

Musa S Shongwe

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Thermally Induced Two-Step, Two-Site Incomplete $S \rightarrow T$ Crossover in a Mononuclear Iron(III) Phenolate-Pyridyl Schiff-Base Complex: A Rare Crystallographic Observation of the Coexistence of Pure $S = S$ and $S \rightarrow T$ Metal Centers in the Asymmetric Unit. <i>Inorganic Chemistry</i> , 2007, 46, 9558-9568.	4.0	69
2	Anion binding by human lactoferrin: results from crystallographic and physicochemical studies. <i>Biochemistry</i> , 1992, 31, 4451-4458.	2.5	67
3	A Phenolate-Induced Trans Influence: A Crystallographic Evidence for Unusual Asymmetric Coordination of an \pm -Diimine in Ternary Complexes of Iron(III) Possessing Biologically Relevant Hetero-Donor N-Centered Tripodal Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 3070-3079.	4.0	53
4	Coordination versatility of tridentate pyridyl aroylhydrazones towards iron: tracking down the elusive aroylhydrazono-based ferric spin-crossover molecular materials. <i>Dalton Transactions</i> , 2012, 41, 2500.	3.3	52
5	Anion Binding by Transferrins: Importance of Second-Shell Effects Revealed by the Crystal Structure of Oxalate-Substituted Diferric Lactoferrin. <i>Biochemistry</i> , 1996, 35, 9007-9013.	2.5	49
6	Iron(III) Complexes with a Biologically Relevant Aroylhydrazone: Crystallographic Evidence for Coordination Versatility. <i>Inorganic Chemistry</i> , 2007, 46, 9042-9044.	4.0	42
7	Molecular Mechanics Modeling of the Cobaloximes and Reevaluation of the Parameters for Modeling of the Cobalt Corrins. <i>Inorganic Chemistry</i> , 1998, 37, 2578-2581.	4.0	41
8	Structural aspects and solution dynamics of the auraferraboranes $[\text{Fe}_4(\text{CO})_{12}\text{Au}_2\text{L}_2\text{BH}]$: the crystal structures of $[\text{Fe}_4(\text{CO})_{12}\text{Au}_2\{\text{P}(\text{p-MeC}_6\text{H}_4)_3\}_2\text{BH}]\cdot\text{CH}_2\text{Cl}_2$ and $[\text{HFe}_4(\text{CO})_{12}\text{Au}_2(\text{PEt}_3)_2\text{B}]$. <i>Organometallics</i> , 1989, 8, 2651-2658.	2.3	34
9	To fuse or not to fuse? Reactions of $[\text{HM}_4(\text{CO})_{12}\text{BH}]$ - (M = iron, ruthenium) with (phosphine)gold(I) chlorides. Molecular structures of $\text{HFe}_4(\text{CO})_{12}\text{BHAuP}(\text{2-MeC}_6\text{H}_4)_3$, $[\text{Au}(\text{PMePh}_2)_2][[\text{HFe}_4(\text{CO})_{12}\text{BH}]_2\text{Au}]$, and $[\text{PPN}][[\text{HRu}_4(\text{CO})_{12}\text{BH}]_2\text{Au}]$. <i>Organometallics</i> , 1992, 11, 2356-2367.	2.3	31
10	Tuning a Single Ligand System to Stabilize Multiple Spin States of Manganese: A First Example of a Hydrazone-Based Manganese(III) Spin-Crossover Complex. <i>Chemistry - A European Journal</i> , 2014, 20, 9693-9701.	3.3	31
11	Unprecedented $[\text{V}_2\text{O}]_6$ +Core of a Centrosymmetric Thiosemicarbazonato Dimer: Spontaneous Deoxygenation of Oxovanadium(IV). <i>Inorganic Chemistry</i> , 2006, 45, 1103-1107.	4.0	20
12	Synthesis and molecular structure of the borido cluster $\text{Fe}_4(\text{CO})_{12}\text{BHAu}_2\{\text{AsPh}_3\}_2$ and an investigation of the electrochemistry of $\text{Fe}_4(\text{CO})_{12}\text{BHAu}_2\text{L}_2$, $\text{L} = \text{AsPh}_3$ or PPh_3 . <i>Journal of Organometallic Chemistry</i> , 1991, 408, 7-18.	1.8	19
13	A series of heteroleptic complexes of the type $\text{fac-}[\text{MnIII}(\text{L}_2)]$ [H_2L =derivatives of N-(2-hydroxybenzyl)glycine or N-(5-nitro-2-hydroxybenzyl)sarcosine] possessing unusual Mn(III) co-ordination spheres. <i>Inorganica Chimica Acta</i> , 1999, 290, 228-236.	2.4	18
14	An appraisal of the steric versus electronic requirements of gold(I) phosphine substituents in clusters: the crystal structure of $[\text{HFe}_4(\text{CO})_{12}\{\text{AuPEt}_3\}_2\text{B}]$. <i>Organometallics</i> , 1988, 7, 1885-1887.	2.3	17
15	Accessibility and Selective Stabilization of the Principal Spin States of Iron by Pyridyl versus Phenolic Ketimines: Modulation of the $S \rightarrow T$ Ground-State Transformation of the $[\text{FeN}_4\text{O}_2]^{+}$ Chromophore. <i>Inorganic Chemistry</i> , 2012, 51, 8241-8253.	4.0	16
16	Unusual Magneto-Structural Features of the Halo-Substituted Materials $[\text{Fe}(\text{III})_5(\text{S}(\text{Meen})_2)_2]_Y$: a Cooperative $[\text{HS} \rightarrow \text{HS}] \rightarrow [\text{HS} \rightarrow \text{LS}]$ Spin Transition. <i>Chemistry - A European Journal</i> , 2020, 26, 4766-4779.	3.3	15
17	Molecular structure of $[\text{MnIII}(\text{L}_2)]$ [$\text{H}_2\text{L} = \text{N}-(3,5\text{-dichloro-2-hydroxybenzyl})\text{glycine}$]: evidence for a pseudo-Jahn-Teller compression. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 887-888.	2.0	13
18	Complexes of cobalt(III) with phenolate-containing polydentate ligands and bovine serum apo-transferrin: towards creating spectroscopic models for cobalt(III)-tyrosinate interactions. <i>Dalton Transactions RSC</i> , 2002, , 4064-4069.	2.3	13

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19	Synergistic anion-directed coordination of ferric and cupric ions to bovine serum transferrin – an inorganic perspective. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 199-208.	3.5	13
20	Synergism and Substitution in the Lactoferrins. <i>Advances in Experimental Medicine and Biology</i> , 1994, 357, 33-44.	1.6	9
21	Manganese(III) in a pseudo-compressed mixed-donor octahedral environment: synthesis, X-ray crystal structure and physicochemical properties. <i>Polyhedron</i> , 2001, 20, 2195-2201.	2.2	7
22	Piperazine-based Semicarbazone Derivatives as Potent Urease Inhibitors: Design, Synthesis, and Bioactivity Screening. <i>Letters in Drug Design and Discovery</i> , 2022, 19, 1111-1120.	0.7	4
23	Spectroscopic characterization, crystallographic elucidation and DFT investigation of 5-fluoro-6-(4-methylpiperazin-1-yl)benzo[d]thiazol-2-amine. <i>Journal of Molecular Structure</i> , 2019, 1176, 614-621.	3.6	2
24	1-(Naphthylamino)-1-(p-chlorophenylhydrazono)-2-propanone and 2-(p-tolyldiazenyl)-[1H]-3-methylbenzo[g]indole: Crystallographic and spectroscopic elucidation of the cyclisation of an arylamidrazone. <i>Journal of Molecular Structure</i> , 2015, 1079, 307-314.	3.6	1