Zerihun Assefa

List of Publications by Year
in descending order

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41 papers	1,757 citations	304743 22 h-index	330143 37 g-index
43 all docs	43 docs citations	43 times ranked	1567 citing authors

#	Article	IF	Citations
1	Crystal Structure, Electronic Structure, and Temperature-Dependent Raman Spectra of Tl[Ag(CN)2]:Â Evidence for Ligand-Unsupported Argentophilic Interactions. Inorganic Chemistry, 1998, 37, 1380-1386.	4.0	243
2	Syntheses, Structures, and Spectroscopic Properties of Gold(I) Complexes of 1,3,5-Triaza-7-phosphaadamantane (TPA). Correlation of the Supramolecular Au.cntdot. .cntdot. .cntdot.Au Interaction and Photoluminescence for the Species (TPA)AuCl and [(TPA-HCl)AuCl]. Inorganic Chemistry, 1995, 34, 75-83.	4.0	209
3	Syntheses, Structure, and Photoluminescence Properties of the 1-Dimensional Chain Compounds [(TPA)2Au][Au(CN)2] and (TPA)AuCl (TPA = 1,3,5-Triaza-7-phosphaadamantane). Inorganic Chemistry, 2002, 41, 6274-6280.	4.0	135
4	Structures and Spectroscopic Properties of Gold(I) Complexes of 1,3,5-Triaza-7-phosphaadamantane (TPA). 2. Multiple-State Emission from (TPA)AuX (X = Cl, Br, I) Complexes. Inorganic Chemistry, 1995, 34, 4965-4972.	4.0	98
5	Laser Spectroscopy for Atmospheric and Environmental Sensing. Sensors, 2009, 9, 10447-10512.	3.8	93
6	Photoluminescence studies of lanthanide ion complexes of gold and silver dicyanides: a new low-dimensional solid state class for nonradiative excited-state energy transfer. Inorganic Chemistry, 1994, 33, 2187-2195.	4.0	80
7	Photophysical and Photochemical Properties of Gold(I) Complexes. , 1999, , 195-229.		76
8	Photoluminescence of gold(I) phosphine complexes in aqueous solution. Journal of the American Chemical Society, 1995, 117, 9103-9104.	13.7	74
9	Photoluminescence and electronic structure of thallium(1+) dicyanoaurate(1-): evidence for relativistic effects in thallium-gold and gold-gold interactions. Inorganic Chemistry, 1991, 30, 2868-2876.	4.0	61
10	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. Inorganic Chemistry, 1996, 35, 16-22.	4.0	49
11	Syntheses, Characterizations, Luminescence Properties, and Electronic Structures of Gold(I) Bis(phosphine)-Xanthate Complexes. Inorganic Chemistry, 1994, 33, 2790-2798.	4.0	48
12	Three-coordinate, luminescent, water-soluble gold(I) phosphine complexes: structural characterization and photoluminescence properties in aqueous solution. Inorganica Chimica Acta, 2003, 352, 31-45.	2.4	45
13	Synthesis, Structure, and Spectroscopic Properties of Am(IO3)3and the Photoluminescence Behavior of Cm(IO3)3. Inorganic Chemistry, 2005, 44, 5667-5676.	4.0	42
14	Tunable Radiationless Energy Transfer in Eu[Au(CN)2]3Â·3H2O by High Pressure. Inorganic Chemistry, 1998, 37, 3209-3216.	4.0	41
15	Hydrothermal synthesis, structure, Raman spectroscopy, and self-irradiation studies of 248Cm(IO3)3. Journal of Solid State Chemistry, 2004, 177, 4413-4419.	2.9	40
16	First Structural Determination of a Trivalent Californium Compound with Oxygen Coordination. Inorganic Chemistry, 2006, 45, 475-477.	4.0	40
17	Synthesis, Crystal Structures, and Dual Donor Luminescence Sensitization in Novel Terbium Tetracyanoplatinates. Inorganic Chemistry, 2012, 51, 12230-12241.	4.0	40
18	Synthesis and structural characterisation of [(pta)3Au]2Au2(i-mnt)2Â·0.5Me2CoÂ·0.5MeCN; an example of unsupported Aulâ‹¯ Aulinteractions with [Au(pta)3]+, giving a non-linear tetranuclear chain {pta = phosphatriazaadamantane, i-mnt =[S2C2(CN)2]2â€“}. Journal of the Chemical Society Chemical Communications, 1994, , 431-432.	2.0	36

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19	Hydrothermal synthesis, structural, Raman, and luminescence studies of Am[M(CN)2]3Â·3H2O and Nd[M(CN)2]3Â·3H2O (M=Ag, Au): Bimetallic coordination polymers containing both trans-plutonium and transition metal elements. Journal of Solid State Chemistry, 2007, 180, 3121-3129.	2.9	31
20	Solid-State Photoluminescence Sensitization of Tb3+by Novel Au2Pt2and Au2Pt4Cyanide Clusters. Inorganic Chemistry, 2011, 50, 2199-2206.	4.0	31
21	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. Inorganic Chemistry, 1994, 33, 6194-6200.	4.0	29
22	Synthesis and structure of In(IO3)3 and vibrational spectroscopy of M(IO3)3 (M=Al, Ga, In). Journal of Solid State Chemistry, 2006, 179, 3824-3830.	2.9	28
23	Hydrothermal syntheses, structural, Raman, and luminescence studies of Cm[M(CN)2]3Â·3H2O and Pr[M(CN)2]3Â·3H2O (M=Ag, Au). Journal of Solid State Chemistry, 2008, 181, 382-391.	2.9	28
24	Magnetism and Raman spectroscopy of the dimeric lanthanide iodates Ln(IO3)3 (Ln=Gd, Er) and magnetism of Yb(IO3)3. Journal of Solid State Chemistry, 2008, 181, 1867-1875.	2.9	21
25	Synthesis, Structural, and Photoluminescence Studies of Gd(terpy)(H₂O)(NO₃)₂M(CN)₂ (M = Au, Ag) Complexes: Multiple Emissions from Intra- and Intermolecular Excimers and Exciplexes. Inorganic Chemistry, 2012, 51, 3399-3408.	4.0	21
26	Syntheses, structures, and vibrational spectroscopy of the two-dimensional iodates Ln(IO3)3 and Ln(IO3)3(H2O) (LnYb, Lu). Journal of Solid State Chemistry, 2006, 179, 3653-3663.	2.9	20
27	Tunable white light-emission of a CaW1â^'x Mo x O4:Tm3+, Tb3+, Eu3+ phosphor prepared by a Pechini solâ€“gel method. Journal of Sol-Gel Science and Technology, 2012, 63, 153-161.	2.4	19
28	Synthesis, structures, and photoluminescence properties of lanthanide dicyanoaurates containing dimeric aurophilic interactions. Inorganica Chimica Acta, 2014, 414, 240-249.	2.4	11
29	Structural, photoluminescence, and theoretical DFT studies ofÂgold(I)Âand silver(I) metallacycle dinuclear complexes of 1-methylbenzimidazolediphenyl phosphine (MBDP) ligand. Journal of Molecular Structure, 2017, 1133, 374-383.	3.6	11
30	Structure, Luminescence, and Vapochromism of Bridged Cationic Copper(I) Dimers and Polymers. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 66-77.	3.7	10
31	Excited States of Gold(I) Compounds, Luminescence and Gold-Gold Bonding. Metal-Based Drugs, 1994, 1, 459-466.	3.8	8
32	Poly[triaquahexa-Î¼-cyanido-terbium(III)trisilver(I)]: a 4fâ€“4dbimetallic coordination polymer. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, i162-i162.	0.2	7
33	Structural analysis and photoluminescence properties of low dimensional lanthanide tetracyanometallates. Inorganica Chimica Acta, 2011, 376, 414-421.	2.4	7
34	Synthesis, X-ray crystallography, and photoluminescence studies of four coordinate gold(I) complexes with the weak Lewis base tri-2-furyl phosphine ligand. Inorganica Chimica Acta, 2013, 406, 293-300.	2.4	6
35	Higher coordinate gold(I) complexes with the weak Lewis base tri(4-fluorophenyl) phosphine. Synthesis, structural, luminescence, and DFT studies. Journal of Molecular Structure, 2016, 1108, 508-515.	3.6	6
36	Luminescence Investigation of Samarium(III)/Dicyanoaurate(I)-based Coordination Networks with and without Aurophilic Interactions. Gold Bulletin, 2018, 51, 1-10.	2.4	6

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37	Electronic Properties of Gold(I) Compounds Relevance to Chemical Reactions. Metal-Based Drugs, 1999, 6, 223-231.	3.8	4
38	Recent Progress in Cyano Complexes of Platinum and Gold as Sensitizers of Lanthanide Emissions. Comments on Inorganic Chemistry, 2012, 33, 182-206.	5.2	3
39	(E)-3-(4-Heptyloxyphenyl)-1-phenylprop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o163-o164.	0.2	0
40	Crystal structure oftert-butyldiphenylphosphine oxide. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o400-o400.	0.5	0
41	Crystal structure of bis(1,3-diaminopropane-Î²2N,Nâ€²)bis[2-(4-nitrophenyl)acetato-Î²O]cadmium. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 226-228.	0.5	0