

Hans-Juergen Meyer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8354219/publications.pdf>

Version: 2024-02-01

102
papers

1,597
citations

331670

21
h-index

395702

33
g-index

107
all docs

107
docs citations

107
times ranked

694
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbodiimide Bridged Network Structure of [RE ₆ O(NCN) ₆] Clusters in the Structure of RE ₈ O(CN ₂) ₁₀ Br ₂ , RE = La, Ce, Pr, Nd. Journal of Cluster Science, 2023, 34, 1001-1008.	3.3	3
2	A refined phase diagram of the GeTe-Bi ₂ Te ₃ system. Kondensirovannye Sredy Mezhfaznye Granitsy, 2022, 24, 11-18.	0.3	1
3	Synthesis, Structure and Electronic Properties of Three Tin Oxide Halides. European Journal of Inorganic Chemistry, 2021, 2021, 283-288.	2.0	6
4	Heterogeneous photoactive antimicrobial coatings based on a fluoroplastic doped with an octahedral molybdenum cluster compound. Dalton Transactions, 2021, 50, 8467-8475.	3.3	11
5	W ₂ O ₃ I ₄ and WO ₂ I ₂ : metallic phases in the chemical transport reaction of tungsten. Dalton Transactions, 2021, 50, 6789-6792.	3.3	2
6	Reversible Iodine Intercalation into Tungsten Ditelluride. Inorganic Chemistry, 2021, 60, 1411-1418.	4.0	3
7	Crystal structure, Magnetic and Photoluminescence Properties of GdW ₆ Cl ₁₅ , TbW ₆ Cl ₁₅ , and EuW ₆ Cl ₁₄ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1392-1396.	1.2	1
8	Phase equilibria of the GeTe-Bi ₂ Te ₃ quasi-binary system in the range 0-50 mol% Bi ₂ Te ₃ . Phase Transitions, 2021, 94, 366-375.	1.3	1
9	Tricopper Melaminat, a Metal-Organic Framework Containing Dehydrogenated Melamine and Cu-Cu Bonding. Inorganic Chemistry, 2021, 60, 16303-16307.	4.0	3
10	Formation of a Polar Structure in the Metallic Niobium Sulfide Nb ₄ S ₃ . Inorganic Chemistry, 2021, 60, 17669-17676.	4.0	1
11	Synthesis, Structure, and Thermoelastic Properties of LiSn ₂ Br ₃ (CN) ₂ and Sn ₄ Br ₂ (CN) ₃ . European Journal of Inorganic Chemistry, 2021, 2021, 4572-4578.	2.0	0
12	The Lithium Iodostannate LiSn ₃ I ₇ : Synthesis, Properties and its Relationship to SnI ₂ . European Journal of Inorganic Chemistry, 2021, 2021, 4929.	2.0	0
13	Structure, polymorphism and luminescence of cyanate iodides MI(OCN) (M = Ba, Eu, and Sr). Dalton Transactions, 2020, 49, 14133-14139.	3.3	1
14	Energy transfer in supramolecular [Crypt-RE]-[W ₆ I ₁₄] solids. Dalton Transactions, 2020, 49, 9795-9803.	3.3	2
15	The Heteroleptic Cluster Cation [(W ₆ I ₈)I ₃ (CH ₃ CN) ₃] ⁺ . European Journal of Inorganic Chemistry, 2020, 2020, 3987-3990.	2.0	4
16	Missing Carbodiimide and Oxide Carbodiimide of Scandium: Sc ₂ (CN) ₃ and Sc ₂ O ₂ (CN) ₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1281-1284.	1.2	7
17	Synthesis, Crystal Structure, and Luminescence of Metal Iodide Cluster Compounds (n-Bu ₄ N) ₂ [M ₆ I ₈ (NCO) ₆] with M = Mo, W. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1650-1654.	1.2	3
18	A New Modification of TeI ₄ Possessing the Crystal Structure Proposed for WI ₄ . Crystal Growth and Design, 2020, 20, 3780-3784.	3.0	1

#	ARTICLE	IF	CITATIONS
19	Photodynamic properties of tungsten iodide clusters incorporated into silicone: A2[M6I8L6]@silicone. RSC Advances, 2020, 10, 22257-22263.	3.6	14
20	Synthesis of (TeI ₃) ₂ [W ₆ I ₁₄] via Iodination of WTe ₂ . European Journal of Inorganic Chemistry, 2020, 2020, 716-719.	2.0	3
21	Increased photocurrent of CuWO ₄ photoanodes by modification with the oxide carbodiimide Sn ₂ O(NCN). Dalton Transactions, 2020, 49, 3450-3456.	3.3	14
22	Solid-State Preparation and Luminescence Investigation of Rare Earth Iodide Carbodiimide Nitrides RE ₂ (CN ₂) ₂ N (RE = La, Gd) and LaI(CN ₂). European Journal of Inorganic Chemistry, 2020, 2020, 3954-3958.	2.0	5
23	Synthesis and investigation into the structural, electronic and electrical properties of K ₂ Pb(OCN) ₃ . Dalton Transactions, 2019, 48, 13813-13819.	3.3	1
24	Synthesis, Structure, and Electronic Properties of Sn ₉ O ₅ Cl ₄ (CN ₂) ₂ . Inorganic Chemistry, 2019, 58, 14560-14567.	4.0	6
25	Solid-State Phosphorescence of A ₂ [W ₆ I ₁₄] with A = PPN, PPh ₄ . European Journal of Inorganic Chemistry, 2019, 2019, 4014-4019.	2.0	8
26	Synthesis, structure and properties of a calcium oxonitridosilicate phosphor showing green or red luminescence upon doping with Eu ²⁺ or Ce ³⁺ . Dalton Transactions, 2019, 48, 14069-14076.	3.3	5
27	Origins of Iodine-Rich W ₆ I ₁₂ Cluster Compounds and the Soluble Compound W ₆ I ₂₂ . Inorganic Chemistry, 2019, 58, 12867-12872.	4.0	4
28	Pandora's box of binary tungsten iodides. Dalton Transactions, 2019, 48, 1547-1561.	3.3	21
29	Synthesis, Structure, and Electronic Properties of Sn(CN ₂) and Sn ₄ Cl ₂ (CN ₂) ₃ . Inorganic Chemistry, 2019, 58, 7845-7851.	4.0	15
30	Alkaline Earth Cluster Compounds <i>AE</i> [W ₆ I ₁₄] and the Solvate [Ca(C ₂ H ₆ SO) ₆][W ₆ I ₁₄]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 831-834.	1.2	4
31	Lithium Ion Motion in Lithium Nitridoborate Chalcogenides Li ₅ (BN ₂) <i>Ch</i> (<i>Ch</i> = Se, Te). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 461-465.	1.2	2
32	Tungsten Iodide Clusters as Singlet Oxygen Photosensitizers: Exploring the Domain of Resonant Energy Transfer at 1 eV. Journal of Physical Chemistry A, 2019, 123, 1730-1739.	2.5	11
33	Lithium and Sodium Ion Distributions in A ₂ [W ₆ I ₁₄] Structures. Inorganic Chemistry, 2018, 57, 2570-2576.	4.0	10
34	Layered Carbodiimides A ₂ M(CN ₂) ₃ with Tetravalent Cations M = Sn, Zr, and Hf. European Journal of Inorganic Chemistry, 2018, 2018, 1624-1630.	2.0	18
35	Up-conversion white emission and other luminescence properties of a YAG:Yb ₂ O ₃ :Tm ₂ O ₃ :Ho ₂ O ₃ @SiO ₂ glass-nanocomposite. RSC Advances, 2018, 8, 11006-11013.		
36	Tin(II) oxide carbodiimide and its relationship to SnO. Dalton Transactions, 2018, 47, 13378-13383.	3.3	17

#	ARTICLE	IF	CITATIONS
37	Synthesis and thermoelastic properties of $Zr(CN)_2$ and $Hf(CN)_2$. Dalton Transactions, 2018, 47, 10249-10255.	3.3	23
38	Formation, Structure, and Frequency-Doubling Effect of a Modification of Strontium Cyanurate (Sr-SCY). Inorganic Chemistry, 2017, 56, 3357-3362.	4.0	25
39	Crystal Structure and Luminescence Investigations of the Nitridomagnesoaluminates $Mg_3Al_nN_{n+2}$ with $n = 1, 2, 3$. European Journal of Inorganic Chemistry, 2017, 2017, 2727-2735.	2.0	8
40	A Reaction Cycle for Octahedral Tungsten Iodide Clusters. Inorganic Chemistry, 2017, 56, 5880-5884.	4.0	8
41	A journey through ternary lead chlorido tungstates by thermal scanning. Dalton Transactions, 2017, 46, 7743-7749.	3.3	2
42	Synthesis, Luminescence and Nonlinear Optical Properties of Homoleptic Tetracyanamidogermanates $[Ge(CN)_4]^{n-}$ ($n = K, Cs$, and $RE = La, Ce, Pr, Nd, Sm, Eu$). <i>J. Inorg. Nucl. Chem.</i> 2018, 180, 1-10.	1.2	0
43	Preparation and Luminescence of Cluster Compounds $[W_6Br_8L_6]^{2-}$ with $L = CF_3COO$ and $C_7H_7SO_3$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1451-1455.	1.2	5
44	Lead Carbodiimides Related to the Mineral Bideauxite. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1898-1903.	1.2	5
45	Ligand Influence on the Photophysical Properties and Electronic Structures of Tungsten Iodide Clusters. European Journal of Inorganic Chemistry, 2017, 2017, 5387-5394.	2.0	16
46	Luminescence Quenching of Ligand-Substituted Molybdenum and Tungsten Halide Clusters by Oxygen and Their Oxidation Electrochemistry. European Journal of Inorganic Chemistry, 2017, 2017, 4259-4266.	2.0	15
47	Thermal Iodine Loss Cascade of W_5I_{16} . Inorganic Chemistry, 2017, 56, 14300-14305.	4.0	2
48	Cluster Helix Structure of the Binary Compound W_5I_{12} . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 677-680.	1.2	8
49	Defect-Related Luminescence in Nitridoborate Nitride, $Mg_3Ga(BN)_2N_2$. European Journal of Inorganic Chemistry, 2016, 2016, 861-866.	2.0	11
50	A Facile Method for the Synthesis of Binary Tungsten Iodides. Angewandte Chemie - International Edition, 2016, 55, 4814-4817.	13.8	18
51	Molecular Oxygen Modulated Luminescence of an Octahedrohexamolybdenum Iodide Cluster having Six Apical Thiocyanate Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 403-408.	1.2	20
52	Eine einfache Methode zur Synthese von binären Wolframiodiden. Angewandte Chemie, 2016, 128, 4894-4897.	2.0	11
53	A ligand substituted tungsten iodide cluster: luminescence vs. singlet oxygen production. Dalton Transactions, 2016, 45, 15500-15506.	3.3	37
54	$Eu_2(CN)_3$ and $KEu[Si(CN)_4]$: Missing Members of the Rare Earth Metal Carbodiimide and Tetracyanamidosilicate Series. European Journal of Inorganic Chemistry, 2016, 2016, 4011-4016.	2.0	9

#	ARTICLE	IF	CITATIONS
55	Characterization of $A_x[W_6I_{14}]$ as Key Compounds for Ligand-Substituted $A_2[W_6I_8L_6]$ Clusters. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5063-5067.	2.0	17
56	Snap-Shots of a Reduction Pathway: The Reaction of WCl_6 with Copper Powder. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4234-4240.	2.0	6
57	Second harmonic generation properties of $Ca_3(O_3C_3N_3)_2$ and $Sr_3(O_3C_3N_3)_2$ solid solutions. <i>Crystal Research and Technology</i> , 2016, 51, 460-465.	1.3	17
58	The Missing Binary Tungsten Iodide Archetype Cluster W_4I_{10} . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 1409-1411.	1.2	6
59	$(W_6I_8)Cl_4$ - A Basic Model Compound for Photophysically Active $[(W_6I_8)L_6]^{2+}$ Clusters?. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 1435-1438.	1.2	5
60	Facile Way of Synthesis for Molybdenum Iodides. <i>Inorganic Chemistry</i> , 2016, 55, 12074-12078.	4.0	14
61	Detection and Characterization of Compounds in the Mn-W-Cl System through a Combined Thermal Scanning - XRD Approach. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 1722-1727.	1.2	4
62	Synthesis, Structure, and Luminescence of Rare Earth Cyanurates. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 134-140.	2.0	7
63	Luminescence Matching with the Sensitivity Curve of the Human Eye: Optical Ceramics $Mg_{8-x}M_x(BN_2)_2N_4$ with $M = Al$ ($x = 2$) and $M = Si$ ($x = 1$). <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1716-1725.	2.0	14
64	Synthesis and Photoluminescence Properties of the Red-Emitting Phosphor $Mg_3(BN_2)_2N$ Doped with Eu^{2+} . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 803-808.	1.2	13
65	From WCl_6 to WCl_2 : Properties of Intermediate Fe^WCl Phases. <i>Inorganic Chemistry</i> , 2015, 54, 9826-9832.	4.0	11
66	Thermal Detection, Synthesis, and Structural Characterization of Compounds in the Co^WCl System. <i>Journal of Cluster Science</i> , 2015, 26, 187-198.	3.3	7
67	Synthesis of new structurally related cyanamide compounds $LiM(CN)_2$ where M is Al^{3+} , In^{3+} or Yb^{3+} . <i>Materials Research Bulletin</i> , 2015, 62, 37-41.	5.2	20
68	Cluster Harvesting in the WBr_6 -P System. <i>Inorganic Chemistry</i> , 2015, 54, 989-992.	4.0	5
69	Synthesis, Structure, and Frequency-Doubling Effect of Calcium Cyanurate. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14260-14263.	13.8	100
70	Development of Metal Cyanurates: The Example of Barium Cyanurate (BCY). <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2536-2543.	2.0	24
71	Synthesis and SHG Properties of Two New Cyanurates: $Sr_3(O_3C_3N_3)_2$ (SCY) and $Eu_3(O_3C_3N_3)_2$ (ECY). <i>Inorganic Chemistry</i> , 2014, 53, 12540-12545.	4.0	74
72	Solid State Complex Chemistry: Formation, Structure, and Properties of Homoleptic Tetracyanamidogermanates $RbRE[Ge(CN)_2]_4$ ($RE = La, Pr, Nd, Gd$). <i>Inorganic Chemistry</i> , 2013, 52, 12372-12382.	4.0	22

#	ARTICLE	IF	CITATIONS
73	From cyanate to cyanurate: cyclotrimerization reactions towards the novel family of metal cyanurates. Dalton Transactions, 2013, 42, 12934.	3.3	46
74	Synthesis and Crystal Structure of $\text{LiY}(\text{CN})_2$, Having a Structure Related to That of NiAs. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 22-24.	1.2	14
75	The New Carbodiimide $\text{Li}_2\text{Gd}_2\text{Sr}(\text{CN}_2)_5$ Having a Crystal Structure Related to That of $\text{Gd}_2(\text{CN}_2)_3$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 84-88.	1.2	7
76	A Luminescent Material: $\text{La}_3\text{Cl}(\text{CN})_2\text{O}_3$ Doped with Eu^{3+} or Tb^{3+} Ions. European Journal of Inorganic Chemistry, 2013, 2013, 3195-3199.	2.0	10
77	Cluster Harvesting by Successive Reduction of a Metal Halide with a Nonconventional Reduction Agent: A Benefit for the Exploration of Metal-Rich Halide Systems. Inorganic Chemistry, 2013, 52, 6951-6956.	4.0	14
78	W_4Br_{10} Cluster Intermediates in the Solid State Nucleation of W_6Br_{12} . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 945-949.	1.2	9
79	Solid state synthesis of homoleptic tetracyanamidoaluminates. Dalton Transactions, 2011, 40, 9921.	3.3	25
80	New Tungsten Chloride Cluster Compounds Containing Iron or Cobalt: $\text{M}(\text{W}_2\text{Cl}_{10})$ and $\text{M}(\text{W}_6\text{Cl}_{14})$ ($\text{M} = \text{Fe}$). <i>Tj ETQ 0 0 rg BT /Overlo</i>	1.2	14
81	Phosphorus-Centered and Phosphinidene-Capped Tungsten Chloride Clusters. European Journal of Inorganic Chemistry, 2011, 2011, 4063-4068.	2.0	14
82	The New Binary Tungsten Iodide $\text{W}_{15}\text{I}_{47}$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 62-66.	1.2	22
83	Rare Earth Carbodiimide Silicates: $\text{RE}_2(\text{CN})_2(\text{SiO}_4)_2$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 991-995.	1.2	15
84	Solid state metathesis reactions as a conceptual tool in the synthesis of new materials. Dalton Transactions, 2010, 39, 5973.	3.3	74
85	Synthesis and Properties of Tetracyanamidosilicates $\text{RE}[\text{Si}(\text{CN})_2]_4$. Inorganic Chemistry, 2010, 49, 2954-2959.	4.0	27
86	The Versatility of Solid-State Metathesis Reactions: From Rare Earth Fluorides to Carbodiimides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 479-483.	1.2	21
87	The Synthesis and Luminescence of W_6Cl_{12} and $\text{Mo}_6\text{Cl}_{12}$ Revisited. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 822-827.	1.2	29
88	The Many Faces of Rare Earth Carbodiimide Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1947-1952.	1.2	33
89	Constitutional Isomerism of $\text{BiW}_6\text{Cl}_{15}$: $(\text{BiCl})[\text{W}_6\text{Cl}_{14}]$ and $(\text{BiCl}_2)[\text{W}_6\text{Cl}_{13}]$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1517-1519.	1.2	11
90	Tb^{3+} luminescence enhancement of $\text{YAG}:\text{Tb}^{3+}$ nanocrystals embedded in silica xerogel. Journal of Non-Crystalline Solids, 2009, 355, 1333-1337.	3.1	13

#	ARTICLE	IF	CITATIONS
91	Multilateral Solid-State Metathesis Reactions for the Preparation of Materials with Heteroanions: The $[\text{Si}(\text{CN})_2]_4^{4-}$ Ion. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7547-7550.	13.8	25
92	Crystal Structures, Phase-Transition, and Photoluminescence of Rare Earth Carbodiimides. <i>Inorganic Chemistry</i> , 2008, 47, 10455-10460.	4.0	54
93	Crystal structure of lithium hexachlorotungstate(V), LiWCl_6 . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2008, 223, 5-6.	0.3	5
94	Synthese von $\text{Y}_2\text{O}_2(\text{CN}_2)$ und Leuchtstoffeigenschaften von $\text{Y}_2\text{O}_2(\text{CN}_2):\text{Eu}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1686-1690.	1.2	38
95	Syntheses and Structural Properties of Rare Earth Carbodiimides. <i>Inorganic Chemistry</i> , 2006, 45, 8188-8193.	4.0	75
96	Synthese und Kristallstruktur von $\text{Na}_3[\text{W}_3\text{Cl}_{13}]$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006, 632, 1885-1889.	1.2	19
97	Überschreitungen der konventionellen Zahl von Clusterelektronen in Metallhalogeniden des M_6X_{12} -Typs: W_6Cl_{18} , $(\text{Me}_4\text{N})_2[\text{W}_6\text{Cl}_{18}]$ und $\text{Cs}_2[\text{W}_6\text{Cl}_{18}]$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 987-992.	1.2	21
98	Chains of $[\text{RE}_6]$ Octahedra Coupled by (NCN) Links in the Network Structure of $\text{RE}_2\text{Cl}(\text{CN}_2)\text{N}$. Synthesis and Structure of Two Novel Rare Earth Chloride Carbodiimide Nitrides with Structures Related to the RE_2Cl_3 Type. <i>Inorganic Chemistry</i> , 2003, 42, 3406-3411.	4.0	58
99	W_6Cl_{18} : Neue Synthesen, neue Strukturverfeinerung, elektronische Struktur und Magnetismus. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001, 627, 244-249.	1.2	26
100	Lanthanide Nitrido Borates with Six-Membered B_3N_6 Rings: $\text{Ln}_3\text{B}_3\text{N}_6$. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1607-1609.	13.8	6
101	Über ein Oxidchlorid des Calciums: Ca_4OCl_6 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1991, 596, 89-92.	1.2	29
102	Synthesis and crystal structure of $\text{Pb}_{14.66}\text{Sn}_{7.34}\text{Br}_{26}(\text{CN}_2)_7\text{O}_2$, a complex member of group 14 carbodiimides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 0, , .	1.2	1