

Hans-Juergen Meyer

List of Publications by Year in descending order

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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	Synthesis, Structure, and Frequency-Doubling Effect of Calcium Cyanurate. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14260-14263.	13.8	100
2	Syntheses and Structural Properties of Rare Earth Carbodiimides. <i>Inorganic Chemistry</i> , 2006, 45, 8188-8193.	4.0	75
3	Solid state metathesis reactions as a conceptual tool in the synthesis of new materials. <i>Dalton Transactions</i> , 2010, 39, 5973.	3.3	74
4	Synthesis and SHG Properties of Two New Cyanurates: Sr ₃ (O ₃ C ₃ N ₃) ₂ (SCY) and Eu ₃ (O ₃ C ₃ N ₃) ₂ (ECY). <i>Inorganic Chemistry</i> , 2014, 53, 12540-12545.	4.0	74
5	Chains of [RE ₆] Octahedra Coupled by (NCN) Links in the Network Structure of RE ₂ Cl(CN ₂)N. Synthesis and Structure of Two Novel Rare Earth Chloride Carbodiimide Nitrides with Structures Related to the RE ₂ Cl ₃ Type. <i>Inorganic Chemistry</i> , 2003, 42, 3406-3411.	4.0	58
6	Crystal Structures, Phase-Transition, and Photoluminescence of Rare Earth Carbodiimides. <i>Inorganic Chemistry</i> , 2008, 47, 10455-10460.	4.0	54
7	From cyanate to cyanurate: cyclotrimerization reactions towards the novel family of metal cyanurates. <i>Dalton Transactions</i> , 2013, 42, 12934.	3.3	46
8	Synthese von Y ₂ O ₂ (CN ₂) und Leuchtstoffeigenschaften von Y ₂ O ₂ (CN ₂):Eu. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1686-1690.	1.2	38
9	A ligand substituted tungsten iodide cluster: luminescence vs. singlet oxygen production. <i>Dalton Transactions</i> , 2016, 45, 15500-15506.	3.3	37
10	The Many Faces of Rare Earth Carbodiimide Compounds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 1947-1952.	1.2	33
11	Über ein Oxidchlorid des Calciums: Ca ₄ OCl ₆ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1991, 596, 89-92.	1.2	29
12	The Synthesis and Luminescence of W ₆ Cl ₁₂ and Mo ₆ Cl ₁₂ Revisited. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 822-827.	1.2	29
13	Synthesis and Properties of Tetracyanamidosilicates ARE[Si(CN ₂) ₂] ₄ . <i>Inorganic Chemistry</i> , 2010, 49, 2954-2959.	4.0	27
14	W ₆ Cl ₁₈ : Neue Synthesen, neue Strukturverfeinerung, elektronische Struktur und Magnetismus. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001, 627, 244-249.	1.2	26
15	Multilateral Solid-State Metathesis Reactions for the Preparation of Materials with Heteroanions: The [Si(CN ₂) ₂] ₄ ⁴⁻ Ion. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7547-7550.	13.8	25
16	Solid state synthesis of homoleptic tetracyanamidoaluminates. <i>Dalton Transactions</i> , 2011, 40, 9921.	3.3	25
17	Formation, Structure, and Frequency-Doubling Effect of a Modification of Strontium Cyanurate ($\text{Sr}_{\pm}\text{SCY}$). <i>Inorganic Chemistry</i> , 2017, 56, 3357-3362.	4.0	25
18	Development of Metal Cyanurates: The Example of Barium Cyanurate (BCY). <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2536-2543.	2.0	24

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19	Synthesis and thermoelastic properties of Zr(CN ₂) ₂ and Hf(CN ₂) ₂ . Dalton Transactions, 2018, 47, 10249-10255.	3.3	23
20	The New Binary Tungsten Iodide W ₁₅ I ₄₇ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 62-66.	1.2	22
21	Solid State Complex Chemistry: Formation, Structure, and Properties of Homoleptic TetracyanamidoGermanates RbRE[Ge(CN ₂) ₂] ₄ (RE = La, Pr, Nd, Cd). Inorganic Chemistry, 2013, 52, 12372-12382.	4.0	22
22	Äœberschreitungen der konventionellen Zahl von Clusterelektronen in Metallhalogeniden des M ₆ X ₁₂ -Typs: W ₆ Cl ₁₈ , (Me ₄ N) ₂ [W ₆ Cl ₁₈] und Cs ₂ [W ₆ Cl ₁₈]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 987-992.	1.2	21
23	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
24	Pandora's box of binary tungsten iodides. Dalton Transactions, 2019, 48, 1547-1561.	3.3	21
25	Synthesis of new structurally related cyanamide compounds LiM(CN ₂) ₂ where M is Al ³⁺ , In ³⁺ or Yb ³⁺ . Materials Research Bulletin, 2015, 62, 37-41.	5.2	20
26	Molecular Oxygen Modulated Luminescence of an <i>i</i> Octahedro <i>/i</i> hexamolybdenum Iodide Cluster having Six Apical Thiocyanate Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 403-408.	1.2	20
27	Synthese und Kristallstruktur von Na ₃ [W ₃ Cl ₁₃]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 1885-1889.	1.2	19
28	A Facile Method for the Synthesis of Binary Tungsten Iodides. Angewandte Chemie - International Edition, 2016, 55, 4814-4817.	13.8	18
29	Layered Carbodiimides A ₂ M(CN ₂) ₂ ₃ with Tetravalent Cations M = Sn, Zr, and Hf. European Journal of Inorganic Chemistry, 2018, 2018, 1624-1630.	2.0	18
30	Characterization of Ax[W ₆ I ₁₄] as Key Compounds for Ligand-Substituted A ₂ [W ₆ I ₈ L ₆] Clusters. European Journal of Inorganic Chemistry, 2016, 2016, 5063-5067.	2.0	17
31	Second harmonic generation properties of Ca ₃ (O ₃ C ₃ N ₃) ₂ solid solutions. Crystal Research and Technology, 2016, 51, 460-465.	1.3	17
32	Tin(<i>ii</i>) oxide carbodiimide and its relationship to SnO. Dalton Transactions, 2018, 47, 13378-13383.	3.3	17
33	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
34	Rare Earth Carbodiimide Silicates: <i>i</i> RE ₂ (CN ₂) ₂ (SiO ₄) ₄ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 991-995.	1.2	15
35	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
36	Synthesis, Structure, and Electronic Properties of Sn(CN ₂) ₂ and Sn ₄ Cl ₂ (CN ₂) ₃ . Inorganic Chemistry, 2019, 58, 7845-7851.	4.0	15

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37	Phosphorus-centered and Phosphinidene-Capped Tungsten Chloride Clusters. European Journal of Inorganic Chemistry, 2011, 2011, 4063-4068.	2.0	14
38	Synthesis and Crystal Structure of LiY(CN ₂) ₂ ₂ , Having a Structure Related to That of NiAs. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 22-24.	1.2	14
39	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
40	Luminescence Matching with the Sensitivity Curve of the Human Eye: Optical Ceramics Mg _{8-x} M _x (BN ₂) ₂ N ₄ with M = Al (x= 2) and M = Si (x= 1). European Journal of Inorganic Chemistry, 2015, 2015, 1716-1725.	2.0	14
41	Facile Way of Synthesis for Molybdenum Iodides. Inorganic Chemistry, 2016, 55, 12074-12078.	4.0	14
42	Photodynamic properties of tungsten iodide clusters incorporated into silicone: A ₂ [M ₆ I ₈ L ₆]@silicone. RSC Advances, 2020, 10, 22257-22263.	3.6	14
43	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
44	Tb ³⁺ luminescence enhancement of YAG:Tb ³⁺ nanocrystals embedded in silica xerogel. Journal of Non-Crystalline Solids, 2009, 355, 1333-1337.	3.1	13
45	Synthesis and Photoluminescence Properties of the Red-Emitting Phosphor Mg ₃ (BN ₂) ₂ N Doped with Eu ²⁺ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 803-808.	1.2	13
46	New Tungsten Chloride Cluster Compounds Containing Iron or Cobalt: $\text{M}_x\text{W}_{10}\text{Cl}_{10}$ and $\text{M}_x\text{W}_{14}\text{Cl}_{14}$ ($\text{M} = \text{Fe}, \text{Co}$) T _j ETQ _{0.0} rgs _{0.0} /Overloo		
47	Constitutional Isomerism of BiW ₆ Cl ₁₅ : (BiCl)[W ₆ Cl ₁₄] and (BiCl ₂)[W ₆ Cl ₁₃]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1517-1519.	1.2	11
48	From WCl ₆ to WCl ₂ : Properties of Intermediate Fe-W-Cl Phases. Inorganic Chemistry, 2015, 54, 9826-9832.	4.0	11
49	Defect-Related Luminescence in Nitridoborate Nitride, Mg ₃ Ga(BN ₂) ₂ . European Journal of Inorganic Chemistry, 2016, 2016, 861-866.	2.0	11
50	Eine einfache Methode zur Synthese von binären Wolframiodiden. Angewandte Chemie, 2016, 128, 4894-4897.	2.0	11
51	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
52	Heterogeneous photoactive antimicrobial coatings based on a fluoroplastic doped with an octahedral molybdenum cluster compound. Dalton Transactions, 2021, 50, 8467-8475.	3.3	11
53	A Luminescent Material: La ₃ Cl(CN ₂) ₂ O ₃ Doped with Eu ³⁺ or Tb ³⁺ Ions. European Journal of Inorganic Chemistry, 2013, 2013, 3195-3199.	2.0	10
54	Lithium and Sodium Ion Distributions in A ₂ [W ₆ Cl ₁₄] Structures. Inorganic Chemistry, 2018, 57, 2570-2576.	4.0	10

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55	W ₄ Br ₁₀ Cluster Intermediates in the Solid State Nucleation of W ₆ Br ₁₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 945-949.	1.2	9
56	Eu ₂ (CN ₂) ₃ and KEu[Si(CN ₂) ₄]: Missing Members of the Rare Earth Metal Carbodiimide and Tetracyanamidosilicate Series. European Journal of Inorganic Chemistry, 2016, 2016, 4011-4016.	2.0	9
57	Cluster Helix Structure of the Binary Compound W ₅ I ₁₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 677-680.	1.2	8
58	Crystal Structure and Luminescence Investigations of the Nitridomagnesioaluminates Mg ₃ Al _n N _{n+2} with n = 1, 2, 3. European Journal of Inorganic Chemistry, 2017, 2017, 2727-2735.	2.0	8
59	A Reaction Cycle for Octahedral Tungsten Iodide Clusters. Inorganic Chemistry, 2017, 56, 5880-5884.	4.0	8
60	Synthesis, Luminescence and Nonlinear Optical Properties of Homoleptic Tetracyanamidobermanates _iARE_i[Ge(CN₂)₄] (_iA = K, Cs, and _iRE = La, Ce, Pr, Nd, Sm, Eu,) Tj ETQq0.0 0 rgBTs/Overlock		
61	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
62	The New Carbodiimide Li ₂ Gd ₂ Sr(CN ₂) ₅ Having a Crystal Structure Related to That of Gd ₂ (CN ₂) ₃ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 84-88.	1.2	7
63	Synthesis, Structure, and Luminescence of Rare Earth Cyanurates. European Journal of Inorganic Chemistry, 2015, 2015, 134-140.	2.0	7
64	Thermal Detection, Synthesis, and Structural Characterization of Compounds in the Co-W-Cl System. Journal of Cluster Science, 2015, 26, 187-198.	3.3	7
65	Missing Carbodiimide and Oxide Carbodiimide of Scandium: Sc ₂ (CN ₂) ₃ and Sc ₂ O ₂ (CN ₂) ₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1281-1284.	1.2	7
66	Lanthanide Nitrido Borates with Six-Membered B ₃ N ₆ Rings: Ln ₃ B ₃ N ₆ . Angewandte Chemie - International Edition, 1999, 38, 1607-1609.	13.8	6
67	Snap-Shots of a Reduction Pathway: The Reaction of WCl ₆ with Copper Powder. European Journal of Inorganic Chemistry, 2016, 2016, 4234-4240.	2.0	6
68	The Missing Binary Tungsten Iodide Archetype Cluster W ₄ I ₁₀ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1409-1411.	1.2	6
69	Synthesis, Structure, and Electronic Properties of Sn ₉ O ₅ Cl ₄ (CN ₂) ₂ . Inorganic Chemistry, 2019, 58, 14560-14567.	4.0	6
70	Synthesis, Structure and Electronic Properties of Three Tin Oxide Halides. European Journal of Inorganic Chemistry, 2021, 2021, 283-288.	2.0	6
71	Crystal structure of lithium hexachlorotungstate(V), LiWCl ₆ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2008, 223, 5-6.	0.3	5
72	Cluster Harvesting in the WBr ₆ -P System. Inorganic Chemistry, 2015, 54, 989-992.	4.0	5

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73	(W ₆ I ₈)Cl ₄ - A Basic Model Compound for Photophysically Active [(W ₆ I ₈)L ₆] ²⁻ Clusters?. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1435-1438.	1.2	5
74	Preparation and Luminescence of Cluster Compounds [W ₆ Br ₈ L ₆] ₂ with L = CF ₃ COO and C ₇ H ₇ SO ₃ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1451-1455.	1.2	5
75	Lead Carbodiimides Related to the Mineral Bideauxite. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1898-1903.	1.2	5
76	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
77	Solid-state Preparation and Luminescence Investigation of Rare Earth Iodide Carbodiimide Nitrides RE ₂ I(CN ₂)N (RE = La, Gd) and LaI(CN ₂). European Journal of Inorganic Chemistry, 2020, 2020, 3954-3958.	2.0	5
78	Detection and Characterization of Compounds in the Mn-W-Cl System through a Combined Thermal Scanning - XRD Approach. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1722-1727.	1.2	4
79	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
80	Alkaline Earth Cluster Compounds <i>i</i> AE 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
81	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
82	Up-conversion white emission and other luminescence properties of a YAG:Yb ₂ O ₃ Â·Tm ₂ O ₃ Â·Ho ₂ O ₃ @SiO ₃ glass-nanocomposite. RSC Advances, 2018, 8, 11006-11013.		
83	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
84	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
85	Reversible Iodine Intercalation into Tungsten Ditelluride. Inorganic Chemistry, 2021, 60, 1411-1418.	4.0	3
86	Tricopper Melamine, a Metal-Organic Framework Containing Dehydrogenated Melamine and Cu-Cu Bonding. Inorganic Chemistry, 2021, 60, 16303-16307.	4.0	3
87	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
88	A journey through ternary lead chlorido tungstates by thermal scanning. Dalton Transactions, 2017, 46, 7743-7749.	3.3	2
89	Thermal Iodine Loss Cascade of W ₅ I ₁₆ . Inorganic Chemistry, 2017, 56, 14300-14305.	4.0	2
90	Lithium Ion Motion in Lithium Nitridoborate Chalcogenides Li ₅ (BN ₂) ₂ <i>i</i> Ch _{<i>i</i>} (<i>i</i> Ch _{<i>i</i>} = Se, Te). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 461-465.	1.2	2

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91	Energy transfer in supramolecular [Crypt-RE]-[W ₆ I ₁₄] solids. Dalton Transactions, 2020, 49, 9795-9803.	3.3	2
92	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
93	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
94	Structure, polymorphism and luminescence of cyanate iodides MI(OCN) (M = Ba, Eu, and Sr). Dalton Transactions, 2020, 49, 14133-14139.	3.3	1
95	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
96	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
97	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
98	Synthesis and crystal structure of Pb _{14.66} Sn _{7.34} Br ₂₆ (CN ₂) ₇ O ₂ , a complex member of group 14 carbodiimides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 0, .	1.2	1
99	Formation of a Polar Structure in the Metallic Niobium Sulfide Nb ₄ S ₃ . Inorganic Chemistry, 2021, 60, 17669-17676.	4.0	1
100	A refined phase diagram of the GeTe-Bi ₂ Te ₃ system. Kondensirovannye Sredy Mezhfaznye Granitsy, 2022, 24, 11-18.	0.3	1
101	Synthesis, Structure, and Thermoelastic Properties of LiSn ₂ Br ₃ (CN ₂) ₃ and Sn ₄ Br ₂ (CN ₂) ₃ . European Journal of Inorganic Chemistry, 2021, 2021, 4572-4578.	2.0	0
102	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