

# Zerihun Assefa

## List of Publications by Year in descending order

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41  
papers

1,757  
citations

304743

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#	ARTICLE	IF	CITATIONS
1	Luminescence Investigation of Samarium(III)/Dicyanoaurate(I)-based Coordination Networks with and without Aurophilic Interactions. <i>Gold Bulletin</i> , 2018, 51, 1-10.	2.4	6
2	Structural, photoluminescence, and theoretical DFT studies of Gold(I) and silver(I) metallacycle dinuclear complexes of 1-methylbenzimidazolediphenyl phosphine (MBDP) ligand. <i>Journal of Molecular Structure</i> , 2017, 1133, 374-383.	3.6	11
3	Higher coordinate gold(I) complexes with the weak Lewis base tri(4-fluorophenyl) phosphine. Synthesis, structural, luminescence, and DFT studies. <i>Journal of Molecular Structure</i> , 2016, 1108, 508-515.	3.6	6
4	Crystal structure of bis(1,3-diaminopropane- $\lambda^2$ N,N $\epsilon^2$ )bis[2-(4-nitrophenyl)acetato- $\lambda^2$ O]cadmium. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 226-228.	0.5	0
5	Crystal structure of tert-butyl diphenyl phosphine oxide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, 0400-0400.	0.5	0
6	(E)-3-(4-Heptyloxyphenyl)-1-phenylprop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, 0163-0164.	0.2	0
7	Synthesis, structures, and photoluminescence properties of lanthanide dicyanoaurates containing dimeric aurophilic interactions. <i>Inorganica Chimica Acta</i> , 2014, 414, 240-249.	2.4	11
8	Structure, Luminescence, and Vapochromism of Bridged Cationic Copper(I) Dimers and Polymers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 66-77.	3.7	10
9	Synthesis, X-ray crystallography, and photoluminescence studies of four coordinate gold(I) complexes with the weak Lewis base tri-2-furyl phosphine ligand. <i>Inorganica Chimica Acta</i> , 2013, 406, 293-300.	2.4	6
10	Synthesis, Crystal Structures, and Dual Donor Luminescence Sensitization in Novel Terbium Tetracyanoplatinates. <i>Inorganic Chemistry</i> , 2012, 51, 12230-12241.	4.0	40
11	Recent Progress in Cyano Complexes of Platinum and Gold as Sensitizers of Lanthanide Emissions. <i>Comments on Inorganic Chemistry</i> , 2012, 33, 182-206.	5.2	3
12	Synthesis, Structural, and Photoluminescence Studies of Gd(terpy)(H <sub>2</sub> O)(NO <sub>3</sub> ) <sub>2</sub> M(CN) <sub>2</sub> (M = Au, Ag) Complexes: Multiple Emissions from Intra- and Intermolecular Excimers and Exciplexes. <i>Inorganic Chemistry</i> , 2012, 51, 3399-3408.	4.0	21
13	Tunable white light-emission of a CaW <sub>1-x</sub> Mo <sub>x</sub> O <sub>4</sub> :Tm <sup>3+</sup> , Tb <sup>3+</sup> , Eu <sup>3+</sup> phosphor prepared by a Pechini sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 63, 153-161.	2.4	19
14	Solid-State Photoluminescence Sensitization of Tb <sup>3+</sup> by Novel Au <sub>2</sub> Pt <sub>2</sub> and Au <sub>2</sub> Pt <sub>4</sub> Cyanide Clusters. <i>Inorganic Chemistry</i> , 2011, 50, 2199-2206.	4.0	31
15	Structural analysis and photoluminescence properties of low dimensional lanthanide tetracyanometallates. <i>Inorganica Chimica Acta</i> , 2011, 376, 414-421.	2.4	7
16	Laser Spectroscopy for Atmospheric and Environmental Sensing. <i>Sensors</i> , 2009, 9, 10447-10512.	3.8	93
17	Hydrothermal syntheses, structural, Raman, and luminescence studies of Cm[M(CN) <sub>2</sub> ] <sub>3</sub> ·3H <sub>2</sub> O and Pr[M(CN) <sub>2</sub> ] <sub>3</sub> ·3H <sub>2</sub> O (M=Ag, Au). <i>Journal of Solid State Chemistry</i> , 2008, 181, 382-391.	2.9	28
18	Magnetism and Raman spectroscopy of the dimeric lanthanide iodates Ln(IO <sub>3</sub> ) <sub>3</sub> (Ln=Gd, Er) and magnetism of Yb(IO <sub>3</sub> ) <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , 2008, 181, 1867-1875.	2.9	21

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19	Poly[triaqua-hexa- $\lambda^4$ -cyanido-terbium(III)trisilver(I)]: a 4f-4d bimetallic coordination polymer. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, i162-i162.	0.2	7
20	Hydrothermal synthesis, structural, Raman, and luminescence studies of $\text{Am}[\text{M}(\text{CN})_2]_3 \cdot 3\text{H}_2\text{O}$ and $\text{Nd}[\text{M}(\text{CN})_2]_3 \cdot 3\text{H}_2\text{O}$ (M=Ag, Au): Bimetallic coordination polymers containing both trans-plutonium and transition metal elements. <i>Journal of Solid State Chemistry</i> , 2007, 180, 3121-3129.	2.9	31
21	First Structural Determination of a Trivalent Californium Compound with Oxygen Coordination. <i>Inorganic Chemistry</i> , 2006, 45, 475-477.	4.0	40
22	Syntheses, structures, and vibrational spectroscopy of the two-dimensional iodates $\text{Ln}(\text{IO}_3)_3$ and $\text{Ln}(\text{IO}_3)_3(\text{H}_2\text{O})$ (LnYb, Lu). <i>Journal of Solid State Chemistry</i> , 2006, 179, 3653-3663.	2.9	20
23	Synthesis and structure of $\text{In}(\text{IO}_3)_3$ and vibrational spectroscopy of $\text{M}(\text{IO}_3)_3$ (M=Al, Ga, In). <i>Journal of Solid State Chemistry</i> , 2006, 179, 3824-3830.	2.9	28
24	Synthesis, Structure, and Spectroscopic Properties of $\text{Am}(\text{IO}_3)_3$ and the Photoluminescence Behavior of $\text{Cm}(\text{IO}_3)_3$ . <i>Inorganic Chemistry</i> , 2005, 44, 5667-5676.	4.0	42
25	Hydrothermal synthesis, structure, Raman spectroscopy, and self-irradiation studies of $^{248}\text{Cm}(\text{IO}_3)_3$ . <i>Journal of Solid State Chemistry</i> , 2004, 177, 4413-4419.	2.9	40
26	Three-coordinate, luminescent, water-soluble gold(I) phosphine complexes: structural characterization and photoluminescence properties in aqueous solution. <i>Inorganica Chimica Acta</i> , 2003, 352, 31-45.	2.4	45
27	Syntheses, Structure, and Photoluminescence Properties of the 1-Dimensional Chain Compounds $[(\text{TPA})_2\text{Au}][\text{Au}(\text{CN})_2]$ and $(\text{TPA})\text{AuCl}$ (TPA = 1,3,5-Triaza-7-phosphaadamantane). <i>Inorganic Chemistry</i> , 2002, 41, 6274-6280.	4.0	135
28	Electronic Properties of Gold(I) Compounds Relevance to Chemical Reactions. <i>Metal-Based Drugs</i> , 1999, 6, 223-231.	3.8	4
29	Photophysical and Photochemical Properties of Gold(I) Complexes. , 1999, , 195-229.		76
30	Crystal Structure, Electronic Structure, and Temperature-Dependent Raman Spectra of $\text{Tl}[\text{Ag}(\text{CN})_2] \cdot \text{H}_2\text{O}$ : Evidence for Ligand-Unsupported Argentophilic Interactions. <i>Inorganic Chemistry</i> , 1998, 37, 1380-1386.	4.0	243
31	Tunable Radiationless Energy Transfer in $\text{Eu}[\text{Au}(\text{CN})_2]_3 \cdot 3\text{H}_2\text{O}$ by High Pressure. <i>Inorganic Chemistry</i> , 1998, 37, 3209-3216.	4.0	41
32	Syntheses and Structural Characterization of Tetrahedral Four-Coordinate Gold(I) Complexes of 1,3,5-Triaza-7-phosphaadamantane. An Example of a Hydrogen-Bond-Directed Supramolecular Assembly. <i>Inorganic Chemistry</i> , 1996, 35, 16-22.	4.0	49
33	Photoluminescence of gold(I) phosphine complexes in aqueous solution. <i>Journal of the American Chemical Society</i> , 1995, 117, 9103-9104.	13.7	74
34	Structures and Spectroscopic Properties of Gold(I) Complexes of 1,3,5-Triaza-7-phosphaadamantane (TPA). 2. Multiple-State Emission from $(\text{TPA})\text{AuX}$ (X = Cl, Br, I) Complexes. <i>Inorganic Chemistry</i> , 1995, 34, 4965-4972.	4.0	98
35	Syntheses, Structures, and Spectroscopic Properties of Gold(I) Complexes of 1,3,5-Triaza-7-phosphaadamantane (TPA). Correlation of the Supramolecular $\text{Au} \cdots \text{Au}$ Interaction and Photoluminescence for the Species $(\text{TPA})\text{AuCl}$ and $[(\text{TPA-HCl})\text{AuCl}]$ . <i>Inorganic Chemistry</i> , 1995, 34, 75-83.	4.0	209
36	Excited States of Gold(I) Compounds, Luminescence and Gold-Gold Bonding. <i>Metal-Based Drugs</i> , 1994, 1, 459-466.	3.8	8

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37	Synthesis and structural characterisation of [(pta) <sub>3</sub> Au] <sub>2</sub> Au <sub>2</sub> (i-mnt) <sub>2</sub> ·0.5Me <sub>2</sub> Co·0.5MeCN; an example of unsupported Au <sup>I</sup> –Au interactions with [Au(pta) <sub>3</sub> ] <sup>+</sup> , giving a non-linear tetranuclear chain {pta = phosphatriazaadamantane, i-mnt = [S <sub>2</sub> C <sub>2</sub> (CN) <sub>2</sub> ] <sup>2-</sup> }. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 431-432.	2.0	36
38	Photoluminescence studies of lanthanide ion complexes of gold and silver dicyanides. 2. A new low dimensional solid state class for nonradiative excited state energy transfer. <i>Inorganic Chemistry</i> , 1994, 33, 6194-6200.	4.0	29
39	Syntheses, Characterizations, Luminescence Properties, and Electronic Structures of Gold(I) Bis(phosphine)-Xanthate Complexes. <i>Inorganic Chemistry</i> , 1994, 33, 2790-2798.	4.0	48
40	Photoluminescence studies of lanthanide ion complexes of gold and silver dicyanides: a new low-dimensional solid state class for nonradiative excited-state energy transfer. <i>Inorganic Chemistry</i> , 1994, 33, 2187-2195.	4.0	80
41	Photoluminescence and electronic structure of thallium(1+) dicyanoaurate(1-): evidence for relativistic effects in thallium-gold and gold-gold interactions. <i>Inorganic Chemistry</i> , 1991, 30, 2868-2876.	4.0	61