

Manfred Felix Speldrich

List of Publications by Year in descending order

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the Stabilization and Tunability of Divalent Europium 2.2.2B Cryptates. Inorganic Chemistry, 2021, 60, 7815-7826.	4.0	16
2	Compression of curium pyrrolidine-dithiocarbamate enhances covalency. Nature, 2020, 583, 396-399.	27.8	34
3	CONDON 3.0: An Updated Software Package for Magnetochemical Analysis—All the Way to Polynuclear Actinide Complexes. Journal of Computational Chemistry, 2018, 39, 2133-2145.	3.3	29
4	Magnetism of Actinide Coordination Compounds. Topics in Organometallic Chemistry, 2018, , 391-410.	0.7	1
5	Electronic Structure and Properties of Berkelium Iodates. Journal of the American Chemical Society, 2017, 139, 13361-13375.	13.7	25
6	Alkoxide bridged Copper(II) Hinokitiolato and Tropolonato Complexes: Polymorphism, Reconstructive Phase Transition, and Magnetic Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 222-230.	1.2	1
7	Characterization of berkelium(III) dipicolinate and borate compounds in solution and the solid state. Science, 2016, 353, .	12.6	86
8	Understanding the magnetism of {Fe ₂ Ln} dimers, step-by-step. Inorganic Chemistry Frontiers, 2016, 3, 1071-1075.	6.0	21
9	The roles of 4f- and 5f-orbitals in bonding: a magnetochemical, crystal field, density functional theory, and multi-reference wavefunction study. Dalton Transactions, 2016, 45, 11508-11521.	3.3	59
10	Comprehensive Characterization of the Electronic Structure of U ⁴⁺ in Uranium(IV) Phosphate Chloride. Inorganic Chemistry, 2016, 55, 6848-6852.	4.0	11
11	Dynamic magnetism of an iron(II)-chlorido spin chain and its hexametallic segment. Dalton Transactions, 2015, 44, 1456-1464.	3.3	16
12	Undecametallic and hexadecametallic ferric oxo-hydroxo/ethoxo pivalate clusters. Dalton Transactions, 2015, 44, 7777-7780.	3.3	12
13	Comprehensive insight into molecular magnetism via CONDON: Full vs. effective models. Coordination Chemistry Reviews, 2015, 289-290, 137-148.	18.8	71
14	A comparative synthetic, magnetic and theoretical study of functional M ₄ Cl ₄ cubane-type Co(II) and Ni(II) complexes. Dalton Transactions, 2014, 43, 7847.	3.3	40
15	Magnetochemical Complexity of Hexa- and Heptanuclear Wheel Complexes of Late 3d Ions Supported by N-Donor Pyridyl-Methanolate Ligands. Chemistry - A European Journal, 2014, 20, 3769-3781.	3.3	15
16	Interpenetrated (8,3)-c and (10,3)-b Metal-Organic Frameworks Based on {Fe ^{III} ₃ } and {Fe ^{III} ₂ Co ^{II} } Pivalate Spin Clusters. Crystal Growth and Design, 2014, 14, 4721-4728.	3.0	19
17	Polyol-mediated low-temperature synthesis of crystalline tungstate nanoparticles MWO ₄ (M = Mn, Fe,) Tj ETQq1 1 0.784314 rgBT / Ov	3.2	65
18	Synthesis, Structure, and Magnetic Properties of a New Family of Tetra-nuclear {Mn ^{III} Ln ₂ } (Ln = Dy, Gd,) Tj ETQq0 0 0 rgBT / Overlock 1 and Terbium Analogues. Inorganic Chemistry, 2013, 52, 5035-5044.	4.0	67

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19	Chain and layer networks of germanato-polyoxovanadates. <i>CrystEngComm</i> , 2013, 15, 10238.	2.6	16
20	Avoiding Magnetochemical Overparametrization, Exemplified by One-Dimensional Chains of Hexanuclear Iron(III) Pivalate Clusters. <i>Inorganic Chemistry</i> , 2013, 52, 4154-4156.	4.0	15
21	Syntheses, Crystal Structures and Magnetic Properties of $\text{Cr}(\text{NCNH})_2(\text{NCNH})_4\text{Cl}_2$ and $\text{Mn}(\text{NCNH})_2(\text{NCNH})_4\text{Cl}_2$. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2012, 67, 1205-1211.	0.7	3
22	A polyoxometalate-based single-molecule magnet with an $S = 21/2$ ground state. <i>Chemical Communications</i> , 2012, 48, 1218-1220.	4.1	84
23	$[\text{Co}_x\text{Cu}_{1-x}(\text{DDOP})(\text{OH}_2)(\text{NO}_3)](\text{NO}_3)$: hydrogen bond-driven distortion of cobalt(ii) by solid solution $\hat{=}$ network mismatch $\hat{=}$ ™. <i>Dalton Transactions</i> , 2012, 41, 4927.	3.3	6
24	Linear, Zigzag, and Helical Cerium(III) Coordination Polymers. <i>Crystal Growth and Design</i> , 2012, 12, 1593-1602.	3.0	31
25	Magnetic Anisotropy of Dichlorobis(η -5-cyclopentadienyl) Complexes of Vanadium, Niobium, and Tantalum. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1432-1436.	1.2	5
26	Chiral Hexanuclear Ferric Wheels. <i>Inorganic Chemistry</i> , 2012, 51, 2734-2736.	4.0	9
27	Cluster-Based Networks: 1D and 2D Coordination Polymers Based on $\{\text{MnFe}_2(\mu_3\text{-O})\}$ -Type Clusters. <i>Inorganic Chemistry</i> , 2012, 51, 5110-5117.	4.0	33
28	Macrocycles based on magnetically functionalized zirconium oxide clusters. <i>Inorganica Chimica Acta</i> , 2012, 380, 72-77.	2.4	9
29	New Quaternary Hydride $\text{CeZnSnH}_{1.5}$: Structure, Magnetism, and Chemical Bonding. <i>Chemistry of Materials</i> , 2011, 23, 1096-1104.	6.7	10
30	Utilizing the Adaptive Polyoxometalate $[\text{As}_2\text{W}_{19}\text{O}_{67}(\text{H}_2\text{O})]^{14-}$ To Support a Polynuclear Lanthanoid-Based Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2011, 50, 7004-7014.	4.0	113
31	Heterometal expansion of oxozirconium carboxylate clusters. <i>Dalton Transactions</i> , 2011, 40, 331-333.	3.3	32
32	A Computational Framework for Magnetic Polyoxometalates and Molecular Spin Structures: CONDON 2.0. <i>Israel Journal of Chemistry</i> , 2011, 51, 215-227.	2.3	77
33	A new series of lanthanoid containing Keggin-type germanotungstates with acetate chelators: $[\{\text{Ln}(\text{CH}_3\text{COO})\text{GeW}_{11}\text{O}_{39}(\text{H}_2\text{O})\}_2]^{12-}$ $\{\text{Ln}=\text{EuIII}, \text{GdIII}, \text{TbIII}, \text{DyIII}, \text{HoIII}, \text{ErIII}, \text{TmIII}, \text{and YbIII}\}$. <i>Journal of Solid State Chemistry</i> , 2011, 184, 214-219.	2.9	21
34	Isomorphous Catena Transition Metal Squarates $[\text{M}(\text{C}_4\text{O}_4)(\text{dmsO})_2(\text{OH}_2)_2]$ (M = Co, Mn) and Magnetic Investigation into their Solid Solution M = $\text{Co}_x\text{Mn}_{1-x}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 536-542.	1.2	11
35	A Heptanuclear Iron(III) Oxo-Carboxylate Cluster. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 821-823.	1.2	6
36	Molecular Growth of a Core-Shell Polyoxometalate. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5212-5216.	13.8	141

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37	{Fe ₆ O ₂ }-Based Assembly of a Tetradecanuclear Iron Nanocluster. <i>Materials</i> , 2011, 4, 300-310.	2.9	13
38	Magnetic Coupling in Enantiomerically Pure Trinuclear Helicate-Type Complexes Formed by Hierarchical Self-Assembly. <i>Chemistry - A European Journal</i> , 2010, 16, 8797-8804.	3.3	19
39	A Ferromagnetic Carbodiimide: Cr ₂ (NCN) ₃ . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4738-4742.	13.8	67
40	Terbium Polyoxometalate Organic Complexes: Correlation of Structure with Luminescence Properties. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7702-7705.	13.8	172
41	Heterometallic hexanuclear isobutyrate clusters based on di- and tripodal alcohols. <i>Polyhedron</i> , 2010, 29, 1990-1997.	2.2	12
42	Synthesis, High-resolution Crystal Structure Refinement and Magnetic Properties of the Manganese-rich Cementite-type Mn _{1.8} Fe _{1.2} C. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2010, 65, 1235-1239.	0.7	2
43	A tetranuclear cobalt(ii) chain with slow magnetization relaxation. <i>Dalton Transactions</i> , 2010, 39, 10827.	3.3	29
44	Structural Phase Transitions in EuC ₂ . <i>Inorganic Chemistry</i> , 2010, 49, 312-318.	4.0	16
45	Synthesis, Characterization, and Quantum-Chemical Studies of Ni(CN) ₂ MX (M = Rb, Cs; X =) <i>Tj ETQq</i> 1,1 0.784314 rgBT / Overloc 4.0	4.0	43
46	Syntheses and Magnetostructural Investigations on Kuratowski-Type Homo- and Heteropentanuclear Coordination Compounds [M ₂ Zn ₄ Cl ₄ (L) ₆] (M ^{II} = Zn, Fe) <i>Tj ETQq</i> 0 0 0 rgBT / Overloc 4.0	4.0	43
47	Nonplanar K _{3,3} Graph. <i>Inorganic Chemistry</i> , 2010, 49, 7424-7434. One-Dimensional Coordination Polymers from Hexanuclear Manganese Carboxylate Clusters Featuring a {Mn ^{II} ₄ Mn ^{III} ₂ ($\frac{1}{4}$ -O) ₂ } Core and Spacer Linkers. <i>Inorganic Chemistry</i> , 2010, 49, 7764-7772.	4.0	28
48	Switching slow relaxation in a Mn ^{III} Mn ^{IV} cluster: an example of grafting single-molecule magnets onto polyoxometalates. <i>Chemical Communications</i> , 2010, 46, 2760.	4.1	92
49	The role of π - π stacking in stabilizing a, a-trans-cyclohexane-1,4-dicarboxylate in a 2D Co(ⁱⁱ) network. <i>CrystEngComm</i> , 2010, 12, 1057-1059.	2.6	31
50	New iron(III) undeca- and tetradecanuclear carboxylate clusters. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s265-s265.	0.3	0
51	FeNCN and Fe(NCNH) ₂ : Synthesis, Structure, and Magnetic Properties of a Nitrogen-Based Pseudo-oxide and -hydroxide of Divalent Iron. <i>Chemistry - A European Journal</i> , 2009, 15, 1558-1561.	3.3	89
52	Diphenic Acid-Based Cobalt(II) Complexes: Trinuclear and Double-Helical Structures. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1011-1018.	2.0	26
53	Nonanuclear Coordination Compounds Featuring {M ₉ L ₁₂ } ⁶⁺ Cores (M = Ni ^{II} , Co ^{II} , or Zn ^{II} ; L = 1,2,3-Benzotriazolate). <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3094-3101.	2.0	24
54	Decanuclear Manganese Isobutyrate Clusters Featuring a Novel Mn ^{II} ₈ Mn ^{III} ₂ Core. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4209-4212.	2.0	8

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55	A Novel Expansion Mode of Polyoxovanadate Clusters: Synthesis, Crystal Structure and Properties of $\{[\text{Cu}(\text{H}_2\text{O})(\text{C}_5\text{H}_{14}\text{N}_2)_2]_2[\text{V}_{16}\text{O}_{38}]\}$ Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1094-1099.		
56	Transition Metal Tetrathiosquarates: One-Dimensional Linking in the Iron(II) Salt $\text{FeC}_4\text{S}_4 \cdot 6\text{H}_2\text{O}$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1991-1996.	1.2	3
57	Polyoxotungstate-encapsulated Gd_6 and Yb_{10} complexes. Chemical Communications, 2009, , 328-330.	4.1	118
58	Caesium-templated lanthanoid-containing polyoxotungstates. Dalton Transactions, 2009, , 4423.	3.3	52
59	Size-Induced Variations in Lattice Dimension, Photoluminescence, and Photocatalytic Activity of ZnO Nanorods. Journal of Nanoscience and Nanotechnology, 2008, 8, 1301-1306.	0.9	24
60	Synthesis, Physicochemical Characterization and MR Relaxometry of Aqueous Ferrofluids. Journal of Nanoscience and Nanotechnology, 2008, 8, 2399-2409.	0.9	2
61	Synthesis, Crystal-Structure Determination and Magnetic Properties of Two New Transition-Metal Carbodiimides: CoNCN and NiNCN . Inorganic Chemistry, 2007, 46, 2204-2207.	4.0	96
62	mit $\text{M II} = \text{Fe, Co, Ni}$ ($n = 2$) und $\text{M II} = \text{Cu}$ ($n = 1$): Vier neue Koordinationspolymere mit dem Acetylendicarboxylat-Dianion (ADC^{2-}) als verbrückendem Liganden. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 1382-1390.	1.2	13
63	The Valence State of Uranium in $\text{K}_6\text{Cu}_{12}\text{U}_2\text{S}_{15}$. ChemInform, 2004, 35, no.	0.0	0
64	The valence state of uranium in $\text{K}_6\text{Cu}_{12}\text{U}_2\text{S}_{15}$. Journal of Alloys and Compounds, 2004, 374, 249-252.	5.5	10