

Manfred Felix Speldrich

List of Publications by Year in descending order

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186265

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2367
citing authors

#	ARTICLE	IF	CITATIONS
1	Terbium Polyoxometalate Organic Complexes: Correlation of Structure with Luminescence Properties. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7702-7705.	13.8	172
2	Molecular Growth of a Core-Shell Polyoxometalate. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5212-5216.	13.8	141
3	Polyoxotungstate-encapsulated Gd ₆ and Yb ₁₀ complexes. <i>Chemical Communications</i> , 2009, , 328-330.	4.1	118
4	Utilizing the Adaptive Polyoxometalate [As ₂ W ₁₉ O ₆₇ (H ₂ O)] ¹⁴⁻ To Support a Polynuclear Lanthanoid-Based Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2011, 50, 7004-7014.	4.0	113
5	Synthesis, Crystal-Structure Determination and Magnetic Properties of Two New Transition-Metal Carbodiimides: A CoNCN and NiNCN. <i>Inorganic Chemistry</i> , 2007, 46, 2204-2207.	4.0	96
6	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
7	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
8	Characterization of berkelium(III) dipicolinate and borate compounds in solution and the solid state. <i>Science</i> , 2016, 353, .	12.6	86
9	A polyoxometalate-based single-molecule magnet with an S = 21/2 ground state. <i>Chemical Communications</i> , 2012, 48, 1218-1220.	4.1	84
10	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
11	Comprehensive insight into molecular magnetism via CONDON: Full vs. effective models. <i>Coordination Chemistry Reviews</i> , 2015, 289-290, 137-148.	18.8	71
12	A Ferromagnetic Carbodiimide: Cr ₂ (NCN) ₃ . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4738-4742.	13.8	67
13	Synthesis, Structure, and Magnetic Properties of a New Family of Tetra-nuclear {Mn ₂ Ln ₂ } (Ln = Dy, Gd,) Tj ETQq1 1 0.784314 rgBT / Ov and Terbium Analogues. <i>Inorganic Chemistry</i> , 2013, 52, 5035-5044.	4.0	67
14	Polyol-mediated low-temperature synthesis of crystalline tungstate nanoparticles MWO ₄ (M = Mn, Fe,) Tj ETQq0 0.0 rgBT / Overlock 10	3.2	65
15	The roles of 4f- and 5f-orbitals in bonding: a magnetochemical, crystal field, density functional theory, and multi-reference wavefunction study. <i>Dalton Transactions</i> , 2016, 45, 11508-11521.	3.3	59
16	Caesium-templated lanthanoid-containing polyoxotungstates. <i>Dalton Transactions</i> , 2009, , 4423.	3.3	52
17	Syntheses and Magnetostructural Investigations on Kuratowski-Type Homo- and Heteropentanuclear Coordination Compounds [M ₂ Zn ₄ Cl ₄ (L) ₆] (M ^{II} = Zn, Fe,) Tj ETQq1 1 0.784314 rgBT / Ov Nonplanar K ₃ Graph. <i>Inorganic Chemistry</i> , 2010, 49, 7424-7434.	4.0	43
18	A comparative synthetic, magnetic and theoretical study of functional M ₄ Cl ₄ cubane-type Co(ii) and Ni(ii) complexes. <i>Dalton Transactions</i> , 2014, 43, 7847.	3.3	40

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19	Compression of curium pyrrolidine-dithiocarbamate enhances covalency. <i>Nature</i> , 2020, 583, 396-399.	27.8	34
20	Cluster-Based Networks: 1D and 2D Coordination Polymers Based on $\{\text{MnFe}_2(\mu_4\text{-O})\}$ -Type Clusters. <i>Inorganic Chemistry</i> , 2012, 51, 5110-5117.	4.0	33
21	Heterometal expansion of oxozirconium carboxylate clusters. <i>Dalton Transactions</i> , 2011, 40, 331-333.	3.3	32
22	The role of π - π stacking in stabilizing a,a-trans-cyclohexane-1,4-dicarboxylate in a 2D $\text{Co}(\mu_2)$ network. <i>CrystEngComm</i> , 2010, 12, 1057-1059.	2.6	31
23	Linear, Zigzag, and Helical Cerium(III) Coordination Polymers. <i>Crystal Growth and Design</i> , 2012, 12, 1593-1602.	3.0	31
24	A tetranuclear cobalt(ii) chain with slow magnetization relaxation. <i>Dalton Transactions</i> , 2010, 39, 10827.	3.3	29
25	CONDON 3.0: An Updated Software Package for Magnetochemical Analysis—All the Way to Polynuclear Actinide Complexes. <i>Journal of Computational Chemistry</i> , 2018, 39, 2133-2145.	3.3	29
26	One-Dimensional Coordination Polymers from Hexanuclear Manganese Carboxylate Clusters Featuring a $\{\text{Mn}^{\text{II}}_4\text{Mn}^{\text{III}}_2(\mu_4\text{-O})_2\}$ Core and Spacer Linkers. <i>Inorganic Chemistry</i> , 2010, 49, 7764-7772.	4.0	28
27	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
28	Electronic Structure and Properties of Berkelium Iodates. <i>Journal of the American Chemical Society</i> , 2017, 139, 13361-13375.	13.7	25
29	Size-Induced Variations in Lattice Dimension, Photoluminescence, and Photocatalytic Activity of ZnO Nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 1301-1306.	0.9	24
30	Nonanuclear Coordination Compounds Featuring $\{\text{M}_9\text{L}_{12}\}^{6+}$ 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
31	A Novel Expansion Mode of Polyoxovanadate Clusters: Synthesis, Crystal Structure and Properties of $[\{\text{Cu}(\text{H}_2\text{O})(\text{C}_5\text{H}_{14}\text{N}_2)_2\}_2\text{V}_{16}\text{O}_{38}]$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 1094-1099.		
32	A new series of lanthanoid containing Keggin-type germanotungstates with acetate chelators: $[\{\text{Ln}(\text{CH}_3\text{COO})\text{GeW}_{11}\text{O}_{39}(\text{H}_2\text{O})_2\}_{12}]^{24-}$ {Ln = Eu ^{III} , Gd ^{III} , Tb ^{III} , Dy ^{III} , Ho ^{III} , Er ^{III} , Tm ^{III} , and Yb ^{III} }. <i>Journal of Solid State Chemistry</i> , 2011, 184, 214-219.	2.9	21
33	Understanding the magnetism of $\{\text{Fe}_2\text{Ln}\}$ dimers, step-by-step. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1071-1075.	6.0	21
34	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
35	Interpenetrated (8,3)-c and (10,3)-b Metal-Organic Frameworks Based on $\{\text{Fe}^{\text{III}}_3\}$ and $\{\text{Fe}^{\text{III}}_2\text{Co}^{\text{II}}\}$ Pivalate Spin Clusters. <i>Crystal Growth and Design</i> , 2014, 14, 4721-4728.	3.0	19
36	Structural Phase Transitions in EuC_2 . <i>Inorganic Chemistry</i> , 2010, 49, 312-318.	4.0	16

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37	Chain and layer networks of germanato-polyoxovanadates. CrystEngComm, 2013, 15, 10238.	2.6	16
38	Dynamic magnetism of an iron(II)-chlorido spin chain and its hexametallic segment. Dalton Transactions, 2015, 44, 1456-1464.	3.3	16
39	Understanding the Stabilization and Tunability of Divalent Europium 2.2.2B Cryptates. Inorganic Chemistry, 2021, 60, 7815-7826.	4.0	16
40	Avoiding Magnetochemical Overparametrization, Exemplified by One-Dimensional Chains of Hexanuclear Iron(III) Pivalate Clusters. Inorganic Chemistry, 2013, 52, 4154-4156.	4.0	15
41	Magnetochemical Complexity of Hexa- and Heptanuclear Wheel Complexes of Late d Ions Supported by N-Donor Pyridyl-Methanolate Ligands. Chemistry - A European Journal, 2014, 20, 3769-3781.	3.3	15
42	mit M II = Fe, Co, Ni (n = 2) und M II = 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
43	{Fe ₆ O ₂ }-Based Assembly of a Tetradecanuclear Iron Nanocluster. Materials, 2011, 4, 300-310.	2.9	13
44	Heterometallic hexanuclear isobutyrate clusters based on di- and tripodal alcohols. Polyhedron, 2010, 29, 1990-1997.	2.2	12
45	Undecametallic and hexadecametallic ferric oxo-hydroxo/ethoxo pivalate clusters. Dalton Transactions, 2015, 44, 7777-7780.	3.3	12
46	Isomorphous Catena Transition Metal Squarates [MII(C ₄ O ₄)(dmsO) ₂ (OH ₂) ₂] (M = Co, Mn) and Magnetic Investigation into their Solid Solution M = Co _x Mn _{1-x} . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 536-542.	1.2	11
47	Comprehensive Characterization of the Electronic Structure of U ⁴⁺ in Uranium(IV) Phosphate Chloride. Inorganic Chemistry, 2016, 55, 6848-6852.	4.0	11
48	The valence state of uranium in K ₆ Cu ₁₂ U ₂ S ₁₅ . Journal of Alloys and Compounds, 2004, 374, 249-252.	5.5	10
49	New Quaternary Hydride CeZnSnH _{1.5} : Structure, Magnetism, and Chemical Bonding. Chemistry of Materials, 2011, 23, 1096-1104.	6.7	10
50	Chiral Hexanuclear Ferric Wheels. Inorganic Chemistry, 2012, 51, 2734-2736.	4.0	9
51	Macrocycles based on magnetically functionalized zirconium oxide clusters. Inorganica Chimica Acta, 2012, 380, 72-77.	2.4	9
52	Decanuclear Manganese Isobutyrate Clusters Featuring a Novel Mn ^{II} ₈ Mn ^{III} ₂ Core. European Journal of Inorganic Chemistry, 2009, 2009, 4209-4212.	2.0	8
53	A Heptanuclear Iron(III) Oxo-Carboxylate Cluster. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 821-823.	1.2	6
54	[Co _x Cu _{1-x} (DDOP)(OH ₂)(NO ₃)](NO ₃): hydrogen bond-driven distortion of cobalt(ii) by solid solution network mismatch™. Dalton Transactions, 2012, 41, 4927.	3.3	6

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55	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
56	Transition Metal Tetrathiosquarates: One-Dimensional Linking in the Iron(II) Salt $\text{FeC}_4\text{S}_4 \cdot 6\text{H}_2\text{O}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 1991-1996.	1.2	3
57	Syntheses, Crystal Structures and Magnetic Properties of $\text{Cr}(\text{NCNH})_2\text{Cl}_2$ and $\text{Mn}(\text{NCNH})_2\text{Cl}_2$. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2012, 67, 1205-1211.	0.7	3
58	Synthesis, High-resolution Crystal Structure Refinement and Magnetic Properties of the Manganese-rich Cementite-type $\text{Mn}_{1.8}\text{Fe}_{1.2}\text{C}$. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2010, 65, 1235-1239.	0.7	2
59	Synthesis, Physicochemical Characterization and MR Relaxometry of Aqueous Ferrofluids. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 2399-2409.	0.9	2
60	Synthesis, Characterization, and Quantum-Chemical Studies of $\text{Ni}(\text{CN})_2\text{MX}$ (M = Rb, Cs; X =) $\text{Tj ETQq0,0,0 rgBT / Overlock 1}$	4.0	1
61	Alkoxide bridged Copper(II) Hinokitiolato and Tropolonato Complexes: Polymorphism, Reconstructive Phase Transition, and Magnetic Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 222-230.	1.2	1
62	Magnetism of Actinide Coordination Compounds. <i>Topics in Organometallic Chemistry</i> , 2018, , 391-410.	0.7	1
63	The Valence State of Uranium in $\text{K}_6\text{Cu}_{12}\text{U}_2\text{S}_{15}$. <i>ChemInform</i> , 2004, 35, no.	0.0	0
64	New iron(III) undeca- and tetradecanuclear carboxylate clusters. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s265-s265.	0.3	0