

Winfried Plass

List of Publications by Year in descending order

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papers

693
citations

516681

16
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580810

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47
all docs

47
docs citations

47
times ranked

855
citing authors

#	ARTICLE	IF	CITATIONS
1	Gramicidin is a bacterial siderophore with a diazeniumdiolate ligand system. <i>Nature Chemical Biology</i> , 2018, 14, 841-843.	8.0	73
2	Single-Chain Magnet Based on Cobalt(II) Thiocyanate as XXZ Spin Chain. <i>Chemistry - A European Journal</i> , 2020, 26, 2837-2851.	3.3	54
3	Static and dynamic magnetic properties of the ferromagnetic coordination polymer [Co(NCS) ₂ (py) ₂] _n . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24534-24544.	2.8	44
4	Variation of the Chain Geometry in Isomeric 1D Co(NCS) ₂ Coordination Polymers and Their Influence on the Magnetic Properties. <i>Inorganic Chemistry</i> , 2020, 59, 5325-5338.	4.0	38
5	Light-Induced Spin Crossover in an Fe(II) Low-Spin Complex Enabled by Surface Adsorption. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1491-1496.	4.6	35
6	Molecular electronic spin qubits from a spin-frustrated trinuclear copper complex. <i>Chemical Communications</i> , 2018, 54, 12934-12937.	4.1	34
7	Anionic Dinuclear Oxidovanadium(IV) Complexes with Azo Functionalized Tridentate Ligands and 1/4-Ethoxido Bridge Leading to an Unsymmetric Twisted Arrangement: Synthesis, X-ray Structure, Magnetic Properties, and Cytotoxicity. <i>Inorganic Chemistry</i> , 2018, 57, 5767-5781.	4.0	33
8	How to link theory and experiment for single-chain magnets beyond the Ising model: magnetic properties modeled from <i>ab initio</i> calculations of molecular fragments. <i>Chemical Science</i> , 2019, 10, 9189-9202.	7.4	29
9	Magnetic relaxation in cobalt(ii)-based single-ion magnets influenced by distortion of the pseudotetrahedral [N2O2] coordination environment. <i>Dalton Transactions</i> , 2018, 47, 10861-10873.	3.3	27
10	ESIPT-capable 2,6-di(1 <i>H</i> -imidazol-2-yl)phenols with very strong fluorescent sensing signals towards Cr(III), Zn(II), and Cd(II): molecular variation effects on turn-on efficiency. <i>New Journal of Chemistry</i> , 2018, 42, 7884-7900.	2.8	26
11	Structure and Properties of a Five-Coordinate Nickel(II) Porphyrin. <i>Inorganic Chemistry</i> , 2019, 58, 12542-12546.	4.0	26
12	Synthesis, crystal structure of novel unsymmetrical heterocyclic Schiff base Ni(II)/V(IV) complexes: Investigation of DNA binding, protein binding and in vitro cytotoxic activity. <i>Inorganica Chimica Acta</i> , 2019, 488, 182-194.	2.4	25
13	Modeling Spin Interactions in a Triangular Cobalt(II) Complex with Triaminoguanidine Ligand Framework: Synthesis, Structure, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2018, 57, 106-119.	4.0	24
14	Influence of the Coligand onto the Magnetic Anisotropy and the Magnetic Behavior of One-Dimensional Coordination Polymers. <i>Inorganic Chemistry</i> , 2020, 59, 8971-8982.	4.0	24
15	Spin Transition of an Iron(II) Organoborate Complex in Different Polymorphs and in Vacuum-Deposited Thin Films: Influence of Cooperativity. <i>Inorganic Chemistry</i> , 2020, 59, 7966-7979.	4.0	24
16	A robust anionic pillared-layer framework with triphenylamine-based linkers: ion exchange and counterion-dependent sorption properties. <i>CrystEngComm</i> , 2017, 19, 2723-2732.	2.6	23
17	Solvent-dependent selective cation exchange in anionic frameworks based on cobalt(II) and triphenylamine linkers: reactor-dependent synthesis and sorption properties. <i>Dalton Transactions</i> , 2017, 46, 8037-8050.	3.3	16
18	Spin-Field Coupling in a Cobalt(II)-Based Spin Triangle Revealed by Electric-Field-Modulated Electron Spin Resonance Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8832-8838.	13.8	16

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19	Iron Coordination Properties of Gramibactin as Model for the New Class of Diazeniumdiolate Based Siderophores. <i>Chemistry - A European Journal</i> , 2021, 27, 2724-2733.	3.3	13
20	Lanthanide(III) Sandwich and Half-Sandwich Complexes with Bulky Cyclooctatetraenyl Ligands: Synthesis, Structures, and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4840-4849.	2.0	12
21	Thermodynamic study on 8-hydroxyquinoline-2-carboxylic acid as a chelating agent for iron found in the gut of Noctuid larvae. <i>New Journal of Chemistry</i> , 2018, 42, 8062-8073.	2.8	11
22	Thermodynamically metastable chain and stable layered Co(NCS) ₂ coordination polymers: thermodynamic relations and magnetic properties. <i>Dalton Transactions</i> , 2020, 49, 15310-15322.	3.3	11
23	Magnetic investigations of monocrystalline [Co(NCS) ₂ (L) ₂] _n : new insights into single-chain relaxations. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10281-10289.	2.8	11
24	Hexanuclear iron(III) μ_3 -aminophosphonate: synthesis, structure, and magnetic properties of a molecular wheel. <i>New Journal of Chemistry</i> , 2018, 42, 1931-1938.	2.8	10
25	Redox Instability of Copper(II) Complexes of a Triazine-Based PNP Pincer. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1140-1151.	2.0	10
26	Organic co-crystals of 1,3-bis(4-pyridyl)azulene with a series of hydrogen-bond donors. <i>CrystEngComm</i> , 2018, 20, 4463-4484.	2.6	6
27	New molecular heptanuclear cobalt phosphonates: synthesis, structures and magnetic properties. <i>New Journal of Chemistry</i> , 2018, 42, 9568-9577.	2.8	5
28	8-Hydroxyquinoline-2-Carboxylic Acid as Possible Molybdophore: A Multi-Technique Approach to Define Its Chemical Speciation, Coordination and Sequestering Ability in Aqueous Solution. <i>Biomolecules</i> , 2020, 10, 930.	4.0	4
29	Dinuclear Nickel(II) and Copper(II) Complexes of 8-Quinoline-1-pyrazole-carboxamide: Crystal Structure, Magnetic Properties, and DFT Calculations. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1786-1795.	2.0	4
30	Importance of monodentate mono-ligand designs in developing N-stabilized Pd catalysts for efficient ambient temperature C C coupling: Donor strengths and steric features. <i>Molecular Catalysis</i> , 2019, 473, 110398.	2.0	3
31	rhOver: Determination of magnetic anisotropy and related properties for dysprosium(III) single-ion magnets by semiempirical approaches utilizing Hartree-Fock wave functions. <i>Journal of Computational Chemistry</i> , 2018, 39, 2697-2712.	3.3	2
32	Heterometallic 3d ^{4f} {Co ₂ Gd ₄ } phosphonates: new members of the potential magnetic cooler family. <i>New Journal of Chemistry</i> , 2020, 44, 513-521.	2.8	2
33	Electrocatalytic property, anticancer activity, and density functional theory calculation of [NiCl(P ^N P)]Cl.EtOH. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6092.	3.5	2
34	Hydrazone-Based Ligand with Pyrrolidine Donor and Its Molybdenum(VI) Complex: Synthesis, Structure, and Reactivity. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 937-942.	1.2	2
35	Probing the chirality of oxidovanadium(v) centers in complexes with tridentate sugar Schiff-base ligands: solid-state and solution behavior. <i>New Journal of Chemistry</i> , 2019, 43, 17735-17745.	2.8	1
36	Metal-Bonded Redox-Active Triarylaminos and Their Interactions: Synthesis, Structure, and Redox Properties of Paddlewheel Copper Complexes. <i>ChemistryOpen</i> , 2019, 8, 271-284.	1.9	1

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37	New cobalt(ii) coordination designs and the influence of varying chelate characters, ligand charges and incorporated group I metal ions on enzyme-like oxidative coupling activity. <i>New Journal of Chemistry</i> , 2020, 44, 14849-14858.	2.8	1
38	Exploring Broad Molecular Derivatization as Tool in Selective Fluorescent Detection of Mercury(II) by a Series of Large Stokes Shift 1,4-Bis(5-phenyl-1 <i>H</i> -imidazol-4-yl)benzenes. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 22398-22412.	3.7	1
39	Single-Chain Magnet Based on Cobalt(II) Thiocyanate as XXZ Spin Chain. <i>Chemistry - A European Journal</i> , 2020, 26, 2765-2765.	3.3	1
40	Spin- π -elektrische Kopplung in einem Cobalt(II)-basierten Spindreieck, gezeigt mithilfe elektrisches Feld-modulierter Elektronenspinresonanzspektroskopie. <i>Angewandte Chemie</i> , 2021, 133, 8914-8920.	2.0	1
41	Modulator Induced Formation of a Neutral Framework Based on Trinuclear Cobalt(II) Clusters and Nitrilotribenzoic Acid: Synthesis, Magnetism, and Sorption Properties. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2266-2273.	2.0	1
42	Metal-Bonded Redox-Active Triarylamines and Their Interactions: Synthesis, Structure, and Redox Properties of Paddlewheel Copper Complexes. <i>ChemistryOpen</i> , 2019, 8, 250-250.	1.9	0
43	Octanuclear nickel phosphonate core forming extended and molecular structures. <i>CrystEngComm</i> , 2020, 22, 6900-6910.	2.6	0
44	Precursor Engineering for the Synthesis of Mixed Anionic Metal (Cu, Mn) Chalcogenide Nanomaterials via Solvent-Less Synthesis. <i>Inorganic Chemistry</i> , 2022, , .	4.0	0