

Bohuslav Drahos

List of Publications by Year in descending order

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papers

1,236
citations

516561

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docs citations

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times ranked

1727
citing authors

#	ARTICLE	IF	CITATIONS
1	Manganese(II) Complexes as Potential Contrast Agents for MRI. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1975-1986.	1.0	159
2	Pyridine-based lanthanide complexes: towards bimodal agents operating as near infrared luminescent and MRI reporters. <i>Chemical Communications</i> , 2008, , 6591.	2.2	132
3	Mixed-Valence Single-Atom Catalyst Derived from Functionalized Graphene. <i>Advanced Materials</i> , 2019, 31, e1900323.	11.1	129
4	Mn ²⁺ Complexes with Pyridine-Containing 15-Membered Macrocycles: Thermodynamic, Kinetic, Crystallographic, and ¹ H/ ¹⁷ O Relaxation Studies. <i>Inorganic Chemistry</i> , 2010, 49, 3224-3238.	1.9	112
5	Pyridine-Based Lanthanide Complexes Combining MRI and NIR Luminescence Activities. <i>Chemistry - A European Journal</i> , 2012, 18, 1419-1431.	1.7	89
6	Dissociation kinetics of Mn ²⁺ complexes of NOTA and DOTA. <i>Dalton Transactions</i> , 2011, 40, 1945.	1.6	75
7	Mn ²⁺ Complexes with 12-Membered Pyridine Based Macrocycles Bearing Carboxylate or Phosphonate Pendant Arm: Crystallographic, Thermodynamic, Kinetic, Redox, and ¹ H/ ¹⁷ O Relaxation Studies. <i>Inorganic Chemistry</i> , 2011, 50, 12785-12801.	1.9	75
8	Late First-Row Transition-Metal Complexes Containing a 2-Pyridylmethyl Pendant-Armed 15-Membered Macrocyclic Ligand. Field-Induced Slow Magnetic Relaxation in a Seven-Coordinate Cobalt(II) Compound. <i>Inorganic Chemistry</i> , 2016, 55, 5957-5972.	1.9	58
9	Impact of Halogenido Coligands on Magnetic Anisotropy in Seven-Coordinate Co(II) Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 5076-5088.	1.9	57
10	Mn ²⁺ complexes of 1-oxa-4,7-diazacyclononane based ligands with acetic, phosphonic and phosphinic acid pendant arms: Stability and relaxation studies. <i>Dalton Transactions</i> , 2011, 40, 10131.	1.6	44
11	Structural, Magnetic, and Redox Diversity of First-Row Transition Metal Complexes of a Pyridine-Based Macrocycle: Well-Marked Trends Supported by Theoretical DFT Calculations. <i>Inorganic Chemistry</i> , 2015, 54, 3352-3369.	1.9	39
12	Single-Chain Magnet Based on 1D Polymeric Azido-Bridged Seven-Coordinate Fe(II) Complex with a Pyridine-Based Macrocyclic Ligand. <i>Inorganic Chemistry</i> , 2018, 57, 12718-12726.	1.9	27
13	Structure and Magnetism of Seven-Coordinate Fe ^{III} , Fe ^{II} , Co ^{II} and Ni ^{II} Complexes Containing a Heptadentate 15-Membered Pyridine-Based Macrocyclic Ligand. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4286-4297.	1.0	26
14	High-valent iron (FeVI, FeV, and FeIV) species in water: characterization and oxidative transformation of estrogenic hormones. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18802-18810.	1.3	25
15	Muffin-like lanthanide complexes with an N ₅ O ₂ -donor macrocyclic ligand showing field-induced single-molecule magnet behaviour. <i>Dalton Transactions</i> , 2016, 45, 15114-15121.	1.6	22
16	Structural and magnetic properties of heptacoordinated Mn ^{II} complexes containing a 15-membered pyridine-based macrocycle and halido/pseudohalido axial coligands. <i>RSC Advances</i> , 2016, 6, 34674-34684.	1.7	17
17	Structural, magnetic, redox and theoretical characterization of seven-coordinate first-row transition metal complexes with a macrocyclic ligand containing two benzimidazolyl <i>i</i> -pendant arms. <i>Dalton Transactions</i> , 2020, 49, 4425-4440.	1.6	17
18	Thermal decomposition of [Co(en) ₃][Fe(CN) ₆] TM 2H ₂ O: Topotactic dehydration process, valence and spin exchange mechanism elucidation. <i>Chemistry Central Journal</i> , 2013, 7, 28.	2.6	16

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19	Novel cationic coating agent for protein separation by capillary electrophoresis. <i>Journal of Separation Science</i> , 2016, 39, 2406-2412.	1.3	16
20	Synthesis, characterization and biological evaluation of Ln(III) complexes anchored by DOTA-like chelators bearing a quinazoline moiety. <i>Metallomics</i> , 2010, 2, 571.	1.0	15
21	Triple M as Manganese: Medicine, magnetism and macrocycles. Seven-coordinate Mn(II) complexes with pyridine-based macrocyclic ligands. <i>Polyhedron</i> , 2021, 203, 115231.	1.0	11
22	Late first-row transition metal complexes of a 17-membered piperazine-based macrocyclic ligand: structures and magnetism. <i>Dalton Transactions</i> , 2020, 49, 9057-9069.	1.6	10
23	Cell-based studies of the first-class half-sandwich Ir(III) complex containing histone deacetylase inhibitor 4-phenylbutyrate. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4246.	1.7	9
24	Spin crossover Fe(II) complexes of a cross-bridged cyclam derivative. <i>Dalton Transactions</i> , 2018, 47, 6134-6145.	1.6	9
25	Effect of diverse solvents on the composition and structure of mixed-ligand nickel(II) dithiocarbamates: [NiX(ndtc)(PPh ₃)]. <i>Polyhedron</i> , 2014, 69, 174-180.	1.0	8
26	In Vitro Antitumor Active Gold(I) Triphenylphosphane Complexes Containing 7-Azaindoles. <i>International Journal of Molecular Sciences</i> , 2016, 17, 2084.	1.8	8
27	Effect of π -aromatic spacers on the magnetic properties and slow relaxation of double stranded metallacyclophanes with a Ln(III)–M(II)–Ln(III) (Ln(III) = Gd(III), Dy(III), Y(III); M(II) = Ni(II), Co(II)) linear topology. <i>Polyhedron</i> , 2019, 170, 373-387.	1.0	6
28	A multifunctional magnetic material based on a solid solution of Fe(II)/Co(II) complexes with a macrocyclic cyclam-based ligand. <i>Dalton Transactions</i> , 2021, 50, 11147-11157.	1.6	6
29	Complexes of hydrophilic triphenylphosphines modified with gem-bis(phosphonate) moiety. An unusual simultaneous cis and trans arrangements in the Pt(II) dinuclear complex. <i>Dalton Transactions</i> , 2009, , 4942.	1.6	4
30	First step in preparation of multifunctional spin crossover material based on Fe(II) complex of cyclam-based ligand. Magnetism and DFT studies. <i>Inorganica Chimica Acta</i> , 2019, 495, 118921.	1.2	4
31	An unexpected in-solution instability of diiodido analogue of picoplatin complicates its biological characterization. <i>Dalton Transactions</i> , 2021, 50, 6071-6075.	1.6	4
32	Synthesis of a Versatile Building Block Combining Cyclen-derivative DO3A with a Polyamine via a Rigid Spacer. <i>Molecules</i> , 2013, 18, 13940-13956.	1.7	3
33	Magnetic Properties of Fe(II) Complexes of Cyclam Derivative with One p-Aminobenzyl Pendant Arm. <i>Metals</i> , 2020, 10, 366.	1.0	3
34	Stability of half-sandwich Os(II) complex with indomethacin-functionalized ligand in the presence of carboxypeptidase A. <i>Dalton Transactions</i> , 0, , .	1.6	1