

Petra J Van Koningsbruggen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fe ^{III} in a high-spin state in bis(5-bromosalicylaldehyde) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 752 Td (4-ethylthio) monohydrate, the first example of such a cationic Fe ^{III} complex unit. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 63-69.	0.5	2
2	Ammonium bis(salicylaldehyde thiosemicarbazonato)ferrate(III), a supramolecular material containing low-spin Fe ^{III} . Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 625-631.	0.5	2
3	Caesium bis(5-bromosalicylaldehyde) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 672 Td (thiosemicarbazonato) ³⁻ of low-spin Fe ^{III} complex anions mediated by Cs ⁺ cations. Acta Crystallographica Section C, Structural Chemistry, 2015, 71, 169-174.	0.5	4
4	Fell in a low-spin state in caesium bis[3-ethoxysalicylaldehyde 4-methylthiosemicarbazonato(2- ⁻)- ³ O ₂ ,N ₁ ,S]ferrate(III) methanol monosolvate. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 595-598.	0.5	7
5	Synthetic, Crystallographic, and Computational Study of Copper(II) Complexes of Ethylenediaminetetracarboxylate Ligands. Inorganic Chemistry, 2013, 52, 1238-1247.	4.0	13
6	Tuning of the charge in octahedral ferric complexes based on pyridoxal-N-substituted thiosemicarbazone ligands. Dalton Transactions, 2010, 39, 1643-1651.	3.3	27
7	Valence-Tautomeric RbMnFe Prussian Blue Analogues: Composition and Time Stability Investigation. European Journal of Inorganic Chemistry, 2009, 2009, 760-768.	2.0	7
8	Nickel(II) complexes of whole set of the simple ethylenediaminetetracarboxylate ligands: DFT study of complexes invoking molecular orbital and configurational analysis. Inorganic Chemistry Communication, 2009, 12, 720-723.	3.9	7
9	Interplay between the Charge Transport Phenomena and the Charge-Transfer Phase Transition in Rb _x Mn[Fe(CN) ₆] _y ·H ₂ O. Journal of Physical Chemistry C, 2009, 113, 2586-2593.	3.1	53
10	Observation of a 331K (58°C) spin transition for bis[hydrotris(1,2,4-triazol-1-yl)borate]iron(II) by variable temperature infrared spectroscopy and magnetic susceptibility measurements. Solid State Sciences, 2008, 10, 1804-1806.	3.2	8
11	Light- and Temperature-Induced Electron Transfer in Single Crystals of RbMn[Fe(CN) ₆] ₂ ·H ₂ O. Chemistry of Materials, 2008, 20, 1236-1238.	6.7	59
12	Prediction of the Equilibrium Structures and Photomagnetic Properties of the Prussian Blue Analogue RbMn[Fe(CN) ₆] by Density Functional Theory. Journal of Physical Chemistry A, 2008, 112, 5742-5748.	2.5	17
13	Study of Neutral Fe(III) Complexes of Pyridoxal-N-Substituted Thiosemicarbazone with Desolvation-Induced Spin-State Transformation above Room Temperature. Inorganic Chemistry, 2008, 47, 143-153.	4.0	31
14	[Fe(μ-btzmp) ₂ (btzmp) ₂](ClO ₄) ₂ : a doubly-bridged 1D spin-transition bistetrazole-based polymer showing thermal hysteresis behaviour. Dalton Transactions, 2007, , 5434.	3.3	55
15	A 2D [FeII-bistetrazole] coordination polymer exhibiting spin-crossover properties. Inorganica Chimica Acta, 2007, 360, 3787-3796.	2.4	26
16	Copper(II) complexes with unsymmetrical pentadentate ed3a-type diamino-tricarboxylate ligands. Crystal structures, configurational analysis and DFT study of complexes. Inorganica Chimica Acta, 2007, 360, 2420-2431.	2.4	27
17	Crystal structure and magnetic behaviour of a five-coordinate iron(III) complex of pyridoxal-4-methylthiosemicarbazone. Inorganica Chimica Acta, 2007, 360, 3896-3902.	2.4	28
18	The Influence of Defects on the Electron-Transfer and Magnetic Properties of Rb _x Mn[Fe(CN) ₆] _y ·zH ₂ O. Chemistry of Materials, 2006, 18, 1951-1963.	6.7	47

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19	Structure and Physical Properties of $[\frac{1}{4}\text{-Tris}(1,4\text{-bis}(\text{tetrazol-1-yl})\text{butane-}N_4,N_4\text{-})\text{iron(II)}]\text{Bis}(\text{hexafluorophosphate})$, a New Fe(II) Spin-Crossover Compound with a Three-Dimensional Threefold Interlocked Crystal Lattice. <i>Inorganic Chemistry</i> , 2004, 43, 155-165.	4.0	117
20	Spin Transition of 1D, 2D and 3D Iron(II) Complex Polymers The Tug-of-War between Elastic Interaction and a Shock-Absorber Effect. <i>Monatshefte für Chemie</i> , 2003, 134, 183-198.	1.8	17
21	catena- $[\frac{1}{4}\text{-Tris}(1,2\text{-bis}(\text{tetrazol-1-yl})\text{ethane-}N_4,N_4\text{-})\text{iron(II)}]\text{bis}(\text{tetrafluoroborate})$: synthesis, structure, spectroscopic and magnetic characterization of a chain-type coordination polymer spin-crossover compound. <i>Inorganica Chimica Acta</i> , 2002, 339, 297-306.	2.4	79
22	Spin Transition of 1D, 2D and 3D Iron(II) Complex Polymers The Tug-of-War between Elastic Interaction and a Shock-Absorber Effect. , 2002, , 67-82.		0
23	A new 3-D polymeric spin transition compound: $[\text{tris}(1,4\text{-bis}(\text{tetrazol-1-yl})\text{butane-}N_1,N_1\text{-})\text{iron(II)}]\text{bis}(\text{perchlorate})$. <i>Dalton Transactions RSC</i> , 2001, , 466-471.	2.3	73
24	Crystal structure and physical properties of the new linear chain compound $[\text{Cu}(1,2\text{-bis}(\text{tetrazol-1-yl})\text{ethane})_3](\text{ClO}_4)_2$. <i>Inorganica Chimica Acta</i> , 2001, 326, 101-105.	2.4	29
25	Synthesis, Crystal Structure, Spectroscopic and Magnetic Properties of an Unprecedented Three-Dimensional CuII Coordination Compound of 1,2-Bis(1,2,4-triazol-4-yl)ethane. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 307-314.	2.0	47
26	Synthesis, Crystal Structure, EXAFS, and Magnetic Properties of Catena $[\frac{1}{4}\text{-Tris}(1,2\text{-bis}(\text{tetrazol-1-yl})\text{propane-}N_1,N_1\text{-})\text{iron(II)}]\text{Bis}(\text{perchlorate})$. First Crystal Structure of an Iron(II) Spin-Crossover Chain Compound. <i>Inorganic Chemistry</i> , 2000, 39, 1891-1900.	4.0	157
27	Synthesis, X-ray structure, spectroscopic and magnetic properties of $[\text{bis}(4\text{-amino-3,5-bis}(\text{pyridin-2-yl})\text{-1,2,4-triazole-}N_4,N_1\text{-})\text{(aqua)copper(II)}]\text{bis}(\text{hydrogensulfate})$. <i>Inorganica Chimica Acta</i> , 1998, 268, 37-42.	2.4	31
28	Synthesis, crystal structure and magnetic properties of $[\frac{1}{4}\text{-bis}(3\text{-(pyridin-2-yl)-1,2,4-triazole-}N_4,N_1,N_2\text{-})\text{bis}[\text{triaqua nickel(II)}]\text{tetranitrate}$. <i>Inorganica Chimica Acta</i> , 1998, 273, 54-61.	2.4	19
29	Spin crossover in six-coordinate $[\text{Fe(L)}_2(\text{NCX})_2]$ compounds with L = DPQ = 2,3-bis-(2-pyridyl)-quinoxaline, ABPT = 4-amino-3,5-bis(pyridin-2-yl)-1,2,4-triazole and X = S, Se: synthesis, magnetic properties and single crystal studies. <i>Inorganica Chimica Acta</i> , 1998, 274, 1-6.	2.4	66
30	Synthesis and spin-crossover characteristics of polynuclear 4-(2-hydroxy-ethyl)-1,2,4-triazole Fe(II) molecular materials. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 1998, 1, 523-532.	0.1	21
31	Influences of Temperature, Pressure, and Lattice Solvents on the Spin Transition Regime of the Polymeric Compound $[\text{Fe}(\text{hyetrz})_3]A_2 \cdot 3\text{H}_2\text{O}$ (hyetrz = 4-(2-hydroxyethyl)-1,2,4-triazole and A =) Tj ETQq1 1 0.784314 rgDB/Over		
32	Non-classical FeII spin-crossover behaviour leading to an unprecedented extremely large apparent thermal hysteresis of 270 K: application for displays. <i>Journal of Materials Chemistry</i> , 1997, 7, 857-858.	6.7	145
33	Spin Transition in $[\text{Fe}(\text{DPEA})(\text{NCS})_2]$, a Compound with the New Tetradentate Ligand (2-Aminoethyl)bis(2-pyridylmethyl)amine (DPEA): A Crystal Structure, Magnetic Properties, and Mössbauer Spectroscopy. <i>Inorganic Chemistry</i> , 1997, 36, 2975-2981.	4.0	73
34	Polymorphism in Spin Transition Systems. Crystal Structure, Magnetic Properties, and Mössbauer Spectroscopy of Three Polymorphic Modifications of $[\text{Fe}(\text{DPPA})(\text{NCS})_2]$ [DPPA = (3-Aminopropyl)bis(2-pyridylmethyl)amine]. <i>Inorganic Chemistry</i> , 1997, 36, 5869-5879.	4.0	105
35	Synthesis, Crystal Structure, EXAFS, and Magnetic Properties of catena-Poly $[\frac{1}{4}\text{-tris}(4\text{-(2-hydroxyethyl)-1,2,4-triazole-}N_1,N_2\text{-})\text{copper(II)}]\text{Diperchlorate Trihydrate}$: Relevance with the Structure of the Iron(II) 1,2,4-Triazole Spin Transition Molecular Materials. <i>Inorganic Chemistry</i> , 1997, 36, 6357-6365.	4.0	129
36	Non-classical FeII spin-crossover behaviour in polymeric iron(II) compounds of formula $[\text{Fe}(\text{NH}_2\text{trz})_3]X_2 \cdot x\text{H}_2\text{O}$ (NH ₂ trz=4-amino-1,2,4-triazole; X=derivatives of naphthalene sulfonate). <i>Journal of Materials Chemistry</i> , 1997, 7, 2069-2075.	6.7	98

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37	A Mixed-Valence Tetranuclear Copper Cluster with Localized Valencies. <i>Inorganic Chemistry</i> , 1997, 36, 2487-2489.	4.0	58
38	Novel Hybrid Spin Systems of 7,7a€¸8,8a€¸-Tetracyanoquinodimethane (TCNQ) Radical Anions and 4-Amino-3,5-bis(pyridin-2-yl)-1,2,4-triazole (abpt). Crystal Structure of [Fe(abpt)2(TCNQ)2] at 298 and 100 K, MÃ¸ssbauer Spectroscopy, Magnetic Properties, and Infrared Spectroscopy of the Series [MII(abpt)2(TCNQ)2] (M = Mn, Fe, Co, Ni, Cu, Zn). <i>Journal of the American Chemical Society</i> , 1996, 118, 2190-2197.	13.7	163
39	Spin-Transition Molecular Materials for Display and Data Processing. <i>ACS Symposium Series</i> , 1996, , 298-310.	0.5	44
40	Syntheses, spectroscopic and magnetic properties and X-ray crystal structure of two dinuclear copper(II) compounds with the ligand N3-salicyloylpyridine-2-carboxamidrazonato. <i>Inorganica Chimica Acta</i> , 1995, 234, 87-94.	2.4	28
41	Magnetic and spectroscopic properties of a series of linear homo- and heterotrinnuclear metal compounds with asymmetric 3,4-disubstituted 1,2,4-triazoles as ligands. <i>Inorganica Chimica Acta</i> , 1995, 239, 5-12.	2.4	41
42	Isotropic and Anisotropic Magnetic Exchange Interactions through .mu.-N1,N2 1,2,4-Triazole and .mu.-Sulfato Bridges: X-ray Crystal Structure, Magnetic Properties, and Single-Crystal EPR Study of (.mu.-4-Amino-3,5-bis(pyridin-2-yl)-1,2,4-triazole-N',N1,N2,N'')(.mu.-sulfato-O,O')[(sulfato-O)aquacopper(II)]triaquacopper(II) 91 Hydrate. <i>Inorganic Chemistry</i> , 1995, 34, 5175-5182.	4.0	91
43	Isotropic Magnetic Exchange Interaction through Double .mu.-1,2,4-Triazolato-N1,N2 Bridges: X-ray Crystal Structure, Magnetic Properties, and EPR Study of Bis(.mu.-3-pyridin-2-yl-1,2,4-triazolato-N',N1,N2)(sulfato-O)aquacopper(II)diaquacopper(II) Trihydrate. <i>Inorganic Chemistry</i> , 1994, 33, 1121-1126.	4.0	80
44	A novel tetranuclear copper(II) cluster containing twisted hydrazide bridges. X-ray crystal structure octahydrate. <i>Inorganica Chimica Acta</i> , 1993, 208, 37-42.	2.4	37
45	Synthesis, characterization, crystal structures and magnetic properties of di- and polynuclear bis(1/4-3-pyridin-2-yl-1,2,4-triazolato)copper(II) compounds containing N-methylimidazole, pyrazole or 4,4a€¸-bipyridine as co-ligands. <i>Inorganica Chimica Acta</i> , 1993, 212, 289-301.	2.4	60
46	Synthesis, crystal structure and magnetic properties of a linear trinuclear copper(II) compound with chloride and 4-amino-3,5-bis(hydroxymethyl)-1,2,4-triazole as bridging ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 2163.	1.1	41
47	Dalton communications. The first dinuclear Âµ-hexafluorosilicato copper(II) compound. Synthesis and crystal structure of (Âµ-hexafluorosilicato-Î²Fâ€¸)2-bis[aqua(N3-salicyloylpyridine-2-carboxamidrazonato-Î²3Nâ€¸,N2,O)copper(II)] dihydrate. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 483-484.	1.1	26