018, 130, 9693-9697.	1.6	12
49	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.	0.3	12
50	$Ni[B_2(SO_4)_4]$ and $Co[B_2(SO_4)_4]$: Unveiling Systematic Trends in Phyllosilicate Analogue Borosulfates. <i>Chemistry - A European Journal</i> , 2020, 26, 17405-17415.	1.7	12
51	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.	4.0	12
52	Synthesis, Crystal Structure, and Magnetic Properties of Pyrochlore-Type $Eu_2Ta_2(O,N)_7+$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1824-1830.	0.6	11
53	Binary Polyazides of Cerium and Gadolinium. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 778-790.	1.0	11
54	Open-Shell 3d Transition Metal Nitridophosphates $MIIIP_8N_{14}$ ($MII = Fe, Co, Ni$) by High-Pressure Metathesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4685-4689.	7.2	11

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55	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.	6.6	11
56	Thermoplastic Silsesquioxane Hybrid Polymers with a Local Ladder-Type Structure. <i>Macromolecules</i> , 2021, 54, 3873-3885.	2.2	11
57	Elucidating the physical properties of the molybdenum oxide Mo_4O_{11} and its tantalum substituted variant $\text{Mo}_2\text{Ta}_2\text{O}_{11}$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2020, 235, 143-155.	0.4	11
58	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
59	Network Formation by Condensed Tetrahedral $[\text{Au}_3\text{Al}]$ Units in $\text{Na}_2\text{Au}_3\text{Al}$: Crystal and Electronic Structure, Spectroscopic Investigations, and Physical Properties of an Ordered Ternary Auride. <i>Inorganic Chemistry</i> , 2017, 56, 1919-1931.	1.9	10
60	Lithiumpyridinyl-Driven Synthesis of High-Purity Zero-Valent Iron Nanoparticles and Their Use in Follow-Up Reactions. <i>Small</i> , 2019, 15, 1902321.	5.2	10
61	Intermetallic $\text{RE}_6\text{T}_5\text{Al}_7$ Phases ($\text{RE} = \text{Sc, Y, Ce-Nd, Sm, Gd-Lu; T} = \text{Tj, Er, Qq}$) 1.0784314 rgBT / Overlock 10 58, 16211-16226.	1.9	10
62	Temperature induced valence phase transition in intermediate-valent YbPd_2Al_3 . <i>Chemical Science</i> , 2019, 10, 11086-11094.	3.7	10
63	Mechanochemical Synthesis of $\text{Cu}_2\text{MgSn}_3\text{S}_8$ and $\text{Ag}_2\text{MgSn}_3\text{S}_8$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 5-9.	0.6	10
64	Synthese und Kristallstruktur der N $_3$ -armen Nitridselenide des Formeltyps M_5NSe_6 ($M = \text{La-Pr}$) mit isolierten Tetraederdoppeln $[\text{N}_2\text{M}_6]^{12+}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 1045-1051.	0.6	9
65	$\text{RE}_6\text{Pd}_{13}\text{Zn}_4$ ($\text{RE} = \text{La-Nd, Sm, Gd, Tb}$) - New Palladium-rich Phases with $\text{Pd}@_{\text{RE}_6}$ Octahedra in bcc Packing. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 2747-2752.	0.6	9
66	Strong intermolecular antiferromagnetic verdazyl- verdazyl coupling in the solid state. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15681-15685.	1.3	9
67	Structure Elucidation and Characterization of the High-Pressure Nickel Borate Hydroxide $\text{NiB}_3\text{O}_5(\text{OH})$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1344-1350.	0.6	9
68	Two series of rare earth metal-rich ternary aluminium transition metallides - $\text{RE}_6\text{Co}_2\text{Al}$ ($\text{RE} = \text{Sc, Y, Nd}$) 0.0 rgBT / Overlock 10 <i>Journal of Chemical Sciences</i> , 2018, 73, 927-942.	0.3	9
69	Crystal Structure, Spectroscopic Investigations, and Physical Properties of the Ternary Intermetallic REPt_2Al_3 ($\text{RE} = \text{Y, Dy-Tm}$) and $\text{RE}_2\text{Pt}_3\text{Al}_4$ Representatives ($\text{RE} = \text{Tm, Lu}$). <i>Crystals</i> , 2018, 8, 169.	1.0	9
70	The High-Pressure Oxide Tb_3O_5 and its Non-Centrosymmetric Low-Temperature Polymorph - A Comprehensive Study. <i>Chemistry - A European Journal</i> , 2018, 24, 15236-15245.	1.7	9
71	Open-Shell 3d Transition Metal Nitridophosphates $\text{M}_2\text{P}_8\text{N}_{14}$ ($M = \text{Fe, Co, Ni}$) by High-Pressure Metathesis. <i>Angewandte Chemie</i> , 2019, 131, 4733-4737.	1.6	9
72	$\text{Sr}_2\text{Pd}_4\text{Al}_5$: Synthesis, Crystal and Electronic Structures, and Chemical Bonding of a Polar Intermetallic Compound. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1108-1114.	1.0	8

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73	Superstructure formation in PrNi ₂ Al ₃ and ErPd ₂ Al ₃ . Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 573-581.	0.4	8
74	EPR and Structural Characterization of Water-Soluble Mn ²⁺ -Doped Si Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 1948-1956.	1.5	8
75	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.	1.0	8
76	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.	1.9	8
77	A Dimeric μ_1, μ_5 -Germole Dianion Bridged Titanium(III) Complex with a Multicenter Ti ^{III} -Ge ^{IV} -Ti Bond. Angewandte Chemie, 2018, 130, 8770-8774.	1.6	8
78	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. Inorganic Chemistry, 2018, 57, 11165-11174.	1.9	8
79	Oxide Fluoride Sulfides of the Lanthanoids with the Formula M ₃ O ₂ F ₅ (M = Nd, Sm, Gd-Ho) (In German). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 0213.	0.3	8
80	Er ₃ O ₂ F ₅ : Ein Erbiumoxidfluorid mit Vernier-Struktur. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 37-39.	0.6	7
81	Two Hexagonal Series of Lanthanoid(III) Oxide Fluoride Selenides: $\text{M}_6\text{O}_2\text{F}_8\text{Se}_3$ (M = La–Nd) and $\text{M}_2\text{O}_2\text{F}_2\text{Se}$ (M = Nd, Sm, Gd–Ho). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1926-1933.	0.6	7
82	Revisiting Ce ₃ Pt ₄ Ge ₆ crystal structure and physical properties. Inorganic Chemistry Frontiers, 2016, 3, 1289-1296.	3.0	7
83	SrPt ₂ Al ₂ – A (3+2)D-incommensurately modulated variant of the CaBe ₂ Ge ₂ type structure. Zeitschrift Fur Kristallographie - Crystalline Materials, 2016, 231, 127-142.	0.4	7
84	On Ternary Intermetallic Aurides: CaAu ₂ Al ₂ , SrAu ₂ Al ₂ and Ba ₃ Au ₅ Al ₆ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1379-1390.	0.6	7
85	Structural and magnetic investigations of the pseudo-ternary RE ₂ TAl ₃ series (RE = Sc, Y, La–Nd, Sm, Gd–Lu; T = Ru, Rh, Ir) – size dependent formation of two different structure types. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 819-830.	0.3	7
86	Ferro- or antiferromagnetism? Heisenberg chains in the crystal structures of verdazyl radicals. Physical Chemistry Chemical Physics, 2018, 20, 22902-22908.	1.3	7
87	On the formation of the Gd ₃ Ru ₄ Al ₁₂ versus the Y ₂ Co ₃ Ga ₉ type structure – M ₃ Rh ₄ Al ₁₂ (M = Ca, Tj) ETQq1 1 0.784314 rgBT ₇ /Overlock	1.6	7
88	Crystal Structure, Magnetic and Transport Properties of CeRu _{1-x} Ni _x Al (x = 0.5). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1996-2000.	0.6	6
89	Oxidfluoridsulfide der Lanthanoide vom Formeltyp M ₆ O ₂ F ₈ S ₃ (M = La–Nd, Sm, Gd) / Oxide Fluoride Sulfides of the Lanthanoids with the Formula M ₆ O ₂ F ₈ S ₃ (M = La–Nd, Sm, Gd). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2013, 68, 751-760.	0.3	6
90	Magnetic Ordering in the Solid Solution CePt _{1-x} Pd _x Al (x) Tj ETQq0 0 0 rgBT ₆ /Overlock	0.6	6

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91	Gradual Cerium Valence Change in the Solid Solution CeRu _x Pd _{1-x} Al ($x = 0.1-0.9$). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1792-1797.	0.6	6
92	RE ₁₆ Au _x Al _{13x} with RE = La-Nd, Sm ($x \approx 3.37$): synthesis, crystal structure and physical properties of an intermetallic solid solution with barrelane analogue units. Dalton Transactions, 2016, 45, 13863-13871.	1.6	6
93	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.	0.3	6
94	Short- and Medium-Range Order in Photothermal Refractive Glass Revealed by Solid-State NMR Techniques. Journal of Physical Chemistry C, 2019, 123, 12411-12422.	1.5	6
95	Two fluoride-containing oxotantalates(V) of the light lanthanides: NdTa ₂ O ₆ and La ₃ Cl ₃ TaO ₅ F. Solid State Sciences, 2009, 11, 1992-1997.	1.5	5
96	Flux Synthesis, Crystal Structures, and Magnetic Ordering of the Rare-Earth Chromium(II) Oxyselelenides RE ₂ CrSe ₂ O ₂ (RE = La-Nd). Inorganic Chemistry, 2017, 56, 2241-2247.	1.9	5
97	Structural phase transitions in YPtGe ₂ and GdPtGe ₂ . Dalton Transactions, 2018, 47, 6075-6088.	1.6	5
98	Antiferromagnetic ordering based on intermolecular London dispersion interactions in amphiphilic TEMPO ammonium salts. Physical Chemistry Chemical Physics, 2018, 20, 28979-28983.	1.3	5
99	Intermetallics of the types RE ₃ Pd ₃ X ₂ and RE ₃ Pt ₃ X ₂ (RE = La-Nd, Sm, Gd, Tb; X = In, Sn) with substructures featuring tin and In atoms in distorted square-planar coordination. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2019, 74, 865-878.	0.3	5
100	Temperature and time-dependent luminescence of single crystals of KTb ₃ F ₁₀ . Journal of Luminescence, 2020, 227, 117523.	1.5	5
101	Magnetic Properties of the RE ₂ Pt ₆ X ₁₅ (RE = Y, Tm) 1.0784314 rg BT 1199-1210.	1.0	5
102	Nd ₅ O ₅ Se ₄ and Sm ₅ O ₅ Se ₄ : New layered oxide fluoride selenides of the lanthanoids. Solid State Sciences, 2021, 116, 106601.	1.5	5
103	Multianvil high-pressure/high-temperature synthesis and characterization of magnetoelectric HP-Co ₃ TeO ₆ . Journal of Materials Chemistry C, 2021, 9, 5486-5496.	2.7	5
104	Polymorphism and optical, magnetic and thermal properties of the either phyllo- or inosilicate-analogous borosulfate Cu[B ₂ (SO ₄) ₄]. Dalton Transactions, 2022, 51, 3104-3115.	1.6	5
105	Short-Range Antiferromagnetic Ordering of Netlike S = 1/2 Linear Trimeric Units in the Copper Germanate K ₂ Cu ₃ Ge ₄ O ₁₂ . Inorganic Chemistry, 2018, 57, 14421-14426.	1.9	4
106	Crystal structure and magnetic properties of the ternary rare earth metal-rich transition metallides RE ₁₄ T ₃ Al ₃ (RE = Y, Gd-Tm, Lu; T = Co, Tm) 1.0784314 rg BT /Over	1.0	4
107	Physical and Magnetocaloric Properties of TbPdAl ₂ and the Ferromagnetic Solid Solution Tb _x Lu _{1-x} PdAl ₂ ($x = 0.1-0.9$). Inorganic Chemistry, 2020, 59, 1137-1144.	1.9	4
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