Jens MÃ¼ller

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6642486/publications.pdf

Version: 2024-02-01

79	1,589	279798	377865
papers	citations	23 h-index	34 g-index

86	86	86	825
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	[1]Ferrocenophanes, [1]Chromarenophanes, and [1]Vanadarenophanes with Aluminium and Gallium in Bridging Positions. Organometallics, 2006, 25, 5817-5823.	2.3	64
2	Ring-Opening Polymerization of a Galla[1]ferrocenophane: A Gallium-Bridged Polyferrocene with Observable Tacticity. Journal of the American Chemical Society, 2010, 132, 1794-1795.	13.7	64
3	Synthesis and Characterization of the First Aluminum-Bridged [1]Ferrocenophane. Organometallics, 2005, 24, 785-787.	2.3	57
4	[1]Metallocenophanes (M = Fe, Ru) of Heavier Group 13 Elements (E = Al, Ga):â€‰ Synthesis, Characterization, and Ring-Opening Polymerization. Organometallics, 2007, 26, 4658-4662.	2.3	51
5	[1]Molybdarenophanes:Â Strained Metallarenophanes with Aluminum, Gallium, and Silicon in Bridging Positions. Journal of the American Chemical Society, 2007, 129, 9313-9320.	13.7	45
6	Synthesis, Characterization, and Electrochemical Studies on [1.1]Ferrocenophanes Containing Aluminum, Gallium, and Indium. Inorganic Chemistry, 2006, 45, 454-459.	4.0	43
7	Understanding the Reactivity of Strained Sandwich Compounds with Aluminum or Gallium in Bridging Positions: Experiments and DFT Calculations. Journal of the American Chemical Society, 2012, 134, 7924-7936.	13.7	43
8	Aminodimethylalane (Me2AlNH2):â€‰ Matrix Isolation and ab Initio Calculations. Journal of the American Chemical Society, 1996, 118, 6370-6376.	13.7	41
9	Azides of the heavier Group 13 elements. Coordination Chemistry Reviews, 2002, 235, 105-119.	18.8	41
10	Gas-Phase Thermolysis of a Guanidinate Precursor of Copper Studied by Matrix Isolation, Time-of-Flight Mass Spectrometry, and Computational Chemistry. Inorganic Chemistry, 2010, 49, 2844-2850.	4.0	41
11	closo-Azadodecaborane, NB11H12. Angewandte Chemie International Edition in English, 1991, 30, 175-175.	4.4	40
12	Molecular structure of 1-aza-closo-dodecaborane(12). Experimental and theoretical refinement. Inorganic Chemistry, 1993, 32, 2442-2445.	4.0	40
13	Structure of Ammonia Trimethylalane (Me3Al-NH3):â€‰ Microwave Spectroscopy, X-ray Powder Diffraction, and ab Initio Calculations. Journal of the American Chemical Society, 1999, 121, 4647-4652.	13.7	40
14	Synthesis and Characterization of Heavier Group 13 Element Ferrocenophanes:Â The First Gallium-Bridged [1]Ferrocenophane and an Unusual Indium Species. Organometallics, 2005, 24, 4483-4488.	2.3	40
15	Syntheses and Structures of Intramolecularly Stabilized Organoaluminium Compounds. Chemische Berichte, 1995, 128, 493-497.	0.2	39
16	Molecular Structure of [CpFe(CO)2]2AlAr (Ar = 2-[(Dimethylamino)methyl]phenyl):Â An Alanediyl Complex with Two Feâ^'Al Bondsâ€. Inorganic Chemistry, 1996, 35, 7443-7444.	4.0	36
17	Metallocenophanes bridged by group 13 elements. Coordination Chemistry Reviews, 2016, 314, 114-133.	18.8	35
18	Examining thermolysis reactions and tautomerism of 2-mercapto-5-methyl-1,3,4-thiadiazole and 2,5-dimercapto-1,3,4-thiadiazole. Perkin Transactions II RSC, 2002, , 1620-1626.	1.1	32

#	Article	IF	Citations
19	MOCVD of TiO2thin films and studies on the nature of molecular mechanisms involved in the decomposition of [Ti(OPri)2(tbaoac)2]. Journal of Materials Chemistry, 2004, 14, 3231-3238.	6.7	30
20	Structures of (C5H5N)3Al(N3)3, [Me2N(CH2)3]2Al(N3) and Me2(N3)Al(H2NBut). Low-temperature OMVPE of AlN in the absence of ammonia. Chemical Communications, 1996, , 2685-2686.	4.1	28
21	A Flexible Approach to Strained Sandwich Compounds: Chiral [1]Ferrocenophanes with Boron, Gallium, Silicon, and Tin in Bridging Positions. Chemistry - A European Journal, 2013, 19, 13408-13417.	3.3	28
22	1-Alkyl-1-aza-closo-dodecaborane: a novel access to the icosahedral NB11 skeleton. Inorganic Chemistry, 1993, 32, 5053-5057.	4.0	26
23	The Dynamic Indium-Bridged [1.1]Ferrocenophane [(Me₂Ntsi)In(C₅H₄)₂Fe]₂. Organometallics, 2008, 27, 4703-4710.	2.3	26
24	Indiumâ€Bridged [1]Ferrocenophanes. Chemistry - A European Journal, 2014, 20, 2318-2327.	3.3	24
25	Determination of air-to-air energy wheels latent effectiveness using humidity step test data. International Journal of Heat and Mass Transfer, 2016, 103, 501-515.	4.8	23
26	Opening of an Aza-closo-dodecaborane to an Aza-nido-dodecaborate. Angewandte Chemie International Edition in English, 1992, 31, 1227-1229.	4.4	22
27	[1.1]Ferrocenophanes and Bis(ferrocenyl) Species with Aluminum and Gallium as Bridging Elements: Synthesis, Characterization, and Electrochemical Studies. Inorganic Chemistry, 2012, 51, 11155-11167.	4.0	22
28	Synthesis and Characterization of Aluminum- and Gallium-Bridged [1.1]Chromarenophanes and [1.1]Molybdarenophanes. Inorganic Chemistry, 2008, 47, 5992-6000.	4.0	21
29	Ferrocenophanes with gallium and silicon as alternating bridges. Chemical Communications, 2012, 48, 7823.	4.1	20
30	Insight into the Thermal Ringâ€Opening Polymerization of Phospha[1]ferrocenophanes. Chemistry - A European Journal, 2016, 22, 16838-16849.	3.3	20
31	Chiral Bora[1]ferrocenophanes: Syntheses, Mechanistic Insights, and Ringâ€Opening Polymerizations. Chemistry - A European Journal, 2014, 20, 16320-16330.	3.3	19
32	Azarhoda-closo-dodecaborane. Angewandte Chemie International Edition in English, 1991, 30, 1377-1379.	4.4	18
33	Syntheses and Structures of Intramolecularly Coordinated Azidoalanes. Organometallics, 1998, 17, 161-166.	2.3	18
34	Insights into the chemical vapor deposition of GaN using the single-source precursor Me2N(CH2)3Ga(N3)2: matrix isolation of Ga(N3). Chemical Communications, 2001, , 911-912.	4.1	18
35	How Strained are [1]Ferrocenophanes?. Organometallics, 2017, 36, 614-621.	2.3	18
36	Isomerization of an Enantiomerically Pure Phosphorus-Bridged [1]Ferrocenophane. Organometallics, 2014, 33, 3508-3513.	2.3	16

#	Article	IF	Citations
37	[2]Ferrocenophanes with Nitrogen in Bridging Positions. Organometallics, 2015, 34, 3039-3046.	2.3	16
38	Neue Wege zum Azaâ€nidoâ€decaboranâ€GerÃ¼st. Chemische Berichte, 1992, 125, 97-102.	0.2	15
39	Synthesis and Characterization of Neutral and Cationic Intramolecularly Coordinated Aluminum		

#	Article	IF	Citations
55	Silaborates with an Unprecedented Cluster Geometry. Organometallics, 1999, 18, 4654-4659.	2.3	10
56	[n]Ferrocenophanes (n = 2, 3) with Nitrogen and Phosphorus in Bridging Positions. Inorganic Chemistry, 2016, 55, 3630-3639.	4.0	10
57	Insertion of [Pt(PEt₃)₂] into a Strained Siâ˜C Bond of Diphenylsila[1]molybdarenophane. Organometallics, 2010, 29, 1977-1980.	2.3	9
58	Enantiopure Ferrocenophanes with Phosphorus in Bridging Positions: Thermostability and Ring-Opening Polymerization. Organometallics, 2019, 38, 2092-2104.	2.3	9
59	Syntheses of Chiral, Intramolecularly Coordinated Aluminum Bromides. , 2000, 2000, 153-157.		8
60	ansa-Zirconocenes with Aluminum or Gallium in Bridging Positions. Organometallics, 2010, 29, 6038-6044.	2.3	8
61	Unique Bora[1]ferrocenophanes with Sterically Protected Boron: Aâ€‰Potential Gateway to Helical Polyferrocenes. Angewandte Chemie - International Edition, 2019, 58, 16575-16582.	13.8	8
62	Azarhodaâ€closoâ€dodecaboran. Angewandte Chemie, 1991, 103, 1357-1358.	2.0	7
63	The first aluminium-bridged [1.1]ferrocenophane. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m682-m684.	0.2	7
64	Matrix isolation of HGaX2 (Xâ€…=â€…Cl or Br): IR spectroscopy and ab initio calculations. Journal of the Chemical Society Dalton Transactions, 1999, , 4149-4153.	1.1	6
65	The galla[1]ferrocenophane {[dimethyl(2-pyridyl)silyl]bis(trimethylsilyl)methyl-Î²²C,N}(ferrocene-1,1â€²-diyl)gallium(III). Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m517-m517.	0.2	6
66	Strained azabora[2]ferrocenophanes. Chemical Communications, 2018, 54, 5562-5565.	4.1	5
67	Adducts ofo-Silaborane With Water and Methanol. European Journal of Inorganic Chemistry, 2000, 2000, 735-739.	2.0	4
68	Synthesis of Monomeric Me2GaD via a Î²-Hydrogen Elimination at High Temperatures. A Matrix-Isolation Study. Journal of Physical Chemistry A, 2001, 105, 2112-2116.	2.5	4
69	Poly(ferrocenylsilane)s from planar-chiral sila[1]ferrocenophanes: How to twist a zig-zag chain into a helix. Polymer, 2022, 242, 124477.	3.8	4
70	Mechanism of the opening of the closo-NB11 clusters by bases. Pure and Applied Chemistry, 2003, 75, 1255-1261.	1.9	3
71	Synthesis and characterization of intramolecularly coordinated alanes with new sterically demanding trisyl-based ligands. Canadian Journal of Chemistry, 2007, 85, 483-490.	1.1	3
72	Unique Bora[1]ferrocenophanes with Sterically Protected Boron: Aâ€‰Potential Gateway to Helical Polyferrocenes. Angewandte Chemie, 2019, 131, 16728-16735.	2.0	2

#	Article	IF	Citations
73	Molecular motion in solid ammonia trimethylalane. Journal of Solid State Chemistry, 2003, 176, 120-126.	2.9	1
74	Insights into the Thermal Fragmentation of Intramolecularly Coordinated Gallanes. A Matrix-Isolation FTIR Study. Inorganic Chemistry, 2004, 43, 3955-3964.	4.0	1
75	X-Ray Spectroscopic Study of the Conduction Band of K3:Anthracene and K3:Phenanthrene. Journal of Physical Chemistry C, 2013, , 130826233621000.	3.1	1
76	Mechanism of the Opening of the closo-NB11 Clusters by Bases. ChemInform, 2004, 35, no.	0.0	0
77	A monomeric fourfold-coordinated indium dihalide with an unusual coordination geometry. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m2063-m2065.	0.2	0
78	Frontispiz: Unique Bora[1]ferrocenophanes with Sterically Protected Boron: Aâ€‰Potential Gateway to Helical Polyferrocenes. Angewandte Chemie, 2019, 131, .	2.0	0
79	Frontispiece: Unique Bora[1]ferrocenophanes with Sterically Protected Boron: Aâ€‰Potential Gateway to Helical Polyferrocenes. Angewandte Chemie - International Edition, 2019, 58, .	13.8	0