

JÃ¼rgen Nuss

List of Publications by Year in descending order

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118
papers

2,854
citations

172207

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197535

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124
all docs

124
docs citations

124
times ranked

3858
citing authors

#	ARTICLE	IF	CITATIONS
19	Mixed Valent Gold Oxides: Syntheses, Structures, and Properties of Rb ₅ Au ₃ O ₂ , Rb ₇ Au ₅ O ₂ , and Cs ₇ Au ₅ O ₂ . <i>Journal of Solid State Chemistry</i> , 2000, 155, 29-36.	1.4	36
20	Trivalent Iridium Oxides: Layered Triangular Lattice Iridate K _{0.75} Na _{0.25} IrO ₂ and Oxyhydroxide IrOOH. <i>Chemistry of Materials</i> , 2017, 29, 8338-8345.	3.2	35
21	Synthesis and Structural Characterization of the Alkali Thiophosphates Na ₂ P ₂ S ₆ , Na ₄ P ₂ S ₆ , K ₄ P ₂ S ₆ , and Rb ₄ P ₂ S ₆ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 689-692.	0.6	34
22	Phosphide "Tetrahedrite Ag ₆ Ge ₁₀ P ₁₂ : Thermoelectric Performance of a Long-Forgotten Silver-Cluster Compound. <i>Chemistry of Materials</i> , 2017, 29, 6956-6965.	3.2	34
23	Syntheses, structures and properties of the pnictide oxides R ₂ PnO ₂ (R=Ce, Pr; Pn=Sb, Bi). <i>Journal of Alloys and Compounds</i> , 2009, 480, 57-59.	2.8	33
24	Structural Stability Diagram of ALnP ₂ S ₆ Compounds (A = Na, K, Rb, Cs; Ln =) Tj ETQq0 0,0rgBT /Overlock 10	1.9	33
25	Ordered inclusion of endohedral fullerenes N@C ₆₀ and P@C ₆₀ in a crystalline matrix. <i>Chemical Physics Letters</i> , 2006, 424, 327-332.	1.2	32
26	Spin-orbit coupling induced semi-metallic state in the 1/3 hole-doped hyper-kagome Na ₃ Ir ₃ O ₈ . <i>Scientific Reports</i> , 2014, 4, 6818.	1.6	32
27	Topotactic transformation of single crystals: From perovskite to infinite-layer nickelates. <i>Science Advances</i> , 2021, 7, eabl8091.	4.7	32
28	Spin waves and spin-state transitions in a ruthenate high-temperature antiferromagnet. <i>Nature Materials</i> , 2019, 18, 563-567.	13.3	31
29	Towards continuous processes for the synthesis of precursors of amorphous Si/B/N/C ceramics. <i>Journal of Materials Chemistry</i> , 2008, 18, 1810.	6.7	28
30	Synthesis and Structure Analysis of (K[DB18â€‰C6]) ₄ (C ₆₀) ₅ â€‰...12â€‰THF Containing C ₆₀ in Three Different Bonding States. <i>Chemistry - A European Journal</i> , 2011, 17, 1798-1805.	1.7	28
31	Geometric variations and electron localizations in intermetallics: PbFCl type compounds. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2006, 221, .	0.4	27
32	Charge Density Waves and Magnetism in Topological Semimetal Candidates GdSb _x Te _{2-x} and Gd _x Te ₂ . <i>Advanced Quantum Technologies</i> , 2019, 2, 1900045.	1.8	27
33	Homoatomic Stella Quadrangula [Tl ₈] ⁶⁺ in Cs ₁₈ Tl ₈ O ₆ , Interplay of Spin-Orbit Coupling, and Jahn-Teller Distortion. <i>Journal of the American Chemical Society</i> , 2010, 132, 12458-12463.	6.6	26
34	Superconducting order parameter of the nodal-line semimetal NaAlSi. <i>APL Materials</i> , 2019, 7, 121103.	2.2	25
35	Magnetic properties of PdAs ₂ O ₆ : A dilute spin system with an unusually high Néel temperature. <i>Physical Review B</i> , 2012, 85, .	1.1	23
36	Studies on the electronic structure of Ag ₂ NiO ₂ , an intercalated delafossite containing subvalent silver. <i>Solid State Sciences</i> , 2006, 8, 753-763.	1.5	21

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37	Magnetotransport in $\text{Sr}_{1-x}\text{Ca}_x\text{Fe}_2\text{As}_2$ antiperovskite. <i>Physical Review B</i> , 2018, 98, .		
38	Structure of RbFeO_2 , refined from a reticular pseudomerohedrally twinned crystal with six domains. <i>Acta Crystallographica Section B: Structural Science</i> , 2007, 63, 719-725.	1.8	20
39	Iron silicides and their corresponding oxides: a high-pressure study of Fe_5Si_3 . <i>Solid State Sciences</i> , 2004, 6, 673-678.	1.5	19
40	Über die Antimonidoxide $\text{La}_9\text{Sb}_5\text{O}_5$ und $\text{Ce}_9\text{Sb}_5\text{O}_5$ sowie die binären Phasen La_2Sb und Ce_2Sb . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 2287-2291.	0.6	19
41	Structures of incommensurate and commensurate composite crystals Rb_xMnO_2 ($x = 1.3711, 1.3636$). <i>Acta Crystallographica Section B: Structural Science</i> , 2010, 66, 27-33.	1.8	18
42	Synthesis and Crystal Structures of the Alkali Aluminium Thiohypodiphosphates $\text{M}_2\text{AlP}_2\text{S}_6$ (M = Li, Na). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1087-1089.	0.6	18
43	In Search of Aluminum Hexathiohypodiphosphate: Synthesis and Structures of $\text{Al}_4\text{P}_4\text{S}_{12}$, $\text{Al}_4\text{P}_4\text{S}_{12}$, and $\text{Al}_4\text{P}_4\text{S}_{12}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 2663-2668.	0.6	18
44	Über Kaliumtetracyanoplatinat(II), Kaliumtetracyanopalladat(II) und deren Monohydrate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 1462-1468.	0.6	17
45	Reticular merohedral twinning within the $\text{La}_9\text{Sb}_5\text{O}_5$ structure family: structure of $\text{Pr}_9\text{Sb}_5\text{O}_5$, $\text{Sm}_9\text{Sb}_5\text{O}_5$ and $\text{Dy}_9\text{Sb}_5\text{O}_5$. <i>Acta Crystallographica Section B: Structural Science</i> , 2007, 63, 843-849.	1.8	17
46	Effect of pressure on superconductivity in NaAlSi . <i>Physical Review B</i> , 2012, 86, .	1.1	16
47	On the Rare Earth Metal Bismuthide Oxides RE_2BiO_2 (RE = Nd, Tb). <i>Physical Review B</i> , 2011, 84, 075111.	0.6	16
48	Uncommon structural and bonding properties in $\text{Ag}_{16}\text{B}_4\text{O}_{10}$. <i>Chemical Science</i> , 2020, 11, 962-969.	3.7	15
49	The Chain Manganates $\text{K}_{29}\text{Mn}_{17}\text{O}_{34}$, $\text{Rb}_{11}\text{Mn}_8\text{O}_{16}$, and $\text{Cs}_4\text{Mn}_3\text{O}_6$: a New Family of Mixed-valent One-dimensional Transition Metallates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 23-29.	0.6	14
50	Geometric Variations and Electron Localizations in Intermetallics: The Case of La_2Sb Type Compounds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 1975-1981.	0.6	14
51	Spin exchange dominated by charge fluctuations of the Wigner lattice in the chain cuprate $\text{Na}_5\text{Cu}_3\text{O}_6$. <i>Physical Review B</i> , 2011, 84, .	1.1	14
52	The First Quinary Rare Earth Thiophosphates: $\text{Cs}_5\text{Ln}_3\text{X}_3(\text{P}_2\text{S}_6)_2(\text{PS}_4)$ (Ln= La, Ce, X= Br, Cl) and the Quasi-Quaternary $\text{Cs}_{10}\text{Y}_4\text{Cl}_{10}(\text{P}_2\text{S}_6)_3$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1818-1823.	0.6	14
53	Spin-Orbit Excitations in $\text{K}_2\text{Fe}_4\text{O}_{10}$. <i>Physical Review Letters</i> , 2021, 127, 227201.	2.9	14
54	Neues vom P_4Se_4 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1994, 620, 160-166.	0.6	13

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55	Silver(i) pyrophosphonates: structural, photoluminescent and thermal expansion studies. Dalton Transactions, 2011, 40, 6392.	1.6	13
56	Synthesis and Crystal Structure of a New C602-Fulleride: [K(DB24C8)(DME)]2C60·DME. European Journal of Inorganic Chemistry, 2009, 2009, 3900-3903.	1.0	12
57	Modulated crystal structure of Pr2SbO2. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2013, 69, 547-555.	0.5	12
58	A New Polymorph of Potassium Chromate(III), K_2CrO_4 , and Reinvestigation of K_2CrO_4 . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 241-245.	0.6	12
59	Structural Implications of Spin, Charge, and Orbital Ordering in Rubidium Sesquioxide, Rb4O6. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1239-1246.	0.6	12
60	Mixed Valence and Superconductivity in Perovskite Antimonates. Chemistry of Materials, 2021, 33, 6787-6793.	3.2	12
61	Assembly and Disassembly of a Metastable Bisphosphine-Based Copper(I) Helicate. Chemistry - A European Journal, 2010, 16, 12091-12095.	1.7	11
62	New Light on an Old Story: The Crystal Structure of Boron Tetrathiosphosphate Revisited. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 267-271.	0.6	11
63	Investigation of the Quasi Binary System BaAu-BaPt. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 70-75.	0.6	10
64	$Cs_{10}Tl_6SiO_4$, $Cs_{10}Tl_6GeO_4$, and $Cs_{10}Tl_6SnO_3$ - First Oxotetrelate Thallides, Double Salts Containing "Hypoelectronic" $[Tl_6]^{6+}$ Clusters. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 1163-1168.	0.6	10
65	Theoretical and Experimental Exploration of the Energy Landscape of the Quasi-Binary Cesium Chloride/Lithium Chloride System. Chemistry - A European Journal, 2012, 18, 3559-3565.	1.7	10
66	Highly nonlinear magnetoelectric effect in buckled-honeycomb antiferromagnetic Co4Ta2O9. Scientific Reports, 2020, 10, 12362.	1.6	10
67	Regular [Tl6]6- Cluster in Cs4Tl2O Exhibiting Closed-Shell Configuration and Energetic Stabilization due to Relativistic Spin-Orbit Coupling. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 357-361.	0.6	9
68	Synthesis, Crystal Structure and Magnetic Properties of the New One-Dimensional Manganate Cs3Mn2O4. Journal of the American Chemical Society, 2012, 134, 11734-11739.	6.6	9
69	$K_5Mn_3O_6$ and $Rb_8Mn_5O_{10}$, New Charge Ordered "Quasi" One-Dimensional Oxomanganates (II, III). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 316-321.	0.6	9
70	Inverse-perovskites A3BO (A = Sr, Ca, Eu/B = Pb, Sn): A platform for control of Dirac and Weyl Fermions. APL Materials, 2019, 7, 121114.	2.2	9
71	BaAuP and BaAuAs, Synthesis via Disproportionation of Gold upon Interaction with Pnictides as Bases. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1514-1516.	0.6	8
72	First Isolated "Hypoelectronic" $[In_6]^{6+}$ Cluster in Insulating $Cs_{22}In_6(SiO_4)_4$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 834-839.	0.6	8

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73	Electronic Origin of the Structural Anomalies of Zinc and Cadmium. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2036-2046.	0.6	8
74	On the possibility of magnetic Weyl fermions in non-symmorphic compound PtFeSb. European Physical Journal B, 2018, 91, 1.	0.6	8
75	Gewellt und eben - La ₆ (C ₂)-Oktaederschichten in Lanthancarbidchloriden. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2765-2776.	0.6	7
76	Structural ordering principles in quasi one-dimensional Wigner crystals of the series Na _{1+x} CuO ₂ (0 ≤ x ≤ 1). Zeitschrift Für Kristallographie, 2011, 226, 627-632.	1.1	7
77	Crystal structure of rubidium oxomanganate, Rb ₁₅ Mn ₁₁ O ₂₂ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2009, 224, 377-378.	0.1	6
78	Sr ₅ Os ₃ O ₁₃ : a mixed valence osmium(v,vi) layered perovskite variant exhibiting temperature dependent charge distribution. Dalton Transactions, 2018, 47, 5968-5976.	1.6	6
79	Cyclic hexapeptoids with N-alkyl side chains: solid-state assembly and thermal behaviour. CrystEngComm, 2020, 22, 6371-6384.	1.3	6
80	Phase formation through synthetic control: polymorphism in the sodium-ion solid electrolyte Na ₄ P ₂ S ₆ . Journal of Materials Chemistry A, 2021, 9, 8692-8703.	5.2	6
81	Na ₉ Bi ₅ O ₃ O ₂₄ : A Diamagnetic Oxide Featuring a Pronouncedly Jahn-Teller Compressed Octahedral Coordination of Osmium(VI). Angewandte Chemie - International Edition, 2021, 60, 16500-16505.	7.2	6
82	Conduction mechanism of nitronyl-nitroxide molecular magnetic compounds. Physical Review B, 2016, 93, .	1.1	5
83	Old and New Insights into Structure and Properties of Eu ₂ [SiO ₄]. Crystal Growth and Design, 2018, 18, 6316-6325.	1.4	5
84	Superconductivity at 4.8 K and Violation of Pauli Limit in La ₂ IRu ₂ Comprising Ru Honeycomb Layer. Inorganic Chemistry, 2019, 58, 12888-12894.	1.9	5
85	Dimensions of the Ozonide Anion in M([18]crown-6)O ₃ ·NH ₃ with M = K (x = 2), Rb (x = 1) and Cs (x = 8). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 1291-1295.	0.6	4
86	SrAu _{0.5} Pt _{0.5} and CaAu _{0.5} Pt _{0.5} , analogues to the respective Ba compound, but featuring purely intermetallic behaviour. Solid State Sciences, 2010, 12, 1615-1619.	1.5	4
87	CsCoO ₂ Featuring a Novel Polyoxocobaltate(III) Anion Based on a Two-Dimensional Architecture of Interconnected Tetrahedra. Inorganic Chemistry, 2012, 51, 12336-12342.	1.9	4
88	Dependence of the Physical Properties on the Cation Ordering in the New Ternary Phosphide ZnCu ₂ P ₈ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1144-1150.	0.6	4
89	On the Nature of Crystals Precipitating from Aqueous Silver Ethylenediamine Oxalate Complex Solutions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1348-1353.	0.6	4
90	La ₄ Br ₂ Al ₅ and Ce ₄ Br ₂ Ga ₅ : Three-dimensional Metal Networks Embedded in Condensed Ln ₆ Trigonal Prisms. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 2229-2235.	0.6	3

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91	2,4,6-Trichloro-1,3,5-trimethylborazine. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4235-o4235.	0.2	3
92	Crystal structures of tetrastrontium dibismuthide oxide, Sr ₄ Bi ₂ O, and tetrabarium dibismuthide oxide, Ba ₄ Bi ₂ O. Zeitschrift Fur Kristallographie - New Crystal Structures, 2011, 226, .	0.1	3
93	Synthesis, Crystal Structure and Magnetic Properties of Rb ₂ Mn ₃ O ₄ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, n/a-n/a.	0.6	3
94	Synthesis and Crystal Structure of the Partially Oxidized Cyanoplatinates Rb _{1.75} [Pt(CN) ₄] ₂ ·1.25H ₂ O and Cs _{1.75} [Pt(CN) ₄] ₂ ·0.5H ₂ O. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 479-484.	0.6	3
95	New Ternary La ₂ Sb ₄ RE ₄ Type Compounds, Sc ₄ RE ₄ Sb ₄ (RE = La, Ce, Pr, Nd, Sm, Tb), and the Oxygen Stuffed Variant Sc ₄ Yb ₄ Sb ₄ O. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 713-718.	0.6	3
96	Novel Manganate Cs ₂₃ Mn ₁₆ O ₂₈ Containing Two Different Types of Quasi One-Dimensional Polyanions, $\frac{1}{2}[\text{MnO}_2]$ and Unique $\frac{1}{2}[\text{Mn}_3\text{O}_5]$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1351-1356.	0.6	3
97	Synthesis and Characterization of Three New Lithium-Scandium Hexathiohypodiphosphates: Li ₄ Sc _x P ₂ S ₆ (x = 0.358), LiSc ₂ S ₆ , and LiSc ₂ S ₆ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1854-1862.	0.6	3
98	Two-dimensional magnetism in LiSc_2S_6 . Physical Review B, 2020, 102, .	1.1	3
99	Phase diagram studies on iron and nickel silicides: high-pressure experiments and ab initio calculations. Journal of Physics: Conference Series, 2008, 121, 022013.	0.3	2
100	Synthesis, Structure, and Properties of Scandium Dysprosium Antimonide ScDySb ₄ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 913-918.	0.6	2
101	Ag _{1+x} TlO ₂ (0.03 ≤ x ≤ 0.18), Novel Adaptations of the Delafossite Structure Type Featuring Subvalent Silver. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1063-1068.	0.6	2
102	Synthesis, Crystal Structure, and Magnetic Properties of K ₆ Mn ₄ O ₇ Featuring a Novel Two-Dimensional Polyoxomanganate(II) Anion. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1715-1720.	0.6	2
103	Methylammonium dicyanamide: Synthesis, characterisation, and screening its potential as a precursor for C ₃ N ₄ and as an ionic liquid. Solid State Sciences, 2020, 107, 106347.	1.5	2
104	N,N-Dimethylguanidinium chloride. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2767-o2769.	0.2	1
105	Crystal structure of barium dichloridetetrayanoplatinate(IV) hydrate, Ba[Pt(CN) ₄]Cl ₂ · 4.5H ₂ O. Zeitschrift Fur Kristallographie - New Crystal Structures, 2010, 225, 625-626.	0.1	1
106	Crystal Structure and Raman Spectroscopic Study of K ₅ [CuO ₂][CO ₃]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 637, n/a-n/a.	0.6	1
107	Novel Polyanionic Topologies in Ag ₂ VAsO ₆ and Ag ₆ V ₂ As ₂ O ₁₃ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2013, 68, 611-615.	0.3	1
108	K ₄ Ni ₃ O ₆ and KNa ₂ Ni ₂ O ₄ , New Quasi One-Dimensional Oxonickelates(II, III). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2755-2760.	0.6	1

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109	Hg ₄ O ₃ [ReO ₄] ₂ , Featuring a 2D Polycationic Framework [Hg ₄ O ₃] ²⁺ with Tetrahedral Rhenate(VII) Anions Embedded. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1359-1363.	0.6	1
110	Crystal structure of terbium antimonide oxide, Tb ₉ Sb ₅ O ₅ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2009, 224, .	0.1	1
111	The Family of <i>A</i> ₆ <i>M</i> ₂ O ₆ Oxometalates: Synthesis and Crystal Structure Determination of Cs ₆ Mn ₂ O ₆ , Magnetic Exchange within Dimeric Polyoxoanions, and Classification of Crystal Structures. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 882-887.	0.6	0
112	Na ₉ Bi ₅ Os ₃ O ₂₄ : A Diamagnetic Oxide Featuring a Pronouncedly Jahn-Teller-Compressed Octahedral Coordination of Osmium(VI). Angewandte Chemie, 2021, 133, 16636-16641.	1.6	0
113	Crystal structure of (diethyl ether)-tetrachloro-dimethylamido-tantalum(V), TaCl ₄ (C ₂ H ₆ N)(C ₄ H ₁₀ O). Zeitschrift Fur Kristallographie - New Crystal Structures, 2006, 221, 209-210.	0.1	0
114	Dichloridobis(methylamine- δ N)boron(III) chloride. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o583-o583.	0.2	0
115	Crystal structure of tetracyanoplatinate(IV) dihydrate, Pt(CN) ₄ · 2H ₂ O. Zeitschrift Fur Kristallographie - New Crystal Structures, 2009, 224, .	0.1	0
116	Crystal structure of bis(trichlorodiethylamidotantalum(V) isopropylate), [TaCl ₃ (C ₄ H ₁₀ N)(C ₃ H ₇ O)] ₂ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2009, 224, 243-244.	0.1	0
117	Crystal structure of bis(trichloro-bis(diethylamido)tantalum(V)), [TaCl ₃ (C ₄ H ₁₀ N) ₂] ₂ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2009, 224, 499-500.	0.1	0
118	Coexisting Z-type charge and bond order in metallic NaRu ₂ O ₄ . Communications Materials, 2022, 3, .	2.9	0