

Lan-Cui Zhang

List of Publications by Year in descending order

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64
papers

1,020
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361413

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477307

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times ranked

933
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#	ARTICLE	IF	CITATIONS
1	Enhanced Corrosion Resistance of Carbon Steel in Hydrochloric Acid Solution by Polyoxometalate-Estertin Derivatives. <i>ACS Omega</i> , 2022, 7, 4429-4443.	3.5	3
2	A POM-based copper-coordination polymer crystal material for phenolic compound degradation by immobilizing horseradish peroxidase. <i>Dalton Transactions</i> , 2021, 50, 15198-15209.	3.3	9
3	Synthesis, characterization and electrocatalytic properties of two new open Wells-Dawson-type tungstosilicates. <i>Journal of Coordination Chemistry</i> , 2020, 73, 2437-2449.	2.2	0
4	Two new estertin modified tungstosilicates: synthesis, catalytic activity and photoelectrochemical property. <i>Dalton Transactions</i> , 2020, 49, 7234-7244.	3.3	7
5	Construction and visible-light photocatalytic performance of carboxyethyltin/transition metal-functionalized wheel-like tungstophosphates. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5720.	3.5	7
6	Preparation of a g-C ₃ N ₄ /Co ₃ O ₄ /Ag ₂ O ternary heterojunction nanocomposite and its photocatalytic activity and mechanism. <i>New Journal of Chemistry</i> , 2020, 44, 6261-6268.	2.8	21
7	Carboxyethyltin and transition metal co-functionalized tungstoantimonates composited with polypyrrole for enhanced electrocatalytic methanol oxidation. <i>Dalton Transactions</i> , 2019, 48, 2977-2987.	3.3	8
8	Enhanced photocatalytic performance in preyssler-type P5W30CdS nanohybrids synthesized by l-cystine-mediated hydrothermal assembly. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13052-13060.	7.1	3
9	Preparation of carboxyethyltin group-functionalized highly ordered mesoporous organosilica composite material with double acid sites. <i>Journal of Materials Science</i> , 2019, 54, 4601-4618.	3.7	3
10	Catalytic effects of [Ag(H ₂ O)(H ₃ PW ₁₁ O ₃₉)] ³⁻ on a TiO ₂ anode for water oxidation. <i>Chinese Journal of Catalysis</i> , 2018, 39, 534-541.	14.0	13
11	A new hexamolybdate-based copper-2,2'-biimidazole coordination polymer serving as an acid catalyst and support for enzyme immobilization. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 1362-1369.	0.5	3
12	Three new Strandberg-type phenylphosphomolybdate supports for immobilizing horseradish peroxidase and their catalytic oxidation performances. <i>Dalton Transactions</i> , 2018, 47, 14060-14069.	3.3	22
13	Corrosion Protection of Carbon Steel in Circulating Cooling Water by Open-chain Carboxyethyltin and Transition Metal Co-functionalized Tungstogermanates. <i>ChemistrySelect</i> , 2018, 3, 7358-7362.	1.5	4
14	Extended visible photosensitivity of carboxyethyltin functionalized polyoxometalates with common organic dyes enabling enhanced photoelectric performance. <i>RSC Advances</i> , 2017, 7, 20685-20693.	3.6	7
15	A new carboxyethyltin functionalized sandwich-type tungstoarsenate: Synthesis, catalytic activity and corrosion inhibition behavior for carbon steel. <i>Inorganic Chemistry Communication</i> , 2017, 83, 44-48.	3.9	4
16	Four Strandberg-type polyoxometalates with organophosphine centre decorated by transition metal-2,2'-bipy/H ₂ O complexes. <i>Journal of Solid State Chemistry</i> , 2017, 253, 52-57.	2.9	12
17	Biomolecule-assisted hydrothermal synthesis of Zn _x Cd _{1-x} S nanocrystals and their outstanding photocatalytic performance for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 20970-20978.	7.1	19
18	Two New Preyssler-Type Polyoxometalate-Based Coordination Polymers and Their Application in Horseradish Peroxidase Immobilization. <i>Chemistry - A European Journal</i> , 2017, 23, 14614-14622.	3.3	22

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19	Biomolecule-mediated hydrothermal synthesis of polyoxoniobate@CdS nanohybrids with enhanced photocatalytic performance for hydrogen production and RhB degradation. Dalton Transactions, 2017, 46, 9407-9414.	3.3	14
20	Two New Armtype Polyoxometalates Grafted on Titanium Dioxide Films: Towards Enhanced Photoelectrochemical Performance. ChemSusChem, 2016, 9, 1125-1133.	6.8	23
21	Catalytic oxidation of diesel soot particulates over Ag/LaCoO ₃ perovskite oxides in air and NO _x . Chinese Journal of Catalysis, 2016, 37, 428-435.	14.0	33
22	Synthesis and catalytic activities of two new extended Preyssler-type tungstophosphates with different cavity centers. Inorganic Chemistry Communication, 2016, 73, 119-123.	3.9	4
23	Mechanism of photo-induced water oxidation with [Ce(NO ₃) ₅] ⁺ into O ₂ . ChemistrySelect, 2016, 1, 648-652.	1.5	0
24	A new boat-like tungstoarsenate functionalized by carboxyethyltin and its catalytic properties. RSC Advances, 2016, 6, 28956-28959.	3.6	13
25	Controllable assembly, characterization and catalytic properties of a new Strandberg-type organophosphotungstate. Dalton Transactions, 2016, 45, 1631-1637.	3.3	20
26	Two Keggin sandwich-type tungstophosphates modified by open-chain carboxyethyltin groups and transition metals. RSC Advances, 2015, 5, 47319-47325.	3.6	11
27	Photosensitive polyoxometalate-induced formation of thermotropic liquid crystal nanomaterial and its photovoltaic effect. RSC Advances, 2015, 5, 8194-8198.	3.6	6
28	An open chain carboxyethyltin functionalized sandwich-type tungstophosphate based on a trivacant Dawson subunit: synthesis, characterization and properties. Dalton Transactions, 2015, 44, 6423-6430.	3.3	18
29	Enhanced Visible Photovoltaic Response of TiO ₂ Thin Film with an All-Inorganic Donor-Acceptor Type Polyoxometalate. ACS Applied Materials & Interfaces, 2015, 7, 13714-13721.	8.0	78
30	A strategy for breaking the MOF template to obtain small-sized and highly dispersive polyoxometalate clusters loaded on solid films. Journal of Materials Chemistry A, 2015, 3, 14573-14577.	10.3	25
31	The kinetics and mechanism of photo-assisted Ag(i)-catalysed water oxidation with S ₂ O ₈ ²⁻ . Dalton Transactions, 2015, 44, 710-717.	3.3	7
32	Catalytic water oxidation based on Ag(i)-substituted Keggin polyoxotungstophosphate. Dalton Transactions, 2014, 43, 17406-17415.	3.3	17
33	Two carboxyethyltin functionalized polyoxometalates for assembly on carbon nanotubes as efficient counter electrode materials in dye-sensitized solar cells. Chemical Communications, 2014, 50, 14678-14681.	4.1	56
34	Two Strandberg-type organophosphomolybdates: synthesis, crystal structures and catalytic properties. Dalton Transactions, 2014, 43, 17172-17176.	3.3	30
35	Three molybdophosphates based on Strandberg-type anions and Zn(ii)-H ₂ O subunits: syntheses, structures and catalytic properties. Dalton Transactions, 2014, 43, 5840-5846.	3.3	50
36	A Novel Carboxyethyltin Functionalized Sandwich-type Germanotungstate: Synthesis, Crystal Structure, Photosensitivity, and Application in Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 7876-7884.	8.0	71

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37	Synthesis and Structure of [Co ₂ Bi ₂ (μ - or μ^2 -CoW ₉ O ₃₄) ₂] ₁₄ Isomers and Their Catalytic Water Oxidation. Journal of Cluster Science, 2013, 24, 549-558.	3.3	10
38	Hydrothermal syntheses and crystal structures of crystalline catalysts based on 3-D Ln ³⁺ -pdc ²⁻ frameworks and [BW ₁₂ O ₄₀] ⁵⁻ and their heterogeneous photocatalytic oxidation of thiophene. Journal of Coordination Chemistry, 2013, 66, 2829-2842.	2.2	13
39	The research of a new polyoxometalates based photosensitizer on dye sensitized solar cell. Inorganic Chemistry Communication, 2013, 38, 78-82.	3.9	25
40	Synthesis, characterization and catalytic activity of a new sandwich-type tungstophosphate functionalized by carboxyethyltin. Inorganic Chemistry Communication, 2013, 29, 33-36.	3.9	18
41	Three new extended Preyssler-type polyoxometalates modified by transition metal-2,2'-biimidazole complexes. Journal of Solid State Chemistry, 2012, 194, 270-276.	2.9	26
42	Three 2,2'-biimidazole transition metal complex-supported octamolybdates derived from hexamolybdochromate. Transition Metal Chemistry, 2012, 37, 303-307.	1.4	2
43	Two new sandwich-type tungstobismuthates constructed from trivacant Keggin units, estertin and transition metals. Inorganic Chemistry Communication, 2012, 17, 151-154.	3.9	23
44	Assembly of four copper(II)-2,2'-biimidazole complex-supported Strandberg-type phosphomolybdates. Transition Metal Chemistry, 2011, 36, 261-267.	1.4	17
45	A new host 3D copper(I/II)-pyrazinecarboxylate framework intercalated with Keggin polyoxotungstates. Inorganica Chimica Acta, 2011, 373, 137-141.	2.4	8
46	Two New {P ₈ W ₄₉ } Wheel-shaped Tungstophosphates Decorated by Co(II), Ni(II) Ions. Journal of Cluster Science, 2010, 21, 679-689.	3.3	17
47	Hydrothermal Syntheses and Crystal Structures of Compounds Based on μ - or μ^2 -[Mo ₈ O ₂₆] ₄ Isomers. Journal of Cluster Science, 2010, 21, 93-103.	3.3	6
48	New estertin derivatives based on trivacant Keggin-type [μ^2 -SbW ₉ O ₃₃] ₉ cluster. Inorganic Chemistry Communication, 2010, 13, 609-612.	3.9	24
49	New tetra(organotin)-decorated boat-like polyoxometalate. Dalton Transactions, 2010, 39, 3369.	3.3	31
50	Seven Novel Lanthanide Oxalatophosphonates with Two Types of 3D Framework Structures Based on <i>N</i> -Morpholinomethylphosphonic Acid: Syntheses, Crystal Structures, and Luminescence Properties. Crystal Growth and Design, 2009, 9, 3228-3234.	3.0	45
51	A New Anderson-type Heteropolyanion-Supported Transition Metal Complex: [Himi] ₂ [Ni(im) ₃ (H ₂ O){Ni(OH) ₆ Mo ₆ O ₁₈ }] ₂ H ₂ O. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 1173-1176.		
52	Hydrothermal Synthesis, Crystal Structure and Electrochemical Property of a Ribbon-Like Coordination Polymer based on Octamolybdate Anions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2639-2642.	1.2	4
53	Hydrothermal syntheses and crystal structures of two transition metal complexes supported by vanadate {V ₄ O ₁₂ }: {[M(dpa) ₂] ₂ V ₄ O ₁₂ } (M = Co, Ni. dpa = 2,2'-dipyridylamine). Journal of Coordination Chemistry, 2008, 61, 1475-1483.	2.2	1
54	Diaquabis(2,2'-biimidazole)cobalt(II) dichloride. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m308-m308.	0.2	2

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55	2-(1,3-Dithian-2-ylidene)-1-phenylbutane-1,3-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o534-o534.	0.2	0
56	Synthesis and characterization of two new λ^2 -octamolybdate complexes $[\text{NH}_4][\text{Y}(\text{DMF})_5(\text{H}_2\text{O})_3][\text{Mo}_8\text{O}_{26}]\cdot 2\text{CH}_3\text{CN}$ and $[\text{NH}_4][\text{Ce}(\text{DMF})_7\text{Mo}_8\text{O}_{26}]$. <i>Journal of Coordination Chemistry</i> , 2007, 60, 985-993.	2.2	3
57	A novel 1D molybdenum oxide ribbon bridged by pyridine-4-carboxylic ligands: $[(\text{C}_6\text{H}_4\text{NO}_2)_2\text{Mo}_2\text{O}_5\text{OH}]$. <i>Inorganic Chemistry Communication</i> , 2007, 10, 23-26.	3.9	7
58	Synthesis and crystal structures of two new inorganic-organic hybrid polyoxomolybdate complexes: $[\text{Himi}]_4\{\{\text{Co}(\text{imi})_2(\text{H}_2\text{O})_2\}\text{Mo}_7\text{O}_{24}\}\cdot 4\text{H}_2\text{O}$ and $[\text{Zn}(\text{imi})_4]_2\{(\text{imi})_2\text{Mo}_8\text{O}_{26}\}\cdot 6\text{H}_2\text{O}$. <i>Inorganic Chemistry Communication</i> , 2007, 10, 757-761.	3.9	20
59	Magnetic properties and structure of a new one-dimensional azido-bridged nickel(II) coordination polymer. <i>Inorganic Chemistry Communication</i> , 2007, 10, 1335-1338.	3.9	14
60	Synthesis, spectroscopic properties and crystal structure of organophosphoryl polyoxotungstate λ^2 - $[\text{Bu}_4\text{N}][3\text{H}[\text{PhCH}_2\text{P}(\text{O})]_2\text{SiW}_{11}\text{O}_{39}]$. <i>Journal of Coordination Chemistry</i> , 2006, 59, 1557-1564.	2.2	7
61	Bis(dicyanamidato- $\lambda^2\text{N}$)(di-2-pyridylamine- $\lambda^2\text{N}, \text{N}\lambda^2$)nickel(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m3068-m3070.	0.2	2
62	Hydrothermal synthesis, crystal structures and characterizations of a novel 3D metal phosphonate: $\text{Mg}_0.5\text{Cd}[\text{O}_3\text{PCH}(\text{OH})\text{CO}_2]$. <i>Inorganic Chemistry Communication</i> , 2006, 9, 999-1001.	3.9	24
63	Hydrothermal synthesis and crystal structure of a novel lead(II) phosphonate containing trifunctional phosphonate anions: $\text{Pb}_4\text{O}[\text{O}_3\text{PCH}_2\text{NC}_4\text{H}_7\text{CO}_2]_2$. <i>Inorganic Chemistry Communication</i> , 2006, 9, 1121-1124.	3.9	21
64	Polyoxometalate Ionic Liquid-Catalyzed Ritter Reaction for Efficient Synthesis of Amides. <i>Synlett</i> , 0, , .	1.8	1