

# Winfried Plass

## List of Publications by Year in Descending Order

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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 | Hydrazone-Based Ligand with Pyrrolidine Donor and Its Molybdenum(VI) Complex: Synthesis, Structure, and Reactivity. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2021</b> , 647, 937-942   | 1.3  | 0         |
| 41 | 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> , <b>2021</b> , 60, 8832-8838                                 | 16.4 | 6         |
| 40 | Spin-elektrische Kopplung in einem Cobalt(II)-basierten Spindreieck, gezeigt mithilfe elektrisches-Feld-modulierter Elektronenspinresonanzspektroskopie. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 8914-8920                                     | 3.6  | 0         |
| 39 | Redox Instability of Copper(II) Complexes of a Triazine-Based PNP Pincer. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 1140-1151   | 2.3  | 0         |
| 38 | 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> , <b>2021</b> , 2021, 2266-2273 | 2.3  | 1         |
| 37 | 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> , <b>2021</b> , 2021, 1786-1795                 | 2.3  | 0         |
| 36 | Iron Coordination Properties of Gramibactin as Model for the New Class of Diazeniumdiolate Based Siderophores. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 2724-2733   | 4.8  | 4         |
| 35 | Electrocatalytic property, anticancer activity, and density functional theory calculation of [NiCl(P <sup>^</sup> N <sup>^</sup> P)]Cl.EtOH. <i>Applied Organometallic Chemistry</i> , <b>2021</b> , 35, e6092                                       | 3.1  | 2         |
| 34 | Magnetic investigations of monocrystalline [Co(NCS)(L)]: new insights into single-chain relaxations. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 10281-10289  | 3.6  | 6         |
| 33 | Influence of the Coligand onto the Magnetic Anisotropy and the Magnetic Behavior of One-Dimensional Coordination Polymers. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 8971-8982  | 5.1  | 11        |
| 32 | Spin Transition of an Iron(II) Organoborate Complex in Different Polymorphs and in Vacuum-Deposited Thin Films: Influence of Cooperativity. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 7966-7979   | 5.1  | 15        |
| 31 | Single-Chain Magnet Based on Cobalt(II) Thiocyanate as XXZ Spin Chain. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 2765  | 4.8  | 0         |
| 30 | Variation of the Chain Geometry in Isomeric 1D Co(NCS) Coordination Polymers and Their Influence on the Magnetic Properties. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 5325-5338  | 5.1  | 22        |
| 29 | Single-Chain Magnet Based on Cobalt(II) Thiocyanate as XXZ Spin Chain. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 2837-2851   | 4.8  | 25        |
| 28 | Heterometallic 3d <sup>df</sup> {Co2Gd4} phosphonates: new members of the potential magnetic cooler family. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 513-521  | 3.6  | 2         |
| 27 | Octanuclear nickel phosphonate core forming extended and molecular structures. <i>CrystEngComm</i> , <b>2020</b> , 22, 6900-6910   | 3.3  |           |
| 26 | 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> , <b>2020</b> , 44, 14849-14858  | 3.6  |           |

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| 25 | Thermodynamically metastable chain and stable layered Co(NCS) coordination polymers: thermodynamic relations and magnetic properties. <i>Dalton Transactions</i> , <b>2020</b> , 49, 15310-15322   | 4.3  | 4  |
| 24 | 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 &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 22398-22412                  | 3.9  | 1  |
| 23 | 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> , <b>2019</b> , 473, 110398  | 3.3  | 2  |
| 22 | Metal-Bonded Redox-Active Triarylaminines and Their Interactions: Synthesis, Structure, and Redox Properties of Paddle-Wheel Copper Complexes. <i>ChemistryOpen</i> , <b>2019</b> , 8, 250   | 2.3  |    |
| 21 | Structure and Properties of a Five-Coordinate Nickel(II) Porphyrin. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 12542-12546   | 5.2  | 17 |
| 20 | Metal-Bonded Redox-Active Triarylaminines and Their Interactions: Synthesis, Structure, and Redox Properties of Paddle-Wheel Copper Complexes. <i>ChemistryOpen</i> , <b>2019</b> , 8, 271-284   | 2.3  | 1  |
| 19 | 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> , <b>2019</b> , 10, 9189-9202   | 9.4  | 16 |
| 18 | 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> , <b>2019</b> , 43, 17735-17745   | 3.6  | 1  |
| 17 | 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> , <b>2019</b> , 488, 182-194  | 2.7  | 17 |
| 16 | Light-Induced Spin Crossover in an Fe(II) Low-Spin Complex Enabled by Surface Adsorption. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 1491-1496  | 6.4  | 22 |
| 15 | New molecular heptanuclear cobalt phosphonates: synthesis, structures and magnetic properties. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 9568-9577   | 3.6  | 4  |
| 14 | 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> , <b>2018</b> , 42, 8062-8073  | 3.6  | 3  |
| 13 | 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> , <b>2018</b> , 42, 7884-7900   | 3.6  | 16 |
| 12 | Hexanuclear iron(III) Eaminophosphonate: synthesis, structure, and magnetic properties of a molecular wheel. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 1931-1938   | 3.6  | 7  |
| 11 | Gramibactin is a bacterial siderophore with a diazeniumdiolate ligand system. <i>Nature Chemical Biology</i> , <b>2018</b> , 14, 841-843   | 11.7 | 51 |
| 10 | Anionic Dinuclear Oxidovanadium(IV) Complexes with Azo Functionalized Tridentate Ligands and Eethoxido Bridge Leading to an Unsymmetric Twisted Arrangement: Synthesis, X-ray Structure, Magnetic Properties, and Cytotoxicity. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 5767-5781 | 5.1  | 25 |
| 9  | Magnetic relaxation in cobalt(ii)-based single-ion magnets influenced by distortion of the pseudotetrahedral [NO] coordination environment. <i>Dalton Transactions</i> , <b>2018</b> , 47, 10861-10873   | 4.3  | 21 |
| 8  | Modeling Spin Interactions in a Triangular Cobalt(II) Complex with Triaminoguanidine Ligand Framework: Synthesis, Structure, and Magnetic Properties. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 106-119   | 5.1  | 18 |

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| 7 | Molecular electronic spin qubits from a spin-frustrated trinuclear copper complex. <i>Chemical Communications</i> , <b>2018</b> , 54, 12934-12937   | 5.8 | 26 |
| 6 | 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> , <b>2018</b> , 39, 2697-2712 | 3.5 | 2  |
| 5 | Organic co-crystals of 1,3-bis(4-pyridyl)azulene with a series of hydrogen-bond donors. <i>CrystEngComm</i> , <b>2018</b> , 20, 4463-4484   | 3.3 | 3  |
| 4 | 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> , <b>2017</b> , 46, 8037-8050                       | 4.3 | 12 |
| 3 | A robust anionic pillared-layer framework with triphenylamine-based linkers: ion exchange and counterion-dependent sorption properties. <i>CrystEngComm</i> , <b>2017</b> , 19, 2723-2732   | 3.3 | 18 |
| 2 | Lanthanide(III) Sandwich and Half-Sandwich Complexes with Bulky Cyclooctatetraenyl Ligands: Synthesis, Structures, and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 4840-4849                            | 2.3 | 6  |
| 1 | Static and dynamic magnetic properties of the ferromagnetic coordination polymer [Co(NCS)(py)]. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 24534-24544  | 3.6 | 36 |