

Winfried Plass

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

502
citations

15
h-index

21
g-index

47
ext. papers

663
ext. citations

4.3
avg, IF

4.15
L-index

#	Paper	IF	Citations
42	Gramibactin is a bacterial siderophore with a diazeniumdiolate ligand system. <i>Nature Chemical Biology</i> , 2018 , 14, 841-843	11.7	51
41	Static and dynamic magnetic properties of the ferromagnetic coordination polymer [Co(NCS)(py)]. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 24534-24544	3.6	36
40	Molecular electronic spin qubits from a spin-frustrated trinuclear copper complex. <i>Chemical Communications</i> , 2018 , 54, 12934-12937	5.8	26
39	Anionic Dinuclear Oxidovanadium(IV) Complexes with Azo Functionalized Tridentate Ligands and Ethoxido Bridge Leading to an Unsymmetric Twisted Arrangement: Synthesis, X-ray Structure, Magnetic Properties, and Cytotoxicity. <i>Inorganic Chemistry</i> , 2018 , 57, 5767-5781	5.1	25
38	Single-Chain Magnet Based on Cobalt(II) Thiocyanate as XXZ Spin Chain. <i>Chemistry - A European Journal</i> , 2020 , 26, 2837-2851	4.8	25
37	Variation of the Chain Geometry in Isomeric 1D Co(NCS) Coordination Polymers and Their Influence on the Magnetic Properties. <i>Inorganic Chemistry</i> , 2020 , 59, 5325-5338	5.1	22
36	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	6.4	22
35	Magnetic relaxation in cobalt(ii)-based single-ion magnets influenced by distortion of the pseudotetrahedral [NO] coordination environment. <i>Dalton Transactions</i> , 2018 , 47, 10861-10873	4.3	21
34	A robust anionic pillared-layer framework with triphenylamine-based linkers: ion exchange and counterion-dependent sorption properties. <i>CrystEngComm</i> , 2017 , 19, 2723-2732	3.3	18
33	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	5.1	18
32	Structure and Properties of a Five-Coordinate Nickel(II) Porphyrin. <i>Inorganic Chemistry</i> , 2019 , 58, 12542-12546	5.2	17
31	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	2.7	17
30	ESIPT-capable 2,6-di(1H-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	3.6	16
29	How to link theory and experiment for single-chain magnets beyond the Ising model: magnetic properties modeled from calculations of molecular fragments. <i>Chemical Science</i> , 2019 , 10, 9189-9202	9.4	16
28	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	5.1	15
27	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	4.3	12
26	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	5.1	11

25	Hexanuclear iron(III) Hexaminophosphonate: synthesis, structure, and magnetic properties of a molecular wheel. <i>New Journal of Chemistry</i> , 2018 , 42, 1931-1938	3.6	7
24	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	2.3	6
23	Spin-Electric 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	16.4	6
22	Magnetic investigations of monocrystalline [Co(NCS)(L)]: new insights into single-chain relaxations. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 10281-10289	3.6	6
21	New molecular heptanuclear cobalt phosphonates: synthesis, structures and magnetic properties. <i>New Journal of Chemistry</i> , 2018 , 42, 9568-9577	3.6	4
20	Thermodynamically metastable chain and stable layered Co(NCS) coordination polymers: thermodynamic relations and magnetic properties. <i>Dalton Transactions</i> , 2020 , 49, 15310-15322	4.3	4
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	4.8	4
18	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	3.6	3
17	Organic co-crystals of 1,3-bis(4-pyridyl)azulene with a series of hydrogen-bond donors. <i>CrystEngComm</i> , 2018 , 20, 4463-4484	3.3	3
16	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	3.3	2
15	Heterometallic 3d ⁸ f ⁷ {Co ₂ Gd ₄ } phosphonates: new members of the potential magnetic cooler family. <i>New Journal of Chemistry</i> , 2020 , 44, 513-521	3.6	2
14	Electrocatalytic property, anticancer activity, and density functional theory calculation of [NiCl(P [^] N [^] P)]Cl.EtOH. <i>Applied Organometallic Chemistry</i> , 2021 , 35, e6092	3.1	2
13	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	3.5	2
12	Metal-Bonded Redox-Active Triarylaminos and Their Interactions: Synthesis, Structure, and Redox Properties of Paddle-Wheel Copper Complexes. <i>ChemistryOpen</i> , 2019 , 8, 271-284	2.3	1
11	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	3.6	1
10	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-1H-imidazol-4-yl)benzenes. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 22398-22412	3.9	1
9	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	2.3	1
8	Single-Chain Magnet Based on Cobalt(II) Thiocyanate as XXZ Spin Chain. <i>Chemistry - A European Journal</i> , 2020 , 26, 2765	4.8	0

7	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	1.3	0
6	Spin-elektrische Kopplung in einem Cobalt(II)-basierten Spindreieck, gezeigt mithilfe elektrisches-Feld-modulierter Elektronenspinresonanzspektroskopie. <i>Angewandte Chemie</i> , 2021 , 133, 8914-8920	3.6	0
5	Redox Instability of Copper(II) Complexes of a Triazine-Based PNP Pincer. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 1140-1151	2.3	0
4	Dinuclear Nickel(II) and Copper(II) Complexes of 8-Quinoline-1H-pyrazole-3-carboxamide: Crystal Structure, Magnetic Properties, and DFT Calculations. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 1786-1795	2.3	0
3	Metal-Bonded Redox-Active Triarylamines and Their Interactions: Synthesis, Structure, and Redox Properties of Paddle-Wheel Copper Complexes. <i>ChemistryOpen</i> , 2019 , 8, 250	2.3	
2	Octanuclear nickel phosphonate core forming extended and molecular structures. <i>CrystEngComm</i> , 2020 , 22, 6900-6910	3.3	
1	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	3.6	