

Dong-Di Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Bouquet-like uranium-containing selenotungstate consisting of two different Keggin-/Anderson-type units with excellent photoluminescence quantum yield. <i>Chinese Chemical Letters</i> , 2023, 34, 107209.	9.0	7
2	Assembly of selenoniobate–vanadoniobate double-anion heteropolyoxoniobate: synthesis, structure, and magnetic property. <i>Tungsten</i> , 2023, 5, 75-80.	4.8	1
3	Insight into hexanuclear peroxotantalum complexes: synthesis, characterization, and efficient catalyst for amidation reaction. <i>Tungsten</i> , 2022, 4, 158-167.	4.8	7
4	Two Dawson-type U(VI)-containing selenotungstates with sandwich structure and its high efficiency catalysis for pyrazoles. <i>Chinese Chemical Letters</i> , 2022, 33, 3899-3902.	9.0	15
5	Two novel telluroniobates with efficient catalytic activity for the imidation/amidation reaction. <i>Chemical Communications</i> , 2022, 58, 1167-1170.	4.1	11
6	Synergistic Effect of Nickel Oxyhydroxide and Tungsten Carbide in Electrocatalytic Alcohol Oxidation. <i>Chemistry of Materials</i> , 2022, 34, 959-969.	6.7	16
7	Three rare-earth incorporating 6-peroxotantalo-4-selenates and catalytic activities for imidation reaction. <i>Dalton Transactions</i> , 2022, 51, 9988-9993.	3.3	7
8	Self-assembly of Keggin-type U(VI)-containing tungstophosphates with a sandwich structure: an efficient catalyst for the synthesis of sulfonyl pyrazoles. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4650-4656.	6.0	46
9	Ion-pairs of structurally related polyoxotantalate clusters and divalent metal cations. <i>Journal of Coordination Chemistry</i> , 2020, 73, 2579-2589.	2.2	4
10	A large molecular cluster with high proton release capacity. <i>Chemical Communications</i> , 2020, 56, 12849-12852.	4.1	9
11	Unraveling the Effects of Cobalt on Crystal Growth and Solution Behavior of Nb ₆ P ₂ W ₁₂ -based Dimeric Clusters. <i>Inorganic Chemistry</i> , 2020, 59, 6747-6754.	4.0	9
12	Discovery of the selenotantalate building block and its lanthanide derivatives: design, synthesis, and RhB decolorization properties. <i>Dalton Transactions</i> , 2020, 49, 4078-4083.	3.3	6
13	Copper(II)-ethylenediamine linked Nb ₂₄ dimer with one dimensional chain architecture. <i>Inorganica Chimica Acta</i> , 2020, 508, 119646.	2.4	2
14	A Nonclassical Polyoxoanion [P ₃ W ₆ (O ₂) ₆ (OH) ₂ O ₂₂] ⁷⁻ Constructed by Two {PW ₃ (O ₂) ₃ (OH)O ₉ } Subunits and a {PO ₄ } Group. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 523-528.	2.0	2
15	Shape-control of CeF ₃ nanocrystals by doping polyoxometalates: syntheses, characterization and tunable photoluminescence. <i>Chemical Communications</i> , 2019, 55, 1619-1622.	4.1	9
16	Dimeric dumbbell architecture based on PNb ₁₄ unit. <i>Inorganic Chemistry Communication</i> , 2019, 102, 210-214.	3.9	3
17	Assembly of two hybrid organic-inorganic hexatantalate. <i>Inorganic Chemistry Communication</i> , 2019, 101, 6-10.	3.9	11
18	Immobilization of carbonyl rhenium tripods on the surface of a trinickel-substituted Dawson-type polyoxotungstate. <i>Dalton Transactions</i> , 2018, 47, 6288-6292.	3.3	11

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19	A high-nuclearity isopolyoxotungstate based manganese cluster: one-pot synthesis and step-by-step assembly. <i>Chemical Communications</i> , 2018, 54, 5458-5461.	4.1	21
20	Organometallic functionalized non-classical polyoxometalates: synthesis, characterization and electrochemical properties. <i>Dalton Transactions</i> , 2018, 47, 9317-9323.	3.3	10
21	Two Magnetic 2D Inorganic-Organic Hybrid Framework Materials Constructed by Phosphotungstates. <i>Journal of Cluster Science</i> , 2017, 28, 1761-1771.	3.3	2
22	Magnetoluminescent Bifunctional Dysprosium-Based Phosphotungstates with Synthesis and Correlations between Structures and Properties. <i>Crystal Growth and Design</i> , 2017, 17, 1947-1956.	3.0	39
23	Discovery of Heteropolytantalate: Synthesis and Structure of Two 6-Peroxotantalo-4-phosphate Clusters. <i>Inorganic Chemistry</i> , 2017, 56, 5537-5543.	4.0	33
24	Polyoxomolybdates functionalized by a flexible carboxylic acid and their photochromic properties. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 110, 161-166.	4.0	7
25	Discovery and isolation of the trans-isomers of two 12-type lanthanide-containing monolacunary Dawson-type tungstophosphates: $[LnIII(\pm 2-P2W17O61)2]17^{\pm}$ (Ln = La, Ce). <i>Dalton Transactions</i> , 2017, 46, 5398-5405.	3.3	15
26	$\{Fe_3Nb_{25}\}$ cluster based on an Fe-centred Keggin unit. <i>Dalton Transactions</i> , 2017, 46, 1368-1371.	3.3	18
27	Four transition-metal-bridging risedronate-based polyoxomolybdates: Syntheses, structures, characterizations and magnetic properties. <i>Synthetic Metals</i> , 2017, 223, 19-25.	3.9	9
28	Ligand-controlled formation of covalently modified antimoniomolybdates and their photochromic properties. <i>CrystEngComm</i> , 2017, 19, 207-213.	2.6	19
29	The Polyoxovanadate-Based Carboxylate Derivative $K_6H[V_{17}V_{IV}^{12}(OH)_4O_{60}](OOC(CH_2)_5)_3$ Synthesis, Crystal Structure, and Catalysis for Oxidation of Sulfides. <i>Inorganic Chemistry</i> , 2017, 56, 14053-14059.	4.0	50
30	Synthesis, characterization and catalytic epoxidation properties of lanthanide-stabilized peroxyisopolytungstates. <i>Dalton Transactions</i> , 2017, 46, 12981-12987.	3.3	9
31	Synthesis, structure, and luminescent properties of a family of lanthanide-functionalized peroxoniobiophosphates. <i>Scientific Reports</i> , 2017, 7, 10653.	3.3	7
32	Synthesis, structure, and photocatalytic hydrogen evolution of a trimeric Nb/W addendum cluster. <i>RSC Advances</i> , 2017, 7, 36416-36420.	3.6	11
33	Assembly of TeO_3^{2-} Ions Embedded in an Nb/O Cage with Selective Decolorization of Organic Dye. <i>Inorganic Chemistry</i> , 2017, 56, 10119-10122.	4.0	29
34	A Monomeric Tricobalt(II)-Substituted Dawson-Type Polyoxometalate Decorated by a Metal Carbonyl Group: $[P_2W_{15}O_{56}Co_3(H_2O)_3(OH)_3Mn(CO)]$. <i>Inorganic Chemistry</i> , 2017, 56, 10131-10134.	4.0	34
35	A new ring-shaped Cr-containing tungstophosphate based on $[H_2P_2W_{12}O_{48}]^{12-}$. <i>Inorganic Chemistry Communication</i> , 2017, 75, 5-7.	3.9	1
36	Two New Tetravacant Organometallic Keggin-Type Heteropolyoxomolybdates-Supported Manganese Carbonyl Derivatives. <i>Molecules</i> , 2017, 22, 1351.	3.8	7

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37	Magnetic double-tartaric bridging mono-lanthanide substituted phosphotungstates with photochromic and switchable luminescence properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5424-5433.	5.5	80
38	Synthesis, crystal structure, characterization and magnetic property of a new organophosphonate-based polyoxovanadate. <i>Inorganic Chemistry Communication</i> , 2016, 71, 65-67.	3.9	11
39	Ni III -embedded polyoxovanadate: Synthesis, structure and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2016, 686, 1032-1036.	5.5	12
40	Unprecedented $\{Fe_{14}\}/\{Fe_{10}\}$ Polyoxotungstate-Based Nanoclusters with Efficient Photocatalytic H_2 Evolution Activity: Synthesis, Structure, Magnetism, and Electrochemistry. <i>Chemistry - A European Journal</i> , 2016, 22, 10983-10989.	3.3	33
41	Insight into the reactivity of in situ formed $\{(NbO_2)_3SiW_9\}$: synthesis, structure, and solution properties of a trimeric polytungstosilicate trapping a $\{MnNb_9\}$ core. <i>Dalton Transactions</i> , 2016, 45, 15236-15241.	3.3	16
42	The $\{Ni_{10}Nb_{32}\}$ aggregate: a perspective on isopolyniobates as ligands. <i>Dalton Transactions</i> , 2016, 45, 16173-16176.	3.3	16
43	Synthesis and characterization of a series of novel polyoxometalate-supported carbonyl manganese derivatives. <i>RSC Advances</i> , 2016, 6, 108335-108342.	3.6	14
44	A new organic-inorganic hybrid dimeric hexaniobate linked by Co-complex. <i>Inorganic Chemistry Communication</i> , 2016, 73, 187-189.	3.9	3
45	Isopentatungstate-supported metal carbonyl derivative: synthesis, characterization, and catalytic properties for alkene epoxidation. <i>Dalton Transactions</i> , 2016, 45, 6726-6731.	3.3	26
46	Coordination-Driven Self-Assembly of a 2D Graphite-Like Framework Constructed from High-Nuclear Ce_{10} Cluster Encapsulated Polyoxotungstates. <i>Inorganic Chemistry</i> , 2016, 55, 918-924.	4.0	78
47	Synthesis and characterization of organotriphosphonate-functionalized TM-containing polyoxotungstates. <i>RSC Advances</i> , 2015, 5, 106077-106082.	3.6	6
48	A $\{Nb_6P_2W_{12}\}$ -Based Hexameric Manganese Cluster with Single-Molecule Magnet Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 17683-17690.	3.3	43
49	A novel transition-metal-linked hexaniobate cluster with photocatalytic H_2 evolution activity. <i>Inorganic Chemistry Communication</i> , 2015, 54, 19-20.	3.9	21
50	Two new members of the niobium-substituted polytungstophosphate family based on hexalacunary $[H_2P_2W_{12}O_{48}]^{12-}$ building blocks. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 254-262.	6.0	34
51	A $\{Co_4O_4\}$ Cubane Incorporated within a Polyoxoniobate Cluster. <i>Chemistry - A European Journal</i> , 2015, 21, 8380-8383.	3.3	49
52	Synthesis, structure and photocatalytic hydrogen evolution of a silver-linked hexaniobate Lindqvist chain. <i>Inorganic Chemistry Communication</i> , 2015, 61, 157-159.	3.9	18
53	Grafting transition metal-organophosphonate fragments onto heteropolyoxomolybdate: activity in photocatalysis. <i>Dalton Transactions</i> , 2015, 44, 17544-17550.	3.3	19
54	A nona-vacant Keggin-type tricarbonyl rhenium derivative $\{[PMo_3O_{16}][Re(CO)_3]_4\}^{5-}$ and its catalytic performance for CO_2 cycloaddition reactions. <i>RSC Advances</i> , 2015, 5, 69006-69009.	3.6	13

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55	Tetradecacobalt(II) containing 36 Niobate $[Co_{14}(OH)_{16}(H_2O)_8Nb_{36}O_{106}]^{20-}$ and Its Photocatalytic H_2 Evolution Activity. <i>Chemistry - A European Journal</i> , 2014, 20, 9852-9857.	3.8	82
56	A New Nb_{28} Cluster Based on Tungstophosphate, $[Nb_4O_6(OH)_4]\{Nb_6P_2W_{12}O_{41}\}_4$. <i>Inorganic Chemistry</i> , 2014, 53, 9917-9922.	4.1	4
57	A monovacant heteropolytungstate-incorporated trimeric carbonyl rhenium cluster, $[(AsW_{11}O_{39})\{Re(CO)_3\}_3(\frac{1}{4}OH)(\frac{1}{4}OH)]_3^{6-}$ synthesis, structure and catalytic properties. <i>RSC Advances</i> , 2014, 4, 28848-28851.	3.3	15
58	Syntheses, characterization and magnetic properties of two novel inorganic-organic tungstoferrites, $[Fe_{II}4(H_2O)_2(B_{1/2}Fe_{III}W_9O_{34})_2]_{10}^{10-}$. <i>Journal of Solid State Chemistry</i> , 2013, 198, 18-23.	2.9	11
59	A novel sandwich-type tungstoarsenate containing a cage-like $\{Ca_6\}$ cluster with a water molecule enwrapped. <i>Dalton Transactions</i> , 2013, 42, 874-878.	3.3	15
60	An unprecedented trimer based on monovacant Dawson anion: $[(\pm 2-P_2W_{17}O_{61})Ln(H_2O)_4]_{321}^{21-}$ (Ln = La, III). <i>Tj</i> 2.8 0.0 0.0 $BT/Over$	2.8	25
61	Octamolybdate-supported tricarbonyl metal derivatives: $[H_2Mo_8O_{30}\{M(CO)_3\}_2]_8^{8-}$ (M = Mn and Re). <i>Dalton Transactions</i> , 2013, 42, 2696.	3.3	18
62	Nona-copper(ii)-containing 18-tungsto-8-arsenate(iii) exhibits antitumor activity. <i>Chemical Communications</i> , 2013, 49, 5189.	4.1	73
63	Lanthanide-containing peroxyisopolytungstate with tetrahedral WO_4^{2-} template core, $[Ln_4(WO_4)(H_2O)_{16}\{W_7O_{22}(O_2)_2\}_4]_{14}^{14-}$. <i>CrystEngComm</i> , 2013, 15, 4597.	2.6	12
64	Four Members of the Sandwich-Type Polytungstophosphate Family Based on Pentalacunary $[HPW_7O_{28}]_8$ -Building Blocks. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1672-1680.	2.0	9
65	2-D and 3-D organic-inorganic hybrid lanthanide molybdates linking by pyridine-2,5-dicarboxylate. <i>CrystEngComm</i> , 2012, 14, 8677.	2.6	15
66	Three-dimensional lanthanide polyoxometalate organic complexes: correlation of structure with properties. <i>CrystEngComm</i> , 2012, 14, 3205.	2.6	54
67	Syntheses, structures and properties of dimeric rare earth derivatives based on monovacant Keggin-type polyoxotungstates. <i>Inorganica Chimica Acta</i> , 2012, 391, 218-223.	2.4	16
68	Four di-CuII-substituted sandwich-type germanomolybdates obtained under different reaction conditions: from zero-dimensional to two-dimensional structure. <i>Dalton Transactions</i> , 2012, 41, 5235.	3.3	7
69	Keggin polyoxoanion supported organic-inorganic trinuclear lutetium cluster, $\{Na(H_2O)_3[Lu(pydc)(H_2O)_3]_3\}[SiW_{12}O_{40}] \cdot 26.5H_2O$. <i>Dalton Transactions</i> , 2012, 41, 9885.	3.3	12
70	A novel diniobium-inserted sandwich-type polyoxometalate $K_6H_3[Nb_2K(H_2O)_4(A_{1/2}SiW_9O_{34})_2] \cdot 23H_2O$ constructed from two trivalent Keggin $[A_{1/2}SiW_9O_{34}]_{10}^{10-}$ moieties linked via a V-shaped $\{Nb_2K\}$ group. <i>Inorganic Chemistry Communication</i> , 2012, 17, 75-78.	3.9	17
71	The first two-dimensional organic-inorganic hybrid constructed by oxalate-bridging scandium-substituted Keggin-type silicotungstate and $[Cu(en)_2]^{2+}$ coordination cations. <i>Inorganic Chemistry Communication</i> , 2012, 20, 191-195.	3.9	16
72	A Series of 3D Rare-Earth-Metal-Organic Frameworks with Isolated Guest Keggin Silicotungstate Fragments as Anion Templates. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5397-5404.	2.0	17