Hans-Juergen Meyer

List of Publications by Year
in descending order

102 papers	1,597 citations	331259 21 h-index	395343 33 g-index
107 all docs	107 docs citations	107 times ranked	694 citing authors

#	Article	IF	Citations
1	Synthesis, Structure, and Frequencyâ€Doubling Effect of Calcium Cyanurate. Angewandte Chemie - International Edition, 2014, 53, 14260-14263.	7.2	100
2	Syntheses and Structural Properties of Rare Earth Carbodiimides. Inorganic Chemistry, 2006, 45, 8188-8193.	1.9	75
3	Solid state metathesis reactions as a conceptual tool in the synthesis of new materials. Dalton Transactions, 2010, 39, 5973.	1.6	74
4	Synthesis and SHG Properties of Two New Cyanurates: Sr₃(O₃C₃N₃)₂ (SCY) and Eu₃(O₃C₃N₃)₂ (ECY). Inorganic Chemistry, 2014, 53, 12540-12545.	1.9	74
5	Chains of [RE6] Octahedra Coupled by (NCN) Links in the Network Structure of RE2Cl(CN2)N. Synthesis and Structure of Two Novel Rare Earth Chloride Carbodiimide Nitrides with Structures Related to the RE2Cl3 Type. Inorganic Chemistry, 2003, 42, 3406-3411.	1.9	58
6	Crystal Structures, Phase-Transition, and Photoluminescence of Rare Earth Carbodiimides. Inorganic Chemistry, 2008, 47, 10455-10460.	1.9	54
7	From cyanate to cyanurate: cyclotrimerization reactions towards the novel family of metal cyanurates. Dalton Transactions, 2013, 42, 12934.	1.6	46
8	Synthese von Y2O2(CN2) und Leuchtstoffeigenschaften von Y2O2(CN2):Eu. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 1686-1690.	0.6	38
9	A ligand substituted tungsten iodide cluster: luminescence vs. singlet oxygen production. Dalton Transactions, 2016, 45, 15500-15506.	1.6	37
10	The Many Faces of Rare Earth Carbodiimide CompoundsÂ. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1947-1952.	0.6	33
11	ï¿½ber ein Oxidchlorid des Calciums: Ca4OCl6. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1991, 596, 89-92.	0.6	29
12	The Synthesis and Luminescence of W₆Cl₁₂ and Mo₆Cl₁₂ Revisited. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 822-827.	0.6	29
13	Synthesis and Properties of Tetracyanamidosilicates ARE[Si(CN₂)₄]. Inorganic Chemistry, 2010, 49, 2954-2959.	1.9	27
14	W6Cl18: Neue Synthesen, neue Strukturverfeinerung, elektronische Struktur und Magnetismus. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 244-249.	0.6	26
15	Multilateral Solidâ€State Metathesis Reactions for the Preparation of Materials with Heteroanions: The [Si(CN₂)₄]^{4â^'} Ion. Angewandte Chemie - International Edition, 2008, 47, 7547-7550.	7.2	25
16	Solid state synthesis of homoleptic tetracyanamidoaluminates. Dalton Transactions, 2011, 40, 9921.	1.6	25
17	Formation, Structure, and Frequency-Doubling Effect of a Modification of Strontium Cyanurate (Î±-SCY). Inorganic Chemistry, 2017, 56, 3357-3362.	1.9	25
18	Development of Metal Cyanurates: The Example of Barium Cyanurate (BCY). European Journal of Inorganic Chemistry, 2014, 2014, 2536-2543.	1.0	24

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19	Synthesis and thermoelastic properties of Zr(CN₂)₂and Hf(CN₂)₂. Dalton Transactions, 2018, 47, 10249-10255.	1.6	23
20	The New Binary Tungsten Iodide W15I47. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 62-66.	0.6	22
21	Solid State Complex Chemistry: Formation, Structure, and Properties of Homoleptic Tetracyanamidogermanates RbRE[Ge(CN₂)₄] (RE = La, Pr, Nd, Gd). Inorganic Chemistry, 2013, 52, 12372-12382.	1.9	22
22	Ãœberschreitungen der konventionellen Zahl von Clusterelektronen in Metallhalogeniden des M6X12-Typs: W6Cl18, (Me4N)2[W6Cl18] und Cs2[W6Cl18]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 987-992.	0.6	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.	0.6	21
24	Pandora's box of binary tungsten iodides. Dalton Transactions, 2019, 48, 1547-1561.	1.6	21
25	Synthesis of new structurally related cyanamide compounds LiM(CN2)2 where M is Al3+, In3+ or Yb3+. Materials Research Bulletin, 2015, 62, 37-41.	2.7	20
26	Molecular Oxygen Modulated Luminescence of an Octahedroâ€hexamolybdenum Iodide Cluster having Six Apical Thiocyanate Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 403-408.	0.6	20
27	Synthese und Kristallstruktur von Na3[W3Cl13]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 1885-1889.	0.6	19
28	A Facile Method for the Synthesis of Binary Tungsten Iodides. Angewandte Chemie - International Edition, 2016, 55, 4814-4817.	7.2	18
29	Layered Carbodiimides A₂M(CN₂)₃ with Tetravalent Cations M = Sn, Zr, and Hf. European Journal of Inorganic Chemistry, 2018, 2018, 1624-1630.	1.0	18
30	Characterization of Ax[W6I14] as Key Compounds for Ligand-Substituted A2[W6I8L6] Clusters. European Journal of Inorganic Chemistry, 2016, 2016, 5063-5067.	1.0	17
31	Second harmonic generation properties of Ca₃(O₃C₃N₃)₂ â€Sr₃(O₃C₃N₃)₂ solid solutions. Crystal Research and Technology, 2016, 51, 460-465.	0.6	17
32	Tin(<scp>ii</scp>) oxide carbodiimide and its relationship to SnO. Dalton Transactions, 2018, 47, 13378-13383.	1.6	17
33	Ligand Influence on the Photophysical Properties and Electronic Structures of Tungsten Iodide Clusters. European Journal of Inorganic Chemistry, 2017, 2017, 5387-5394.	1.0	16
34	Rare Earth Carbodiimide Silicates: RE₂(CN₂)(SiO₄)Â. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 991-995.	0.6	15
35	Luminescence Quenching of Ligandâ€Substituted Molybdenum and Tungsten Halide Clusters by Oxygen and Their Oxidation Electrochemistry. European Journal of Inorganic Chemistry, 2017, 2017, 4259-4266.	1.0	15
36	Synthesis, Structure, and Electronic Properties of Sn(CN₂) and Sn₄Cl₂(CN₂)₃. Inorganic Chemistry, 2019, 58, 7845-7851.	1.9	15

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37	Phosphorusâ€Centered and Phosphinideneâ€Capped Tungsten Chloride Clusters. European Journal of Inorganic Chemistry, 2011, 2011, 4063-4068.	1.0	14
38	Synthesis and Crystal Structure of LiY(CN₂)₂, Having a Structure Related to That of NiAs. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 22-24.	0.6	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.	1.9	14
40	Luminescence Matching with the Sensitivity Curve of the Human Eye: Optical Ceramics Mg8-xMx(BN2)2N4with M = Al (x= 2) and M = Si (x= 1). European Journal of Inorganic Chemistry, 2015, 2015, 1716-1725.	1.0	14
41	Facile Way of Synthesis for Molybdenum Iodides. Inorganic Chemistry, 2016, 55, 12074-12078.	1.9	14
42	Photodynamic properties of tungsten iodide clusters incorporated into silicone: A2[M6I8L6]@silicone. RSC Advances, 2020, 10, 22257-22263.	1.7	14
43	Increased photocurrent of CuWO₄ photoanodes by modification with the oxide carbodiimide Sn₂O(NCN). Dalton Transactions, 2020, 49, 3450-3456.	1.6	14
44	Tb3+ luminescence enhancement of YAG:Tb3+ nanocrystals embedded in silica xerogel. Journal of Non-Crystalline Solids, 2009, 355, 1333-1337.	1.5	13
45	Synthesis and Photoluminescence Properties of the Redâ€Emitting Phosphor Mg₃(BN₂)N Doped with Eu²⁺. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 803-808.	0.6	13
46	New Tungsten Chloride Cluster Compounds Containing Iron or Cobalt: MW₂Cl₁₀ and MW₆Cl₁₄ (M = Fe,) Tj ETQq0 0 0 rgBT /Overloc		
47	Constitutional Isomerism of BiW6Cl15: (BiCl)[W6Cl14] and (BiCl2)[W6Cl13]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1517-1519.	0.6	11
48	From WCl₆ to WCl₂: Properties of Intermediate Feâ€“Wâ€“Cl Phases. Inorganic Chemistry, 2015, 54, 9826-9832.	1.9	11
49	Defect-Related Luminescence in ÂNitridoborate Nitride, Mg3Ga(BN2)N2. European Journal of Inorganic Chemistry, 2016, 2016, 861-866.	1.0	11
50	Eine einfache Methode zur Synthese von binÃren Wolframiodiden. Angewandte Chemie, 2016, 128, 4894-4897.	1.6	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.	1.1	11
52	Heterogeneous photoactive antimicrobial coatings based on a fluoroplastic doped with an octahedral molybdenum cluster compound. Dalton Transactions, 2021, 50, 8467-8475.	1.6	11
53	A Luminescent Material: La₃Cl(CN₂)O₃ Doped with Eu³⁺ or Tb³⁺ Ions. European Journal of Inorganic Chemistry, 2013, 2013, 3195-3199.	1.0	10
54	Lithium and Sodium Ion Distributions in A₂â€“x</sub>[W₆I₁₄] Structures. Inorganic Chemistry, 2018, 57, 2570-2576.	1.9	10

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55	W₄Br₁₀ Cluster Intermediates in the Solid State Nucleation of W₆Br₁₂. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 945-949.	0.6	9
56	Eu₂(CN₂)₃ and KEu[Si(CN₂)₄]: Missing Members of the Rare Earth Metal Carbodiimide and Tetracyanamidosilicate Series. European Journal of Inorganic Chemistry, 2016, 2016, 4011-4016.	1.0	9
57	Cluster Helix Structure of the Binary Compound W₅I₁₂. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 677-680.	0.6	8
58	Crystal Structure and Luminescence Investigations of the Nitridomagnesoaluminates Mg₃Al_nN_{n+2} with n = 1, 2, 3. European Journal of Inorganic Chemistry, 2017, 2017, 2727-2735.	1.0	8
59	A Reaction Cycle for Octahedral Tungsten Iodide Clusters. Inorganic Chemistry, 2017, 56, 5880-5884.	1.9	8
60	Synthesis, Luminescence and Nonlinear Optical Properties of Homoleptic Tetracyanamidogermanates ARE[Ge(CN₂)₄] (A = K, Cs, and RE = La, Ce, Pr, Nd, Sm, Eu,) Tj ETQq0 0 0 rgBT /Overlock	0.6	8
61	Solidâ€State Phosphorescence of A 2 [W 6 I 14] with A = PPN, PPh 4. European Journal of Inorganic Chemistry, 2019, 2019, 4014-4019.	1.0	8
62	The New Carbodiimide Li2Gd2Sr(CN2)5Having a Crystal Structure Related to That of Gd2(CN2)3. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 84-88.	0.6	7
63	Synthesis, Structure, and Luminescence of Rare Earth Cyanurates. European Journal of Inorganic Chemistry, 2015, 2015, 134-140.	1.0	7
64	Thermal Detection, Synthesis, and Structural Characterization of Compounds in the Coâ€“Wâ€“Cl System. Journal of Cluster Science, 2015, 26, 187-198.	1.7	7
65	Missing Carbodiimide and Oxide Carbodiimide of Scandium: Sc₂(CN₂)₃ and Sc₂O₂(CN₂). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1281-1284.	0.6	7
66	Lanthanide Nitrido Borates with Six-Membered B3N6 Rings: Ln3B3N6. Angewandte Chemie - International Edition, 1999, 38, 1607-1609.	7.2	6
67	Snap-Shots of a Reduction Pathway: The Reaction of WCl6with Copper Powder. European Journal of Inorganic Chemistry, 2016, 2016, 4234-4240.	1.0	6
68	The Missing Binary Tungsten Iodide Archetype Cluster W₄I₁₀. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1409-1411.	0.6	6
69	Synthesis, Structure, and Electronic Properties of Sn₉O₅Cl₄(CN₂)₂. Inorganic Chemistry, 2019, 58, 14560-14567.	1.9	6
70	Synthesis, Structure and Electronic Properties of Three Tin Oxide Halides. European Journal of Inorganic Chemistry, 2021, 2021, 283-288.	1.0	6
71	Crystal structure of lithium hexachlorotungstate(V), LiWCl6. Zeitschrift Fur Kristallographie - New Crystal Structures, 2008, 223, 5-6.	0.1	5
72	Cluster Harvesting in the WBr₆â€“P System. Inorganic Chemistry, 2015, 54, 989-992.	1.9	5

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73	(W₆I₈)Cl₄- A Basic Model Compound for Photophysically Active [(W₆I₈)L₆]²⁻Clusters?. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1435-1438.	0.6	5
74	Preparation and Luminescence of Cluster Compounds [W6Br8L6]2-with L = CF3COO and C7H7SO3. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1451-1455.	0.6	5
75	Lead Carbodiimides Related to the Mineral Bideauxite. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1898-1903.	0.6	5
76	Synthesis, structure and properties of a calcium oxonitridosilicate phosphor showing green or red luminescence upon doping with Eu²⁺ or Ce³⁺. Dalton Transactions, 2019, 48, 14069-14076.	1.6	5
77	Solidâ€State Preparation and Luminescence Investigation of Rare Earth Iodide Carbodiimide Nitrides RE₂I(CN₂)N (RE = La, Gd) and LaI(CN₂). European Journal of Inorganic Chemistry, 2020, 2020, 3954-3958.	1.0	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.	0.6	4
79	Origins of Iodine-Rich W₆I₁₂ Cluster Compounds and the Soluble Compound W₆I₂₂. Inorganic Chemistry, 2019, 58, 12867-12872.	1.9	4
80	Alkaline Earth Cluster Compounds AE[W₆I₁₄] and the Solvate [Ca(C₂H₆SO)₆][W₆I₁₄]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 831-834.	0.6	4
81	The Heteroleptic Cluster Cation [(W₆I₈)I₃(CH₃CN)₃]⁺. European Journal of Inorganic Chemistry, 2020, 2020, 3987-3990.	1.0	4
82	Up-conversion white emission and other luminescence properties of a YAG:Yb₂O₃Â·Tm₂O₃Â·Ho₂O₃@SiO₂ glass-nanocomposite. RSC Advances, 2018, 8, 11006-11013.	1.5	3
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.	0.6	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.	1.0	3
85	Reversible Iodine Intercalation into Tungsten Ditelluride. Inorganic Chemistry, 2021, 60, 1411-1418.	1.9	3
86	Tricopper Melaminate, a Metalâ€“Organic Framework Containing Dehydrogenated Melamine and Cuâ€“Cu Bonding. Inorganic Chemistry, 2021, 60, 16303-16307.	1.9	3
87	Carbodiimide Bridged Network Structure of [RE6O(NCN)6] Clusters in the Structure of RE8O(CN2)10Br2, REâ€‰=â€‰La, Ce, Pr, Nd. Journal of Cluster Science, 2023, 34, 1001-1008.	1.7	3
88	A journey through ternary lead chlorido tungstates by thermal scanning. Dalton Transactions, 2017, 46, 7743-7749.	1.6	2
89	Thermal Iodine Loss Cascade of W₅I₁₆. Inorganic Chemistry, 2017, 56, 14300-14305.	1.9	2
90	Lithium Ion Motion in Lithium Nitridoborate Chalcogenides Li₅(BN₂)Ch (Ch = Se, Te). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 461-465.	0.6	2

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91	Energy transfer in supramolecular [Crypt-RE]-[W₆I₁₄] solids. Dalton Transactions, 2020, 49, 9795-9803.	1.6	2
92	W₂O₃I₄ and WO₂I₂: metallic phases in the chemical transport reaction of tungsten. Dalton Transactions, 2021, 50, 6789-6792.	1.6	2
93	Synthesis and investigation into the structural, electronic and electrical properties of K2Pb(OCN)I3. Dalton Transactions, 2019, 48, 13813-13819.	1.6	1
94	Structure, polymorphism and luminescence of cyanate iodides MI(OCN) (M = Ba, Eu, and Sr). Dalton Transactions, 2020, 49, 14133-14139.	1.6	1
95	A New Modification of TeI₄ Possessing the Crystal Structure Proposed for WI₄. Crystal Growth and Design, 2020, 20, 3780-3784.	1.4	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.	0.6	1
97	Phase equilibria of the GeTeâ”Bi₂Te₃ quasi-binary system in the range 0â€“50â€…mol% Bi₂Te₃. Phase Transitions, 2021, 94, 366-375.	0.6	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, , .	0.6	1
99	Formation of a Polar Structure in the Metallic Niobium Sulfide Nb4S3. Inorganic Chemistry, 2021, 60, 17669-17676.	1.9	1
100	A refined phase diagram of the GeTe-Bi2Te3 system. Kondensirovannye Sredy Mezhfaznye Granitsy, 2022, 24, 11-18.	0.1	1
101	Synthesis, Structure, and Thermoelastic Properties of LiSn 2 Br 3 (CN 2) and Sn 4 Br 2 (CN 2) 3. European Journal of Inorganic Chemistry, 2021, 2021, 4572-4578.	1.0	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.	1.0	0