

Xue-Tai Chen

List of Publications by Year in descending order

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96
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3867
citing authors

#	ARTICLE	IF	CITATIONS
1	2D Molecular Square Grid with Strong Blue Fluorescent Emission: A Complex of Norfloxacin with Zinc(II). <i>Inorganic Chemistry</i> , 2001, 40, 4075-4077.	1.9	181
2	Slow Magnetic Relaxation in a Mononuclear Eight-Coordinate Cobalt(II) Complex. <i>Journal of the American Chemical Society</i> , 2014, 136, 12213-12216.	6.6	155
3	BiOBr hierarchical microspheres: Microwave-assisted solvothermal synthesis, strong adsorption and excellent photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 630-636.	5.0	154
4	Syntheses, Structures, and Magnetic Properties of Unusual Nonlinear Polynuclear Copper(II) Complexes Containing Derivatives of 1,2,4-Triazole and Pivalate Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 8011-8022.	1.9	101
5	Persimmon-like (BiO) ₂ CO ₃ microstructures: hydrothermal preparation, photocatalytic properties and their conversion into Bi ₂ S ₃ . <i>CrystEngComm</i> , 2011, 13, 1939-1945.	1.3	101
6	Microwave-assisted solution-phase preparation of flower-like Bi ₂ WO ₆ and its visible-light-driven photocatalytic properties. <i>CrystEngComm</i> , 2011, 13, 306-311.	1.3	100
7	Controlled Synthesis and Characterization of Nanostructured EuF ₃ with Different Crystalline Phases and Morphologies. <i>Crystal Growth and Design</i> , 2006, 6, 2169-2173.	1.4	86
8	Bi ₂ MoO ₆ microstructures: controllable synthesis, growth mechanism, and visible-light-driven photocatalytic activities. <i>CrystEngComm</i> , 2013, 15, 498-508.	1.3	83
9	Fabrication of nanocrystalline ZnWO ₄ with different morphologies and sizes via hydrothermal route. <i>Chemical Physics Letters</i> , 2003, 375, 185-190.	1.2	76
10	Slow magnetic relaxation in mononuclear seven-coordinate cobalt(II) complexes with easy plane anisotropy. <i>Dalton Transactions</i> , 2015, 44, 11482-11490.	1.6	76
11	Selective Synthesis and Characterization of Nanocrystalline EuF ₃ with Orthorhombic and Hexagonal Structures. <i>Crystal Growth and Design</i> , 2006, 6, 1972-1974.	1.4	72
12	Microwave-assisted synthesis and photocatalytic properties of flower-like Bi ₂ WO ₆ and Bi ₂ O ₃ –Bi ₂ WO ₆ composite. <i>Journal of Colloid and Interface Science</i> , 2013, 394, 69-77.	5.0	66
13	Pb(dca) ₂ (dca = dicyanamide): a novel 3D compound with unusual coordination modes of dicyanamide. <i>New Journal of Chemistry</i> , 2002, 26, 1711-1713.	1.4	63
14	Pancake-like Fe ₂ (MoO ₄) ₃ microstructures: microwave-assisted hydrothermal synthesis, magnetic and photocatalytic properties. <i>New Journal of Chemistry</i> , 2010, 34, 2027.	1.4	63
15	Preparation and characterization of nanocrystalline zinc oxide by a novel solvothermal oxidation route. <i>Journal of Crystal Growth</i> , 2003, 252, 184-189.	0.7	59
16	Synthesis and structures of two luminescent Zn(II) complexes with pyrazole and carboxylate ligands. <i>Inorganic Chemistry Communication</i> , 2004, 7, 538-541.	1.8	58
17	Syntheses, Structures, and Catalytic Properties of Ruthenium(II) Nitrosyl Complexes with Pyridine-Functionalized N-Heterocyclic Carbenes. <i>Organometallics</i> , 2009, 28, 819-823.	1.1	56
18	Formation of YF ₃ Nanocrystals and Their Self-Assembly into Hollow Peanut-Like Structures. <i>Crystal Growth and Design</i> , 2007, 7, 2106-2111.	1.4	53

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19	Blue-Green Luminescent Rhenium(I) Tricarbonyl Complexes with Pyridine-Functionalized N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2012, 31, 3829-3835.	1.1	53
20	Luminescent Mechanochromic Dinuclear Cu(I) Complexes with Macrocyclic Diamine-Tetracarbene Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 13618-13630.	1.9	53
21	Solvothermal preparation of Cu ₂ O crystalline particles. <i>Journal of Crystal Growth</i> , 2002, 246, 169-175.	0.7	52
22	Netlike Nanostructures of Zn(OH)F and ZnO: Synthesis, Characterization, and Properties. <i>Crystal Growth and Design</i> , 2008, 8, 1412-1417.	1.4	52
23	Syntheses and structures of two one-dimensional double-stranded lead polymers of dicyanamide with unusual coordination mode. <i>Polyhedron</i> , 2003, 22, 917-923.	1.0	47
24	Self-Assembly and X-ray Structure Determination of the Novel 2-D Layered Organic-Inorganic Hybrid Pb-X Compound: [PbX ₂ (4,4'-bipy)] _n (X = I, Br). <i>Chemistry Letters</i> , 2001, 30, 678-679.	0.7	44
25	Microwave-assisted solution-phase preparation and growth mechanism of FeMoO ₄ hierarchical hollow spheres. <i>CrystEngComm</i> , 2010, 12, 207-210.	1.3	44
26	Slow magnetic relaxation in five-coordinate spin-crossover cobalt(II) complexes. <i>Chemical Communications</i> , 2017, 53, 9304-9307.	2.2	44
27	Synthesis, structures and catalytic activities of ruthenium(II) carbonyl chloride complexes containing pyridine-functionalised N-heterocyclic carbenes. <i>Dalton Transactions</i> , 2009, , 7132.	1.6	43
28	Microwave-assisted solvothermal synthesis and growth mechanism of WO ₃ ·(H ₂ O) _{0.33} hierarchical microstructures. <i>CrystEngComm</i> , 2010, 12, 1153-1158.	1.3	41
29	Slow Magnetic Relaxation in Mononuclear Octahedral Manganese(III) Complexes with Dibenzoilmethane Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 271-278.	1.0	40
30	Bis-N-heterocyclic carbene ruthenium(II) carbonyl complexes: Synthesis, structural characterization and catalytic activities in transfer hydrogenation of ketones. <i>Inorganica Chimica Acta</i> , 2010, 363, 430-437.	1.2	39
31	Slow Magnetic Relaxations in Cobalt(II) Tetranitrate Complexes. Studies of Magnetic Anisotropy by Inelastic Neutron Scattering and High-Frequency and High-Field EPR Spectroscopy. <i>Inorganic Chemistry</i> , 2016, 55, 12603-12617.	1.9	39
32	Microwave-assisted preparation and photocatalytic properties of Zn ₂ GeO ₄ nanorod bundles. <i>CrystEngComm</i> , 2010, 12, 3201.	1.3	38
33	Quinoline-functionalized N-heterocyclic carbene complexes of iridium: Synthesis, structures and catalytic activities in transfer hydrogenation. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2096-2105.	0.8	37
34	Polymer-directed synthesis and magnetic property of nanoparticles-assembled BiFeO ₃ microrods. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1761-1766.	1.4	37
35	Zero-Field Slow Magnetic Relaxation and Hysteresis Loop in Four-Coordinate Co ^{II} Single-Ion Magnets with Strong Easy-Axis Anisotropy. <i>Inorganic Chemistry</i> , 2019, 58, 12555-12564.	1.9	36
36	Syntheses and structures of two- and one-dimensional organic-inorganic hybrid compounds assembled from PbI ₂ and 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene. <i>Inorganic Chemistry Communication</i> , 2002, 5, 1090-1094.	1.8	33

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37	Ionic-liquid-assisted synthesis of YF ₃ with different crystalline phases and morphologies. <i>Materials Research Bulletin</i> , 2009, 44, 623-628.	2.7	33
38	Preparation and characterization of fine Sr ₂ CeO ₄ blue phosphor powders. <i>Solid State Communications</i> , 2004, 130, 281-285.	0.9	32
39	A capped trigonal prismatic cobalt(<i>ii</i>) complex as a structural archetype for single-ion magnets. <i>Dalton Transactions</i> , 2020, 49, 2063-2067.	1.6	32
40	Controlled synthesis of different morphological YF ₃ crystalline particles at room temperature. <i>Materials Letters</i> , 2007, 61, 1960-1963.	1.3	31
41	Preparation and Characterization of Flowerlike Y ₂ (OH) ₅ NO ₃ ·1.5H ₂ O and Y ₂ O ₃ and Their Efficient Removal of Cr(VI) from Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3461-3466.	1.5	28
42	Fast preparation and growth mechanism of erythrocyte-like Cd ₂ Ge ₂ O ₆ superstructures via a microwave-hydrothermal process. <i>CrystEngComm</i> , 2011, 13, 2464.	1.3	26
43	Magnetic anisotropy and slow magnetic relaxation processes of cobalt(<i>ii</i>)-pseudohalide complexes. <i>Dalton Transactions</i> , 2019, 48, 10743-10752.	1.6	23
44	Ruthenium(II) carbonyl chloride complexes containing pyridine-functionalised bidentate N-heterocyclic carbenes: Synthesis, structures, and impact of the carbene ligands on catalytic activities. <i>Inorganica Chimica Acta</i> , 2011, 378, 280-287.	1.2	22
45	Synthesis, structures and luminescence properties of amine-bis(N-heterocyclic carbene) copper(<i>i</i>) and silver(<i>i</i>) complexes. <i>Dalton Transactions</i> , 2018, 47, 6742-6753.	1.6	22
46	Spectroscopic Studies of the Magnetic Excitation and Spin-Phonon Couplings in a Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2019, 25, 15846-15857.	1.7	22
47	Preparation, characterization, and catalytic properties of ruthenium nitrosyl complexes with polypyrazolylmethane ligands. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3851-3857.	0.8	21
48	Syntheses, structures and catalytic activities of ruthenium (II) carbonyl iodide complexes with CNC-pincer bis (carbene) ligand. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1673-1676.	1.8	21
49	Structure, magnetic anisotropy and relaxation behavior of seven-coordinate Co(II) single-ion magnets perturbed by counter-anions. <i>Dalton Transactions</i> , 2020, 49, 7620-7627.	1.6	21
50	Microwave-assisted hydrothermal synthesis, growth mechanism and photocatalytic properties of pancake-like Cd(OH) ₂ superstructures. <i>CrystEngComm</i> , 2012, 14, 3495.	1.3	20
51	Synthesis, structure and luminescent properties of rhenium(I) carbonyl complexes containing pyrimidine-functionalized N-heterocyclic carbenes. <i>Inorganica Chimica Acta</i> , 2013, 394, 488-493.	1.2	20
52	Synthesis, Characterization, and Theoretical Studies of Group 4 Amido Hydrotris(pyrazolyl)borate Complexes. <i>Inorganic Chemistry</i> , 2003, 42, 3008-3015.	1.9	19
53	Metal Complexes with a Hexadentate Macrocyclic Diamine-Tetracarbene Ligand. <i>Inorganic Chemistry</i> , 2017, 56, 11917-11928.	1.9	19
54	Slow Magnetic Relaxation in a Mononuclear Five-Coordinate Cu(II) Complex. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4653-4659.	1.0	19

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55	Single-Crystal Study of a Low Spin Co(II) Molecular Qubit: Observation of Anisotropic Rabi Cycles. <i>Inorganic Chemistry</i> , 2019, 58, 2330-2335.	1.9	19
56	Synthesis, structures and magnetic properties of two copper(II) complexes with pyrazole and pivalate ligands. <i>Journal of Coordination Chemistry</i> , 2006, 59, 147-156.	0.8	18
57	Preparation, Characterization, and Catalytic Properties of Ruthenium(II) Nitrosyl Complexes with λ^2 -Diimine Ligands. <i>Organometallics</i> , 2009, 28, 6687-6694.	1.1	17
58	Four-coordinate Co(II) and Fe(II) complexes with bis(N-heterocyclic) Tj ETQqO O O rgBT /Overlock 10 Tf 50 622	1.6	16
59	Magnetic anisotropy and relaxation behavior of six-coordinate tris(pivalato)-Co(II) and -Ni(II) complexes. <i>Dalton Transactions</i> , 2018, 47, 10162-10171.	1.6	16
60	Syntheses, structures and magnetic properties of two new water bridged dinuclear nickel(II) complexes containing derivatives of 1,2,4-triazole and pivalate ligands. <i>Polyhedron</i> , 2006, 25, 2426-2432.	1.0	15
61	Synthesis and crystal structure of a novel 2-D hybrid compound [(PbBr ₂) ₂ ($\frac{1}{4}$ -Pyz)] _n (Pyz=pyrazine). <i>Inorganic Chemistry Communication</i> , 2002, 5, 621-624.	1.8	14
62	Synthesis and structural characterization of metal complexes with macrocyclic tetracarbene ligands. <i>New Journal of Chemistry</i> , 2017, 41, 13442-13453.	1.4	14
63	Iridium(I) and Rhodium(I) Carbonyl Complexes with the Bis(3- <i>tert</i> -butylimidazol-2-ylidene)borate Ligand and Unusual α -H Fluorination. <i>Organometallics</i> , 2011, 30, 2006-2011.	1.1	13
64	Fast preparation of Bi ₂ GeO ₅ nanoflakes via a microwave-hydrothermal process and enhanced photocatalytic activity after loading with Ag nanoparticles. <i>Materials Research Bulletin</i> , 2012, 47, 2422-2427.	2.7	13
65	Synthesis and characterization of Ag(I) and Au(I) complexes with macrocyclic hybrid amine N-heterocyclic carbene ligands. <i>New Journal of Chemistry</i> , 2018, 42, 4700-4713.	1.4	13
66	Solvothermal growth and characterization of one-dimensional-nanostructured materials NH ₄ LnF ₄ and LnF ₃ (Ln=Nd, Sm, Eu, Gd and Tb). <i>Journal of Crystal Growth</i> , 2005, 276, 613-620.	0.7	12
67	Synthesis and structures of mono- and tetra-nuclear silver complexes of styrene-containing N-heterocyclic carbene. <i>Inorganica Chimica Acta</i> , 2009, 362, 5113-5116.	1.2	12
68	A conversion route towards tubular SiO ₂ using rod-like BaSiF ₆ as a novel template. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1679-1684.	1.4	12
69	Formation and Structure of the Novel Heptanuclear Lead(II) Oxo Cluster [Pb ₇ ($\frac{1}{4}$ -O)($\frac{1}{4}$ -O)($\frac{1}{4}$ -OMe) ₄ ($\frac{1}{4}$ -I) ₄] ₂ with an Unprecedented Cage Structure. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 3210-3213.	1.0	11
70	Controlled synthesis and characterization of EuF ₃ with ring-like morphology. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 156, 62-67.	1.7	11
71	Formation of stable iron/cobalt NHC complexes via unexpected ring opening and in situ generation of a tridentate ligand. <i>Dalton Transactions</i> , 2012, 41, 10919.	1.6	11
72	Magnetic anisotropy and slow magnetic relaxation of seven-coordinate cobalt(II) nitrate complexes. <i>Polyhedron</i> , 2018, 154, 148-155.	1.0	11

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73	Magnetic anisotropy in square pyramidal cobalt(II) complexes supported by a tetraazo macrocyclic ligand. <i>Dalton Transactions</i> , 2020, 49, 14837-14846.	1.6	10
74	Manganese tetraphenylporphyrin bromide and iodide. Studies of structures and magnetic properties. <i>Polyhedron</i> , 2020, 184, 114488.	1.0	9
75	Room temperature synthesis of bismuth oxyfluoride nanosheets and nanorods. <i>Materials Letters</i> , 2007, 61, 4666-4669.	1.3	8
76	Preparation, characterization, and catalytic properties of (triphenylphosphine)ruthenium complexes bearing N,O,N'-tridentate ligands. <i>Inorganica Chimica Acta</i> , 2009, 362, 4774-4779.	1.2	8
77	Synthesis and structures of η^3 -allylpalladium(II) complexes containing bis(1,2,4-triazol-5-ylidene-1-yl)borate ligands. An unusual tetrahedral palladium complex. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3800-3806.	0.8	8
78	Synthesis and structural characterization of ruthenium(II) carbonyl complexes with a bistriazole N-heterocyclic carbene ligand. <i>Inorganica Chimica Acta</i> , 2012, 386, 46-49.	1.2	8
79	Fast preparation of flower-like Bi ₄ Ge ₃ O ₁₂ microstructures via a microwave-assisted hydrothermal process. <i>Materials Characterization</i> , 2012, 71, 24-30.	1.9	8
80	Size-controlled synthesis and magnetic properties of copper germanate nanorods. Observation of size-induced quenching of the spin-Peierls transition. <i>CrystEngComm</i> , 2014, 16, 850-857.	1.3	8
81	Syntheses and crystal structures of two lead complexes containing tricyanomethanide. <i>Journal of Coordination Chemistry</i> , 2003, 56, 1481-1488.	0.8	7
82	Synthesis and characterization of rhodium(I) and iridium(I) carbonyl phosphine complexes with bis(N-heterocyclic carbene)borate ligands. <i>Journal of Organometallic Chemistry</i> , 2012, 710, 36-43.	0.8	7
83	Synthesis, structures and ethylene polymerization activity of chromium(III) complexes with N,O,N'-tridentate ligands. <i>Inorganica Chimica Acta</i> , 2012, 387, 407-411.	1.2	7
84	Synthesis and structural characterization of η^3 -allylpalladium(II) complexes with bis(imidazol-2-ylidene)borate ligands. <i>Polyhedron</i> , 2014, 83, 44-49.	1.0	5
85	Vibronic coupling and band gap trends in CuGeO_3 nanorods. <i>Physical Review B</i> , 2017, 96, .		
86	Synthesis, Structures, and Catalytic Properties of Dinuclear Iridium(I) Complexes with a Hexadentate Macrocyclic Diamine-tetracarbene Ligand. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1595-1602.	1.0	5
87	Magnetic anisotropy of two tetrahedral Co(II)-halide complexes with triphenylphosphine ligands. <i>Dalton Transactions</i> , 2022, 51, 7530-7538.	1.6	5
88	Synthesis, structural characterization and NMR studies of group 10 metal complexes with macrocyclic amine N-heterocyclic carbene ligands. <i>Dalton Transactions</i> , 2018, 47, 4282-4292.	1.6	4
89	Unusual rearrangement of an N-heterocyclic carbene via a ring-opening and ring-closing process. <i>Chemical Communications</i> , 2018, 54, 7830-7833.	2.2	4
90	A cyanometallate- and carbonate-bridged dysprosium chain complex with a pentadentate macrocyclic ligand: synthesis, structure, and magnetism. <i>New Journal of Chemistry</i> , 2022, 46, 7892-7898.	1.4	4

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91	Charge and Bonding in CuGeO ₃ Nanorods. Nano Letters, 2018, 18, 3428-3434.	4.5	3
92	Magnetic anisotropies and slow magnetic relaxation of three tetrahedral tetrakis(pseudohalido) cobalt(II) complexes. New Journal of Chemistry, 2021, 45, 16852-16861.	1.4	2
93	1-Methyl-3-(4-vinylbenzyl)imidazolium hexafluorophosphate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o378-o378.	0.2	2