Oliver Janka

List of Publications by Year
in descending order

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138	1,699	361296 20	434063 31
papers	citations	h-index	g-index

165	165	165	1566
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In Situ Study of FePt Nanoparticlesâ€Induced Morphology Development during Printing of Magnetic Hybrid Diblock Copolymer Films. Advanced Functional Materials, 2022, 32, 2107667.	7.8	3
2	Polymorphism and optical, magnetic and thermal properties of the either phyllo- or inosilicate-analogous borosulfate Cu[B₂(SO₄)₄]. Dalton Transactions, 2022, 51, 3104-3115.	1.6	5
3	SrAl₅Pt₃ and Sr₂Al₁₆Pt₉ â€“ two new strontium aluminum platinides. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2022, 77, 367-379.	0.3	2
4	Triangular Arrangement of Ferromagnetic Iron Chains in the Highâ€T_C Ferromagnet TiFe_{1â^'x}Os_{2+x}B₂. Chemistry - A European Journal, 2022, 28, .	1.7	2
5	Electrochemical lithium recovery with lithium iron phosphate: what causes performance degradation and how can we improve the stability?. Sustainable Energy and Fuels, 2021, 5, 3124-3133.	2.5	14
6	(Pseudo)binary Antimonides: Insights on Local Ordering and Effective Charge Configurations from 121Sb MAS NMR and MÃ¶ssbauer Spectroscopies. Journal of Physical Chemistry C, 2021, 125, 1454-1466.	1.5	2
7	Rare-Earth-Free Magnets: Enhancing Magnetic Anisotropy and Spin Exchange Toward High-T_C Hf₂MIr₅B₂ (M = Mn, Fe). Journal of the American Chemical Society, 2021, 143, 4205-4212.	6.6	11
8	Thermoplastic Silsesquioxane Hybrid Polymers with a Local Ladder-Type Structure. Macromolecules, 2021, 54, 3873-3885.	2.2	11
9	Nd5OF5Se4 and Sm5OF5Se4: New layered oxide fluoride selenides of the lanthanoids. Solid State Sciences, 2021, 116, 106601.	1.5	5
10	Structural, Physical, Theoretical and Spectroscopic Investigations of Mixedâ€Valent Eu 2 Ni 8 Si 3 and Its Structural Anti â€Type Sr 2 Pt 3 Al 8. European Journal of Inorganic Chemistry, 2021, 2021, 3832.	1.0	3
11	Synthesis, crystal and electronic structure of CaNi₂Al₈. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, 76, 659-668.	0.3	2
12	Multianvil high-pressure/high-temperature synthesis and characterization of magnetoelectric HP-Co₃TeO₆. Journal of Materials Chemistry C, 2021, 9, 5486-5496.	2.7	5
13	Cu2ZnSbS4: A Thioantimonate(V) with Remarkably Strong Covalent Sbâ€“S Bonding. Inorganic Chemistry, 2021, 60, 2730-2739.	1.9	4
14	Porous Mixed-Metal Oxide Li-Ion Battery Electrodes by Shear-Induced Co-assembly of Precursors and Tailored Polymer Particles. ACS Applied Materials & Interfaces, 2021, 13, 61166-61179.	4.0	12
15	The role of beryllium in alloys, Zintl phases and intermetallic compounds. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 421-439.	0.3	12
16	Squares of gold atoms and linear infinite chains of Cd atoms as building units in the intermetallic phases REAu4Cd2 (RE=Laâ€“Nd, Sm) with YbAl4Mo2-type structure. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 73-82.	0.3	3
17	Physical and Magnetocaloric Properties of TbPdAl₂ and the Ferromagnetic Solid Solution Tb_{1â€“x}Lu_xPdAl₂ (x = 0.1â€“0.9). Inorganic Chemistry, 2020, 59, 1137-1144.	1.9	4
18	Temperature and time-dependent luminescence of single crystals of KTb3F10. Journal of Luminescence, 2020, 227, 117523.	1.5	5

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19	On the phosphors Na₅M(WO₄)₄ (M = Y, Laâ€“Nd, Smâ€“Lu, Bi) â€“ crystal structures, thermal decomposition, and optical and magnetic properties. Dalton Transactions, 2020, 49, 8209-8225.	1.6	16
20	A new class of mixed-valent europium halide ortho-oxoborates: Eu6X[BO3]4 (XÂ= Cl and Br). Journal of Alloys and Compounds, 2020, 844, 156038.	2.8	2
21	Ni[B 2 (SO 4) 4] and Co[B 2 (SO 4) 4]: Unveiling Systematic Trends in Phyllosilicate Analogue Borosulfates. Chemistry - A European Journal, 2020, 26, 17405-17415.	1.7	12
22	Mechanochemical Synthesis of Cu 2 MgSn 3 S 8 and Ag 2 MgSn 3 S 8. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 5-9.	0.6	10
23	Tinâ€rich Phases RE 2 Au 3 Sn 6 with RE = La, Ce, Pr, Nd, Sm â€“ Synthesis, Structure, Magnetic Properties, and 119 Sn MÃ¶ssbauer Spectra. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1508-1516.	0.6	2
24	On the divalent character of the Eu atoms in the ternary Zintl phases Eu5In2Pn6and Eu3MAs3(Pn =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.2	22
25	Magnetic Properties of the RE₂Pt₆X₁₅ (RE = Y,) Tj ETQq1 1 0.784314 rgBT 1199-1210.	1.0	5
26	On the formation of the Gd3Ru4Al12versusthe Y2Co3Ga9type structure â€“ M3Rh4Al12(M = Ca,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	7
27	Extending the knowledge on the quaternary rare earth nickel aluminum germanides of the RENiAl4Ge2 series (RE=Y, Sm, Gdâ€“Tm, Lu) â€“ structural, magnetic and NMR-spectroscopic investigations. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 149-162.	0.3	2
28	Elucidating the physical properties of the molybdenum oxide Mo₄O₁₁ and its tantalum substituted variant Mo₂Ta₂O₁₁. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 143-155.	0.4	11
29	Structure solution of incommensurately modulated La₆MnSb₁₅. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 291-301.	0.4	1
30	Synthesis and magnetic properties of the extended RE 4Pd9Al24 series (REÂ=ÂSc, Y, Ceâ€“Nd, Sm, Gdâ€“Lu). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 633-641.	0.3	2
31	Structural transition and antiferromagnetic ordering in the solid solution CePd_{1â^'x}Au_xAl (xÂ=Â0.1â€“0.9). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 895-901.	0.3	1
32	Lithiumpyridinylâ€Driven Synthesis of Highâ€Purity Zeroâ€Valent Iron Nanoparticles and Their Use in Followâ€Up Reactions. Small, 2019, 15, 1902321.	5.2	10
33	Unusually strong heteroatomic bonding in the complex polyanion of intermetallic Ba₆Pt₂₂Al₅₃. Dalton Transactions, 2019, 48, 14103-14114.	1.6	3
34	Synthesis, crystal and electronic structure, physical properties and121Sb and151Eu MÃ¶ssbauer spectroscopy of the Eu14AlPn11series (Pn = As, Sb). Inorganic Chemistry Frontiers, 2019, 6, 137-147.	3.0	17
35	An Unusual Valence State: Trivalent Europium in Intermetallic Eu₂Ir₃Al₉. Chemistry - A European Journal, 2019, 25, 3505-3509.	1.7	14
36	New members of the tetragonal RE14T3Al3 (REâ€‰=â€‰Sc, Y, Dyâ€“Tm, Lu; Tâ€‰=â€‰Cu, Rh, Pd) series. Monatshefte FÃ¼r Chemie, 2019, 150, 1175-1185.	0.9	3

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37	From 3D to 2D: Structural, Spectroscopic and Theoretical Investigations of the Dimensionality Reduction in the [PtAl₂]^{Î´â^'} Polyanions of the Isotypic MPtAl₂ Series (M=Caâ€"Ba, Eu). Chemistry - A European Journal, 2019, 25, 10735-10747.	1.7	24
38	Correlations of Crystal and Electronic Structure via NMR and X-ray Photoelectron Spectroscopies in the RETMAl₂ (RE = Sc, Y, Laâ€"Nd, Sm, Gdâ€"Tm, Lu; TM = Ni, Pd, Pt) Series. Inorganic Chemistry, 2019, 58, 7010-7025.	1.9	16
39	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
40	Intermetallic RE₆T₅Al₇ Phases (RE = Sc, Y, Ceâ€"Nd, Sm, Gdâ€"Lu; T =) Tj ETQq0 0 0 rgBT /Overlo 58, 16211-16226.	1.9	10
41	Intermetallics of the types REPd₃ X ₂ and REPt₃ X ₂ (RE=Laâ€"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
42	Temperature induced valence phase transition in intermediate-valent YbPd₂Al₃. Chemical Science, 2019, 10, 11086-11094.	3.7	10
43	Crystal structure and magnetic properties of the ternary rare earth metal-rich transition metallides RE ₁₄ T ₃Al₃ (RE = Y, Gdâ€"Tm, Lu; T = Co,) Tj ETQq1 1 0.784314	0.3	5
44	Openâ€Shell 3d Transition Metal Nitridophosphates M II P 8 N 14 (M II =Fe, Co, Ni) by Highâ€Pressure Metathesis. Angewandte Chemie, 2019, 131, 4733-4737.	1.6	9
45	Openâ€Shell 3d Transition Metal Nitridophosphates M II P 8 N 14 (M II =Fe, Co, Ni) by Highâ€Pressure Metathesis. Angewandte Chemie - International Edition, 2019, 58, 4685-4689.	7.2	11
46	Cu[B₂(SO₄)₄] and Cu[B(SO₄)₂(HSO₄)]â€"Two Silicate Analogue Borosulfates Differing in their Dimensionality: A Comparative Study of Stability and Acidity. Angewandte Chemie - International Edition, 2018, 57, 9548-9552.	7.2	28
47	Structural phase transitions in YPtGe₂and GdPtGe₂. Dalton Transactions, 2018, 47, 6075-6088.	1.6	5
48	Fe₂Si₅N₈: Access to Openâ€Shell Transitionâ€Metal Nitridosilicates. Angewandte Chemie - International Edition, 2018, 57, 2409-2412.	7.2	16
49	Ultraviolet Upconversion Luminescence in a Highly Transparent Triply-Doped Gd³⁺â€"Tm³⁺â€"Yb³⁺ Fluorideâ€"Phosphate Glasses. Journal of Physical Chemistry C, 2018, 122, 2275-2284.	1.5	33
50	Binary Polyazides of Cerium and Gadolinium. European Journal of Inorganic Chemistry, 2018, 2018, 778-790.	1.0	11
51	Fe₂Si₅N₈: Access to Openâ€Shell Transitionâ€Metal Nitridosilicates. Angewandte Chemie, 2018, 130, 2433-2436.	1.6	12
52	RE 4 T Al (RE = Y, Sm, Gdâ€"Tm, Lu; T = Pd, Pt) â€" Synthesis and magnetism of new aluminum representatives with the Gd 4 RhIn type structure. Intermetallics, 2018, 96, 84-89.	1.8	17
53	Valence State of Eu and Superconductivity in Se-Substituted EuSr₂Bi₂S₄F₄ and Eu₂SrBi₂S₄F₄. Inorganic Chemistry, 2018, 57, 37-44.	1.9	13
54	Antiferromagnetic ordering based on intermolecular London dispersion interactions in amphiphilic TEMPO ammonium salts. Physical Chemistry Chemical Physics, 2018, 20, 28979-28983.	1.3	5

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55	Cu[B₂(SO₄)₄] und Cu[B(SO₄)₂(HSO₄)] â€“ zwei silicatanaloge Borosulfate unterschiedlicher DimensionalitÃt: Vergleich von StabilitÃt und AziditÃt. Angewandte Chemie, 2018, 130, 9693-9697.	1.6	12
56	Two series of rare earth metal-rich ternary aluminium transition metallides â€“ RE 6Co2Al (RE=Sc, Y, Nd,) Tj ETQq0 0 0 rgBT /Overlock 10 Journal of Chemical Sciences, 2018, 73, 927-942.	0.3	9
57	Structural and magnetic investigations of the pseudo-ternary RE ₂ TAl₃ series (RE=Sc, Y, Laâ€“Nd, Sm, Gdâ€“Lu; T=Ru, Rh, Ir) â€“ size dependent formation of two different structure types. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 819-830.	0.3	7
58	Short-Range Antiferromagnetic Ordering of Netlike S = 1/2 Linear Trimeric Units in the Copper Germanate K2Cu3Ge4O12. Inorganic Chemistry, 2018, 57, 14421-14426.	1.9	4
59	Abrupt Europium Valence Change in Eu₂Pt₆Al₁₅ around 45 K. Journal of the American Chemical Society, 2018, 140, 8950-8957.	6.6	31
60	Crystal Structure, Spectroscopic Investigations, and Physical Properties of the Ternary Intermetallic REPt2Al3 (RE = Y, Dyâ€“Tm) and RE2Pt3Al4 Representatives (RE = Tm, Lu). Crystals, 2018, 8, 169.	1.0	9
61	A Dimeric Î·¹,Î·⁵â€Germole Dianion Bridged Titanium(III) Complex with a Multicenter Tiâ^'Geâ^'Geâ^'Ti Bond. Angewandte Chemie - International Edition, 2018, 57, 8634-8638.	7.2	27
62	A Dimeric Î·¹,Î·⁵â€Germole Dianion Bridged Titanium(III) Complex with a Multicenter Tiâ^'Geâ^'Geâ^'Ti Bond. Angewandte Chemie, 2018, 130, 8770-8774.	1.6	8
63	The Highâ€Pressure Oxide Tb 3 O 5 and its Nonâ€Centrosymmetric Lowâ€Temperature Polymorphâ€“A Comprehensive Study. Chemistry - A European Journal, 2018, 24, 15236-15245.	1.7	9
64	Ferro- or antiferromagnetism? Heisenberg chains in the crystal structures of verdazyl radicals. Physical Chemistry Chemical Physics, 2018, 20, 22902-22908.	1.3	7
65	Synthesis, Crystal Structures, and Magnetic and Electrochemical Properties of Highly Phenyl Substituted Trinuclear 5,6,11,12,17,18-Hexaazatrinaphthylene (HATNPh₆)-Bridged Titanium Complexes. Inorganic Chemistry, 2018, 57, 11165-11174.	1.9	8
66	Innentitelbild: Cu[B2 (SO4)4] und Cu[B(SO4)2 (HSO4)] - zwei silicatanaloge Borosulfate unterschiedlicher DimensionalitÃt: Vergleich von StabilitÃt und AziditÃt (Angew. Chem. 30/2018). Angewandte Chemie, 2018, 130, 9330-9330.	1.6	0
67	The high-pressure phase of CePtAl. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 77-82.	0.3	1
68	Network Formation by Condensed Tetrahedral [Au₃Al] Units in Na₂Au₃Al: Crystal and Electronic Structure, Spectroscopic Investigations, and Physical Properties of an Ordered Ternary Auride. Inorganic Chemistry, 2017, 56, 1919-1931.	1.9	10
69	Ternary gallides RE ₄Rh₉Ga₅, RE ₅Rh₁₂Ga₇ and RE ₇Rh₁₈Ga₁₁ (RE=Y, Laâ€“Nd, Sm, Gd, Tb) â€“ intergrowth structures with MgCu₂ and CaCu₅ related slabs. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 365-374.	0.4	2
70	Equiatomic AEAuX (AE=Caâ^'Ba, X=Alâ^'In) Intermetallics: A Systematic Study of their Electronic Structure and Spectroscopic Properties. Chemistry - A European Journal, 2017, 23, 4187-4196.	1.7	12
71	Flux Synthesis, Crystal Structures, and Magnetic Ordering of the Rare-Earth Chromium(II) Oxyselenides RE2CrSe2O2 (RE = Laâ€“Nd). Inorganic Chemistry, 2017, 56, 2241-2247.	1.9	5
72	HP-MoO₂: A High-Pressure Polymorph of Molybdenum Dioxide. Inorganic Chemistry, 2017, 56, 2321-2327.	1.9	13

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73	Synthesis, crystal and electronic structures, physical properties and121Sb and151Eu MÃ¶ssbauer spectroscopy of the alumo-antimonide Zintl-phase Eu5Al2Sb6. Materials Chemistry Frontiers, 2017, 1, 1563-1572.	3.2	17
74	Mo₂B₄O₉â€"Connecting Borate and Metalâ€Cluster Chemistry. Angewandte Chemie - International Edition, 2017, 56, 6449-6453.	7.2	32
75	The monoclinic superstructure of the M ₂Pt₆Al₁₅ series (M=Ca, Sc, Y, La, Lu). Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 675-687.	0.4	14
76	Ag[B(SO₄)₂] â€" Synthesis, Crystal Structure, and Characterization of the First Preciousâ€Metal Borosulfate. European Journal of Inorganic Chemistry, 2017, 2017, 3981-3989.	1.0	19
77	Structural Characterization of Intermetallic Compounds by27Al Solid State NMR Spectroscopy. Accounts of Chemical Research, 2017, 50, 1459-1467.	7.6	20
78	Strong intermolecular antiferromagnetic verdazylâ€"verdazyl coupling in the solid state. Physical Chemistry Chemical Physics, 2017, 19, 15681-15685.	1.3	9
79	Synthesis and Characterization of the High-Pressure Nickel Borate Î³-NiB₄O₇. Inorganic Chemistry, 2017, 56, 4217-4228.	1.9	22
80	Superstructure formation in PrNi₂Al₃ and ErPd₂Al₃. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 573-581.	0.4	8
81	Ternary rhombohedral Laves phases RE ₂Rh₃Ga (REâ€‰=â€‰Y, Laâ€"Nd, Sm,) Tj ETQq1 1 0.7	0.3	26
82	FestkÃ¶rperchemie 2016. Nachrichten Aus Der Chemie, 2017, 65, 255-265.	0.0	0
83	Cooperative Magnetism in Crystalline Nâ€Arylâ€Substituted Verdazyl Radicals: Firstâ€Principles Predictions and Experimental Results. Chemistry - A European Journal, 2017, 23, 6069-6082.	1.7	12
84	Synthesis, Crystal Structure, and Magnetic Properties of Pyrochlore-Type Eu2 Ta2 (O,N)7+ Î´. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1824-1830.	0.6	11
85	Ternary rare-earth aluminium intermetallics RE₁₀TAl₃(RE = Y, Ho, Tm, Lu; T = Fe,) Tj ETQq1 1 0.784314 rgBT /O Transactions, 2017, 46, 1083-1092.	1.6	19
86	EPR and Structural Characterization of Water-Soluble Mn2+-Doped Si Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 1948-1956.	1.5	8
87	Diradicaloid or Zwitterionic Character: The Nonâ€Tetrahedral Unsaturated Compound [Si₄{N(SiMe₃)Dipp}₄] with a Butterflyâ€type Si₄ Substructure. Angewandte Chemie - International Edition, 2017, 56, 13866-13871.	7.2	37
88	Li₃Co_{1.06(1)}TeO₆: 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. Dalton Transactions, 2017, 46, 12663-12674.	1.6	12
89	Front Cover: Ag[B(SO4)2] - Synthesis, Crystal Structure, and Characterization of the First Precious-Metal Borosulfate (Eur. J. Inorg. Chem. 34/2017). European Journal of Inorganic Chemistry, 2017, 2017, 3979-3979.	1.0	0
90	On Ternary Intermetallic Aurides: CaAu₂Al₂, SrAu_{2â€"x}Al_{2+x} and Ba₃Au_{5+x}Al_{6â€"x}. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1379-1390.	0.6	7

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91	Structure Elucidation and Characterization of the High-Pressure Nickel Borate Hydroxide NiB3O5(OH). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1344-1350.	0.6	9
92	Crystal Structures of the High-Pressure Palladium Dichalcogenides Pd0.94(1)S2and Pd0.88(1)Se2Comprising Exceptional PdIVOxidation States. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1415-1423.	0.6	18
93	The Highâ€Pressure Nickel Borate Hydrate Ni₃B₁₈O₂₈(OH)₄Â·H₂O. European Journal of Inorganic Chemistry, 2017, 2017, 3508-3515.	1.0	8
94	Platinum Triangles in the Pt/Al Framework of the Intermetallic REPt₆Al₃ (RE = Ceâ€“Nd, Sm, Gd, Tb) Series. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1836-1843.	0.6	14
95	Ag[B(SO4)2] - Synthesis, Crystal Structure, and Characterization of the First Precious-Metal Borosulfate. European Journal of Inorganic Chemistry, 2017, 2017, 3980-3980.	1.0	0
96	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.	1.9	8
97	Magnetic properties of the germanides RE ₃Pt₄Ge₆ (RE=Y, Pr, Nd, Sm, Gdâ€“Dy). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 855-864.	0.3	6
98	Reduction of Dioxygen by Radical/B(pâ€₆F₄X)₃ Pairs to Give Isolable Bis(borane)superoxide Compounds. Angewandte Chemie - International Edition, 2017, 56, 16641-16644.	7.2	25
99	Hydrogenation-induced cerium valence change in CeNiZn. Journal of Alloys and Compounds, 2017, 724, 515-519.	2.8	2
100	Microstructure investigations of Yb- and Bi-doped Mg2Si prepared from metal hydrides for thermoelectric applications. Journal of Solid State Chemistry, 2017, 245, 152-159.	1.4	20
101	Sr₂Pd₄Al₅: Synthesis, Crystal and Electronic Structures, and Chemical Bonding of a Polar Intermetallic Compound. European Journal of Inorganic Chemistry, 2016, 2016, 1108-1114.	1.0	8
102	Revisiting Ce₃Pt₄Ge₆â€“ crystal structure and physical properties. Inorganic Chemistry Frontiers, 2016, 3, 1289-1296.	3.0	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.	0.3	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.	1.3	10
105	EuAu₃Al₂: Crystal and Electronic Structures and Spectroscopic, Magnetic, and Magnetocaloric Properties. Inorganic Chemistry, 2016, 55, 9057-9064.	1.9	16
106	RE₁₆Au_xAl_{13â^'x}with RE = Laâ€“Nd, Sm (x â‰ˆ 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
107	Inorganic Double Helices in Semiconducting SnIP. Advanced Materials, 2016, 28, 9783-9791.	11.1	73
108	Experimental and theoretical investigations of the polar intermetallics SrPt3Al2 and Sr2Pd2Al. Journal of Solid State Chemistry, 2016, 242, 143-150.	1.4	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.	0.3	64
110	SrPt₂Al₂ â€“ A (3+2)D-incommensurately modulated variant of the CaBe₂Ge₂ type structure. Zeitschrift Fur Kristallographie - Crystalline Materials, 2016, 231, 127-142.	0.4	7
111	Cerium intermetallics CeTX â€“ review III. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 165-191.	0.3	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.	1.4	15
113	Two Hexagonal Series of Lanthanoid(III) Oxide Fluoride Selenides: M₆O₂F₈Se₃ (M = La â€“ Nd) and M₂OF₂Se (M = Nd, Sm, Gd â€“ Ho). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1926-1933.	0.6	7
114	Gradual Cerium Valence Change in the Solid Solution CeRu_{1â€“x}Pd_xAl (x = 0.1â€“0.9). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1792-1797.	0.6	6
115	Structure and Magnetic Properties of Ce3(Ni/Al/Ga)11â€”A New Phase with the La3Al11 Structure Type. Crystals, 2015, 5, 1-8.	1.0	1
116	New transition metal-rich rare-earth palladium/platinum aluminides with RET₅Al₂ composition: structure, magnetism and ²⁷Al NMR spectroscopy. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2015, 70, 101-110.	0.3	20
117	²⁷Al and ⁴⁵Sc NMR Spectroscopy on ScT₂Al and Sc(T_{0.5}Tâ€²_{0.5})₂Al (T = Tâ€² = Ni, Pd, Pt, Cu,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 0.6 24 Sc(Pd_{0.5}Au_{0.5})₂Al. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 168-175.	0.6	24
118	Ba₃Pt₄Al₄â€”Structure, Properties, and Theoretical and NMR Spectroscopic Investigations of a Complex Platinide Featuring Heterocubane [Pt₄Al₄] Units. Inorganic Chemistry, 2015, 54, 10785-10793.	1.9	23
119	The Gallium Intermetallics REPdGa₃ (RE=La, Ce, Pr, Nd, Sm, Eu) with SrPdGa₃-type Structure. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 1105-1118.	0.3	30
120	RE₆Pd₁₃Zn₄ (RE = Laâ€“Nd, Sm, Gd, Tb) â€“ New Palladiumâ€rich Phases with Pd@RE₆ Octahedra in bcc Packing. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 2747-2752.	0.6	9
121	Glass-like lattice thermal conductivity and high thermoelectric efficiency in Yb₉Mn_{4.2}Sb₉. Journal of Materials Chemistry A, 2014, 2, 215-220.	5.2	109
122	Synthesis and Theoretical Investigations of the Solid Solution CeRu1â€“xNixAl (x= 0.1â€“0.95) Showing Cerium Valence Fluctuations. Inorganic Chemistry, 2014, 53, 2471-2480.	1.9	15
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