Tian-Lu Sheng

List of Publications by Year
in descending order

75	1,702	279798	315739
papers	citations	23 h-index	38 g-index

76	76	76	1710
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Introduction of Redâ€“Greenâ€“Blue Fluorescent Dyes into a Metalâ€“Organic Framework for Tunable White Light Emission. Advanced Materials, 2017, 29, 1700778.	21.0	219
2	Novel Structures and Luminescence Properties of Lanthanide Coordination Polymers with a Novel Flexible Polycarboxylate Ligand. Crystal Growth and Design, 2009, 9, 5128-5134.	3.0	88
3	A novel 2D net-like supramolecular polymer constructed from Ln6Cu24node and trans-Cu(Gly)2bridge. Chemical Communications, 2004, , 1186-1187.	4.1	78
4	Heterometallic Polymeric Cluster Compounds Derived from Tetrathiotungstate and Silver(I): Syntheses and Crystal Structures of{[AgWS4]}n[NH4]n and{[W4Ag5S16]}n[M(DMF)8]n(M= Nd and La). Angewandte Chemie International Edition in English, 1996, 35, 868-870.	4.4	71
5	A Luminescent Metalâ€“Organic Framework Thermometer with Intrinsic Dual Emission from Organic Lumophores. Chemistry - A European Journal, 2016, 22, 4460-4468.	3.3	66
6	Long Range Metal-Metal Interactions Along Feâ”NCâ”Ruâ”CNâ”Fe Chains. European Journal of Inorganic Chemistry, 2004, 2004, 1198-1203.	2.0	55
7	An Unusually Delocalized Mixedâ€Valence State of a Cyanidometalâ€Bridged Compound Induced by Thermal Electron Transfer. Angewandte Chemie - International Edition, 2017, 56, 1605-1609.	13.8	47
8	Syntheses, structural aspects, luminescence and magnetism of four coordination polymers based on a new flexible polycarboxylate. CrystEngComm, 2011, 13, 2096.	2.6	46
9	Effect of Functionalized Groups on Gasâ€Adsorption Properties: Syntheses of Functionalized Microporous Metalâ€“Organic Frameworks and Their High Gasâ€Storage Capacity. Chemistry - A European Journal, 2014, 20, 1341-1348.	3.3	46
10	Three New Structural Types of Mo/Ag/S Polymeric Complexes. Angewandte Chemie - International Edition, 1998, 37, 2520-2521.	13.8	40
11	Influence of Central Metalloligand Geometry on Electronic Communication between Metals: Syntheses, Crystal Structures, MMCT Properties of Isomeric Cyanidoâ€Bridged Fe₂Ru Complexes, and TDDFT Calculations. Chemistry - A European Journal, 2014, 20, 7025-7036.	3.3	39
12	Homochiral Metalâ€“Organic Frameworks with Tunable Nanoscale Channel Array and Their Enantioseparation Performance against Chiral Diols. Inorganic Chemistry, 2017, 56, 6275-6280.	4.0	39
13	A series of d¹⁰coordination polymers constructed with a rigid tripodal imidazole ligand and varied polycarboxylates: syntheses, structures and luminescence properties. CrystEngComm, 2015, 17, 2004-2012.	2.6	35
14	From Antiferromagnetic to Ferromagnetic Interaction in Cyanido-Bridged Fe(III)â€“Ru(II)â€“Fe(III) Complexes by Change of the Central Diamagnetic Cyanido-Metal Geometry. Inorganic Chemistry, 2013, 52, 11343-11350.	4.0	32
15	Synthesis and crystal structure of two new heterometallic thioantimonates(III) [Ni(pda)₂]Cu^I₄Sb^{III}₂S₆and [Ni(dien)₂]Cu^ISb^{III}₃S₆,. CrystEngComm, 2010, 12, 73-76.	2.6	31
16	Effect of anions on the self-assembly of two Cdâ€“organic frameworks: syntheses, structural diversity and photoluminescence properties. CrystEngComm, 2015, 17, 598-603.	2.6	30
17	1D to 3D and Chiral to Noncentrosymmetric Metalâ€“Organic Complexes Controlled by the Amount of DEF Solvent: Photoluminescent and NLO Properties. Inorganic Chemistry, 2016, 55, 4199-4205.	4.0	30
18	Different Degrees of Electron Delocalization in Mixed Valence Ruâ€Ruâ€Ru Compounds by Cyanidoâ€/Isocyanidoâ€Bridge Isomerism. Angewandte Chemie - International Edition, 2018, 57, 14046-14050.	13.8	30

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19	Effect of anions on the self-assembly of Zn(ii) with a hydrogenated Schiff base ligand: structural diversity and photoluminescent properties. CrystEngComm, 2013, 15, 2714.	2.6	29
20	Confinement of an electron-capturing unit within an electron-donating framework for X-ray detection. Journal of Materials Chemistry C, 2016, 4, 3431-3436.	5.5	26
21	The Electron Transfer Process in Mixed Valence Compounds with a Lowâ€lying Energy Bridge in Different Oxidation States. Angewandte Chemie - International Edition, 2021, 60, 4804-4814.	13.8	26
22	Lanthanide coordination polymers assembled from triazine-based flexible polycarboxylate ligands and their luminescent properties. CrystEngComm, 2013, 15, 3560.	2.6	25
23	Chain-Like Tetra-, Penta- and Heptanuclear Cyanide-Bridged Complexes by Attachment of Organometallic Cyanides to M2, M3 and M5 Units. European Journal of Inorganic Chemistry, 2003, 2003, 3731-3737.	2.0	24
24	Four new cobalt(ii) coordination complexes: thermochromic switchable behavior in the process of dehydration and rehydration. CrystEngComm, 2012, 14, 3189.	2.6	23
25	Syntheses, crystal structures, MMCT and magnetic properties of four one-dimensional cyanide-bridged complexes comprised of M^{II}â€“CNâ€“Fe^{III} (M = Fe, Ru, Os). Dalton Transactions, 2014, 43, 17453-17462.	3.3	22
26	Influence of the central diamagnetic cyanidometal on the distant magnetic interaction in cyanide-bridged Fe(<scp>iii</scp>)â€“M(<scp>ii</scp>)â€“Fe(<scp>iii</scp>) complexes. Dalton Transactions, 2015, 44, 7437-7448.	3.3	22
27	Synthesis, structure, characterization, and multifunctional properties of a family of rare earth organic frameworks. CrystEngComm, 2017, 19, 2106-2112.	2.6	22
28	From Pair Quadruple- to Single-Stranded Helices to Lines in a Mixed Ligand System via Adjusting the N-Substituent of <scp>l</scp>-Glu. Inorganic Chemistry, 2015, 54, 3951-3957.	4.0	21
29	New Magnetic Nickel(II)-Thiolate Cluster-Based Coordination Polymer Constructed from 2-Mercaptonicotinic Acid. Crystal Growth and Design, 2018, 18, 2667-2671.	3.0	21
30	A cyanide-bridged trinuclear Fe(ii)â€“Ru(ii)â€“Fe(ii) complex with three stable states: synthesis, crystal structures, electronic couplings and magnetic properties. Dalton Transactions, 2012, 41, 12163.	3.3	20
31	Influence of the Substitution of the Ligand on MMâ€²CT Properties of Mixed Valence Heterometallic Cyanido-Bridged Ruâ€“Fe Complexes. Crystal Growth and Design, 2018, 18, 3674-3682.	3.0	20
32	Syntheses, structures and properties of three-dimensional lanthanide frameworks constructed with a trigonal anti-prismatic lanthanide cluster. CrystEngComm, 2011, 13, 4244.	2.6	18
33	Two cationic metalâ€“organic frameworks featuring different cage-to-cage connections: syntheses, crystal structures, photoluminescence and gas sorption properties. CrystEngComm, 2013, 15, 8139.	2.6	18
34	Intercalation of Varied Sulfonates into a Layered MOC: Confinementâ€Caused Tunable Luminescence and Novel Properties. Chemistry - A European Journal, 2016, 22, 5327-5334.	3.3	18
35	Syntheses, structures and luminescence properties of five coordination polymers based on designed 2,7-bis(4-benzoic acid)-N-(4-benzoic acid) carbazole. CrystEngComm, 2017, 19, 2632-2643.	2.6	18
36	A Diruthenumâ€Based Mixed Spin Complex Ru₂⁵⁺(S=1/2)â€CNâ€Ru₂⁵⁺(S=3/2). Angewandte Chemie - International Edition, 2019, 58, 15344-15348.	13.8	18

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37	A disulfide ligand with axial chirality generated in situ for the construction of an unusual hxg topological coordination polymer. CrystEngComm, 2011, 13, 5951.	2.6	17
38	An Unusually Delocalized Mixedâ€Valence State of a Cyanidometalâ€Bridged Compound Induced by Thermal Electron Transfer. Angewandte Chemie, 2017, 129, 1627-1631.	2.0	17
39	Influence of ligand substitution at the donor and acceptor center on MMCT in a cyanide-bridged mixed-valence system. Dalton Transactions, 2019, 48, 7809-7816.	3.3	15
40	Synthesis, Structure, and Magnetic Properties of Three Chiral Sodium-Centered Polynuclear Copper(II) Clusters withL-Alanine. European Journal of Inorganic Chemistry, 2008, 2008, 1141-1146.	2.0	14
41	Self assembly of a tren-derivative hydrogenated Schiff base with transition metal ions: syntheses, crystal structures and photoluminescent properties. CrystEngComm, 2012, 14, 2879.	2.6	13
42	The MMCT excited state of a localized mixed valence cyanido-bridged Ru^{II}â€“RuIII,III2â€“Ru^{II} complex. Dalton Transactions, 2019, 48, 9303-9309.	3.3	13
43	SYNTHESES AND STRUCTURES OF [Et₄N]₂[Sn(DMIT)₃] AND [Pb(DMIT)(DMF)]_n (DMIT = 2-THIOXO-1,3-DITHIOLE-4,5-DITHIOLATO). Journal of Coordination Chemistry, 1999, 48, 113-123.	2.2	12
44	A series of metalâ€“organic frameworks containing diverse secondary building units derived from a flexible triazine-based tetracarboxylic ligand. CrystEngComm, 2014, 16, 2188-2195.	2.6	12
45	Different Degrees of Electron Delocalization in Mixed Valence Ruâ€Ruâ€Ru Compounds by Cyanidoâ€/Isocyanidoâ€Bridge Isomerism. Angewandte Chemie, 2018, 130, 14242-14246.	2.0	12
46	Tuning metal to metal charge transfer properties in cyanidometal-bridged complexes by changing the auxiliary ligand on the bridge. Dalton Transactions, 2021, 50, 6161-6169.	3.3	12
47	Influence of Fine Ligand Substitution Modification of the Isocyanidometal Bridge on Metalâ€toâ€Metal Charge Transfer Properties in Class IIâ€“III Mixed Valence Complexes. Chemistry - A European Journal, 2021, 27, 11183-11194.	3.3	12
48	Penta and hexanuclear nickel tiara-like clusters with two different thiolate bridges. CrystEngComm, 2015, 17, 5110-5115.	2.6	11
49	The Electron Transfer Process in Mixed Valence Compounds with a Lowâ€lying Energy Bridge in Different Oxidation States. Angewandte Chemie, 2021, 133, 4854-4864.	2.0	11
50	Cyanide-bridged dinuclear complexes: Synthesis, characterization and crystal structures. Polyhedron, 2012, 41, 86-91.	2.2	9
51	Synthesis, crystal structures, and luminescent properties of eleven new lanthanide and yttrium complexes with fluorescent whitener and 1,10-phenanthroline. New Journal of Chemistry, 2009, 33, 1508.	2.8	8
52	Syntheses, structures, luminescence and magnetic properties of seven isomorphous metalâ€“organic frameworks based on 2,7-bis(4-benzoic acid)-N-(4-benzoic acid)carbazole. New Journal of Chemistry, 2018, 42, 2830-2837.	2.8	8
53	Synthesis, crystal structure and MMCT of new cyanide-bridged complexes cis-M^{II}(dppm)₂(CN)₂(Fe^{III}X₃)₂ (M = Ru, Os). RSC Advances, 2015, 5, 3399-3407.	3.6	7
54	Syntheses, crystal structures, spectroscopy, electrochemical and magnetic properties of four cyanido-bridged M^{II}â€“Mn^{III} (MÂ=ÂFe,ÂRu,ÂOs)Âcomplexes. Journal of Coordination Chemistry, 2015, 68, 55-70.	2.2	6

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55	Benzoquinone-bridged Co₂ complexes with different magnetic anisotropy induced by solvent molecules. Dalton Transactions, 2017, 46, 3435-3437.	3.3	6
56	Redox effects of low-spin Ru(<scp>ii</scp>/<scp>iii</scp>) on slow magnetic relaxation of Ruâ€“Mn(<scp>iii</scp>) 1D cyanide-bridged complexes. Dalton Transactions, 2017, 46, 7267-7272.	3.3	6
57	Redox-induced switch between luminescence and magnetism in a trinuclear cyanide-bridged compound. Dalton Transactions, 2018, 47, 9985-9988.	3.3	6
58	Effects of ligand substituents on the single-molecule magnetic behavior of quinonoid-bridged dicobalt compounds. Dalton Transactions, 2020, 49, 6738-6743.	3.3	6
59	A three-dimensional coordination polymer based on linear trinuclear copper(ii) clusters featuring a ferromagnetic exchange interaction. CrystEngComm, 2013, 15, 2120.	2.6	5
60	Syntheses, crystal structures, and magnetic properties of cyanide-bridged complexestrans-Ru^{II}(dppe)₂(CN)₂(Fe^{III}X₃</sub>)x₂</sub>(X) Tj		
61	A Diruthenium–Based Mixed Spin Complex Ru₂⁵⁺(S=1/2)–CN–Ru₂⁵⁺(S=3/2). Angewandte Chemie, 2019, 131, 15488-15492.	2.0	5
62	Influence of Substitution Effect on MMCT in Mixed–Valence Cyanido–Bridged Fe^{II}–CN–Ru₂^{II,III}–NC–Fe^{II} System. European Journal of Inorganic Chemistry, 2021, 2021, 3474-3480.	2.0	4
63	Multiple MMCT properties of the diruthenium-based cyanido-bridged complex RuVI2-NC-Ru^{II}-CN-RuVI2. Dalton Transactions, 2022, 51, 10047-10054.	3.3	4
64	The syntheses and crystal structures of two incomplete cubane-like mixed-metal clusters: [{WAg2S3C5H5NS}(PPh3)2(X)] ï¿½ CH2Cl2 (X = S, O). Journal of Cluster Science, 1996, 7, 371-383.	3.3	3
65	Title is missing!. Journal of Chemical Crystallography, 1998, 28, 713-716.	1.1	3
66	Synthesis and characterization of cobalt(iii) cyanide complexes: cobalt participation in the decomposition of radical anion of TCNQ. CrystEngComm, 2012, 14, 8708.	2.6	3
67	Synthesis, Structure and Magnetic Property of a Cobalt(II) Metal–Organic Framework. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 999-1003.	1.2	3
68	Syntheses, crystal structures and MMCT properties of cyanide-bridged binuclear Ruâ€“Fe complexes. Polyhedron, 2019, 173, 114109.	2.2	3
69	Effects of Cis/Trans–configuration and Ligand Substitution of the Cyanidometal Bridge on Metal to Metal Charge Transfer Properties in Mixed Valence Complexes. Chemistry - A European Journal, 2022, , .	3.3	3
70	New Aspects of Heterometallic Copper (Silver) Cluster Compounds Involving Sulfido Ligands. ACS Symposium Series, 1996, , 282-296.	0.5	2
71	Effects of Ru(ii/iii) redox on the Co(ii) coordination number and magnetic properties of 1D cyanide-bridged Coâ€“Ru compounds. Dalton Transactions, 2017, 46, 1038-1041.	3.3	2
72	A Class III asymmetric binuclear cyanido-bridged mixed-valence complex. New Journal of Chemistry, 2022, 46, 7922-7927.	2.8	2

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73	Syntheses, structures and characterization of the tetranuclear tin(IV) oxysulfide clusters (n) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 2006, 59, 1991-1998.	2.2	1
74	Influence of donor and acceptor substitution on the MMCT properties of binuclear cyanide bridged Schiff base compounds. Polyhedron, 2022, 213, 115639.	2.2	0
75	Influence of electron-donating ability of ligand and pH value on MLCT properties of cyanido-bridged complexes. Inorganic Chemistry Communication, 2022, 140, 109446.	3.9	0