

C Gunnar Werncke

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7163845/publications.pdf>

Version: 2024-02-01

33
papers

863
citations

567144

15
h-index

501076

28
g-index

37
all docs

37
docs citations

37
times ranked

982
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron-Catalyzed C-H Borylation of Arenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 4062-4065.	6.6	166
2	Iron-Catalyzed Reduction of CO ₂ into Methylene: Formation of C-N, C-O, and C-C Bonds. <i>Journal of the American Chemical Society</i> , 2015, 137, 9563-9566.	6.6	139
3	Two-Coordinate Iron(I) Complex [Fe{N(SiMe ₃) ₂ }] ⁺ : Synthesis, Properties, and Redox Activity. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 245-248.	7.2	95
4	Homoleptic Two-Coordinate Silylamido Complexes of Chromium(I), Manganese(I), and Cobalt(I). <i>Chemistry - A European Journal</i> , 2016, 22, 1668-1674.	1.7	62
5	C-H Bond Activation by an Imido Cobalt(III) and the Resulting Amido Cobalt(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8527-8531.	7.2	52
6	Reactions of Alkynes with Quasi-Linear 3d Metal(I) Silylamides of Chromium to Cobalt: A Comparative Study. <i>Inorganic Chemistry</i> , 2020, 59, 9521-9537.	1.9	27
7	The ambiguous behaviour of diphosphines towards the quasilinear iron(i) complex [Fe(N(SiMe ₃) ₂) ₂] ⁺ between inertness, P-C bond cleavage and C-C double bond isomerisation. <i>Chemical Communications</i> , 2020, 56, 2268-2271.	2.2	22
8	High-Spin Imido Cobalt Complexes with Imidyl Radical Character**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15376-15380.	7.2	22
9	Haloperoxidase Activity of Oxovanadium(V) Thiobisphenolates. <i>Chemistry - A European Journal</i> , 2011, 17, 2931-2938.	1.7	20
10	C-Halide bond cleavage by a two-coordinate iron(i) complex. <i>Dalton Transactions</i> , 2019, 48, 1757-1765.	1.6	20
11	Reduction of 2,2'-Bipyridine by Quasi-Linear 3d-Metal(I) Silylamides: A Structural and Spectroscopic Study. <i>Inorganics</i> , 2019, 7, 117.	1.2	19
12	Quasilinear 3d-metal complexes [KM(N(Dipp)SiR ₃) ₂] (M = Cr-Co) structural diversity, solution state behaviour and reactivity. <i>Dalton Transactions</i> , 2021, 50, 4890-4903.	1.6	19
13	C-H-Bindungsaktivierung durch einen Imidocobalt(III)- und den resultierenden Amidocobalt(II)-Komplex. <i>Angewandte Chemie</i> , 2020, 132, 8605-8609.	1.6	18
14	Ising-type Magnetic Anisotropy and Slow Relaxation of the Magnetization in Four-Coordinate Amido-Pyridine Fe ^{II} Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 10968-10977.	1.9	17
15	Crystal Structure and Magnetic Characterization of Three-Coordinate [M{N(SiMe ₃) ₂ } ₂ (PCyp ₃)] Complexes with M = MnII, FeII, and CoII (Cyp = Cyclopentyl). <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1041-1406.	1.0	17
16	Reductive Coupling of (Fluoro)pyridines by Linear 3d-Metal(I) Silylamides of Cr-Co: A Tale of C-C Bond Formation, C-F Bond Cleavage and a Pyridyl Radical Anion. <i>Chemistry - A European Journal</i> , 2021, 27, 4932-4938.	1.7	15
17	Between imide, imidyl and nitrene - an imido iron complex in two oxidation states. <i>Chemical Science</i> , 2022, 13, 7907-7913.	3.7	15
18	Surface-Inspired Molecular Vanadium Oxide Catalysts for the Oxidative Dehydrogenation of Alcohols: Evidence for Metal Cooperation and Peroxide Intermediates. <i>Chemistry - A European Journal</i> , 2011, 17, 12129-12135.	1.7	13

#	ARTICLE	IF	CITATIONS
19	A Molecular Low-coordinate [Fe ₂] Unit in Three Oxidation States. Chemistry - A European Journal, 2021, 27, 6348-6353.	1.7	12
20	Cobalt and Iron Stabilized Ketyl, Ketiminyl and Aldiminyl Radical Anions. Chemistry - A European Journal, 2021, 27, 16760-16767.	1.7	12
21	On the Synthesis and Reduction of Trigonal Halido Bis(silylamido) Metalates of Chromium to Cobalt. European Journal of Inorganic Chemistry, 2021, 2021, 4383-4392.	1.0	8
22	Homoleptic quasilinear metal(II) silylamides of Cr ^{IV} Co with phenyl and allyl functions – impact of the oxidation state on secondary ligand interactions. Dalton Transactions, 2021, 50, 10947-10963.	1.6	8
23	On the Synthesis of a T-shaped Imido Nickel Complex and Trigonal Amido Nickel Complexes. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	6
24	Synthesis and characterisation of a very low-coordinate diferrous [2Fe ²⁺] ₂ unit. Chemical Communications, 2021, 57, 10751-10754.	2.2	5
25	High-spin carbonyl complexes of iron(II) and cobalt(II). Dalton Transactions, 2021, 51, 179-184.	1.6	5
26	Intricate Road to Linear Anionic Nickel(I) Hexamethyldisilazanide [Ni(N(SiMe ₃) ₂) ₂] ⁻ . Inorganic Chemistry, 2022, 61, 7794-7803.	1.9	5
27	Direct Proof for a Lower Reactivity of Monomeric vs. Dimeric Oxidovanadium Complexes in Alcohol Oxidation. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2426-2432.	0.6	4
28	Catalytic 1,3-H Atom Shift of a Terminal Benzylic Alkyne by Iron and Alkali Metal Silylamides – Switching between Allene and Internal Alkyne. European Journal of Inorganic Chemistry, 0, .	1.0	4
29	High-spin-Imidocobaltkomplexe mit Imidylradikalcharakter**. Angewandte Chemie, 2021, 133, 15504-15508.	1.6	3
30	NHC-stabilized Parent Phosphinidene Adducts of Metal(II) Hexamethyldisilazanides of Manganese – Cobalt and Their Lability in Solution. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 0, , e202100338.	0.6	3
31	Very Low Oxidation States in Organometallic Chemistry. , 2022, , 86-108.		1
32	Synthesis of the open-shell 3d-transition metal(II) bis(phosphinidene) [Mn{P(sIDipp)} ₂]. Dalton Transactions, 2022, 51, 1765-1768.	1.6	1
33	Trendbericht Anorganik 2022 Teil 2: Nebengruppen und Koordinationschemie, Bioanorganik und mehr. Nachrichten Aus Der Chemie, 2022, 70, 52-62.	0.0	0