

Dong-Di Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3695974/publications.pdf>

Version: 2024-02-01

72
papers

1,437
citations

394421

19
h-index

395702

33
g-index

82
all docs

82
docs citations

82
times ranked

875
citing authors

#	ARTICLE	IF	CITATIONS
1	Tetradecacobalt(II)-Containing 36-Niobate [Co ₁₄ (OH) ₁₆ (H ₂ O) ₈ Nb ₃₆ O ₁₀₆] ²⁰⁻ and Its Photocatalytic H ₂ Evolution Activity. Chemistry - A European Journal, 2014, 20, 9852-9857.	3.8	82
2	Magnetic double-tartaric bridging mono-lanthanide substituted phosphotungstates with photochromic and switchable luminescence properties. Journal of Materials Chemistry C, 2016, 4, 5424-5433.	5.5	80
3	Coordination-Driven Self-Assembly of a 2D Graphite-Like Framework Constructed from High-Nuclear Ce ₁₀ Cluster Encapsulated Polyoxotungstates. Inorganic Chemistry, 2016, 55, 918-924.	4.0	78
4	Nona-copper(ii)-containing 18-tungsto-8-arsenate(iii) exhibits antitumor activity. Chemical Communications, 2013, 49, 5189.	4.1	73
5	Three-dimensional lanthanide polyoxometalate organic complexes: correlation of structure with properties. CrystEngComm, 2012, 14, 3205.	2.6	54
6	The Polyoxovanadate-Based Carboxylate Derivative K ₆ H[V ^V ₁₇ V ^{IV} ₁₂ (OH) ₄ O ₆₀](OOC(CH ₃) ₂) ₂ Synthesis, Crystal Structure, and Catalysis for Oxidation of Sulfides. Inorganic Chemistry, 2017, 56, 14053-14059.	4.0	50
7	A {Co ₄ O ₄ } Cubane Incorporated within a Polyoxoniobate Cluster. Chemistry - A European Journal, 2015, 21, 8380-8383.	3.3	49
8	Self-assembly of Keggin-type U(vi)-containing tungstophosphates with a sandwich structure: an efficient catalyst for the synthesis of sulfonyl pyrazoles. Inorganic Chemistry Frontiers, 2021, 8, 4650-4656.	6.0	46
9	A {Nb ₆ P ₂ W ₁₂ } ⁶⁻ -Based Hexameric Manganese Cluster with Single-Molecule Magnet Properties. Chemistry - A European Journal, 2015, 21, 17683-17690.	3.3	43
10	A New Nb ₂₈ Cluster Based on Tungstophosphate, [{Nb ₄ O ₆ (OH) ₄ }{Nb ₆ P ₂ W ₁₂ O ₆₁ }] ₄ . Inorganic Chemistry, 2014, 53, 9917-9922.	4.6	41
11	Magnetoluminescent Bifunctional Dysprosium-Based Phosphotungstates with Synthesis and Correlations between Structures and Properties. Crystal Growth and Design, 2017, 17, 1947-1956.	3.0	39
12	Two new members of the niobium-substituted polytungstophosphate family based on hexalacunary [H ₂ P ₂ W ₁₂ O ₄₈] ¹²⁻ building blocks. Inorganic Chemistry Frontiers, 2015, 2, 254-262.	6.0	34
13	A Monomeric Tricobalt(II)-Substituted Dawson-Type Polyoxometalate Decorated by a Metal Carbonyl Group: [P ₂ W ₁₅ O ₅₆ Co ₃ (H ₂ O) ₃ (OH) ₃ Mn(CO) ₂] ⁴⁻ . Inorganic Chemistry, 2017, 56, 10131-10134.	4.0	34
14	Unprecedented {Fe ₁₄ }/{Fe ₁₀ } Polyoxotungstate-Based Nanoclusters with Efficient Photocatalytic H ₂ Evolution Activity: Synthesis, Structure, Magnetism, and Electrochemistry. Chemistry - A European Journal, 2016, 22, 10983-10989.	3.3	33
15	Discovery of Heteropolytantalate: Synthesis and Structure of Two 6-Peroxoantalo-4-phosphate Clusters. Inorganic Chemistry, 2017, 56, 5537-5543.	4.0	33
16	Assembly of TeO ₃ ²⁺ Ions Embedded in an Nb/O Cage with Selective Decolorization of Organic Dye. Inorganic Chemistry, 2017, 56, 10119-10122.	4.0	29
17	Isopentatungstate-supported metal carbonyl derivative: synthesis, characterization, and catalytic properties for alkene epoxidation. Dalton Transactions, 2016, 45, 6726-6731.	3.3	26
18	An unprecedented trimer based on monovacant Dawson anion: [(±2-P ₂ W ₁₇ O ₆₁)Ln(H ₂ O) ₄] ₃ ²¹⁻ (Ln = La/III, Tj). Inorganic Chemistry Frontiers, 2021, 8, 4650-4656.	2.6	28

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Grafting transition metal-organophosphonate fragments onto heteropolyoxomolybdate: activity in photocatalysis. <i>Dalton Transactions</i> , 2015, 44, 17544-17550.	3.3	19
22	Ligand-controlled formation of covalently modified antimoniomolybdates and their photochromic properties. <i>CrystEngComm</i> , 2017, 19, 207-213.	2.6	19
23	Octamolybdate-supported tricarbonyl metal derivatives: $[H_2Mo_8O_{30}\{M(CO)_3\}_2]^{8-}$ (M = Mn and Re). <i>Dalton Transactions</i> , 2013, 42, 2696.	3.3	18
24	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
25	$\{Fe_3Nb_{25}\}$ cluster based on an Fe-centred Keggin unit. <i>Dalton Transactions</i> , 2017, 46, 1368-1371.	3.3	18
26	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
27	A novel diniobium-inserted sandwich-type polyoxometalate $K_6H_3[Nb_2K(H_2O)_4(A\text{-}i\text{-}SiW_9O_{34})_2] \cdot 23H_2O$ constructed from two trivalent Keggin $[A\text{-}i\text{-}SiW_9O_{34}]^{10-}$ moieties linked via a V-shaped $\{Nb_2K\}$ group. <i>Inorganic Chemistry Communication</i> , 2012, 17, 75-78.	3.9	17
28	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
29	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
30	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
31	The $\{Ni_{10}Nb_{32}\}$ aggregate: a perspective on isopolyniobates as ligands. <i>Dalton Transactions</i> , 2016, 45, 16173-16176.	3.3	16
32	Synergistic Effect of Nickel Oxyhydroxide and Tungsten Carbide in Electrocatalytic Alcohol Oxidation. <i>Chemistry of Materials</i> , 2022, 34, 959-969.	6.7	16
33	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
34	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
35	Discovery and isolation of the trans-isomers of two 1 β -type lanthanide-containing monolacunary Dawson-type tungstophosphates: $[LnIII(i\text{-}2-P_2W_{17}O_{61})_2]^{17-}$ (Ln = La, Ce). <i>Dalton Transactions</i> , 2017, 46, 5398-5405.	3.3	15
36	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

#	ARTICLE	IF	CITATIONS
37	Synthesis and characterization of a series of novel polyoxometalate-supported carbonyl manganese derivatives. <i>RSC Advances</i> , 2016, 6, 108335-108342.	3.6	14
38	A nona-vacant Keggin-type tricarbonyl rhenium derivative $\{[\text{PMo}_3\text{O}_{16}][\text{Re}(\text{CO})_3]_4\}^{\supset 5\text{a}^-}$ and its catalytic performance for CO_2 cycloaddition reactions. <i>RSC Advances</i> , 2015, 5, 69006-69009.	3.6	13
39	Keggin polyoxoanion supported organic-inorganic trinuclear lutetium cluster, $\{\text{Na}(\text{H}_2\text{O})_3[\text{Lu}(\text{pydc})(\text{H}_2\text{O})_3]_3[\text{SiW}_{12}\text{O}_{40}]\cdot 26.5\text{H}_2\text{O}\}$. <i>Dalton Transactions</i> , 2012, 41, 9885.	3.3	12
40	Lanthanide-containing peroxyisopolytungstate with tetrahedral WO_4^{2-} template core, $[\text{Ln}_4(\text{WO}_4)(\text{H}_2\text{O})_{16}(\text{W}_7\text{O}_{22}(\text{O}_2)_2)_4]_{14}^{\text{a}^-}$. <i>CrystEngComm</i> , 2013, 15, 4597.	2.6	12
41	Ni III -embedded polyoxovanadate: Synthesis, structure and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2016, 686, 1032-1036.	5.5	12
42	Syntheses, characterization and magnetic properties of two novel inorganic-organic tungstoferrites, $[\text{FeIII}_4(\text{H}_2\text{O})_2(\text{B}^{\text{I}}\text{-FeIIIW}_9\text{O}_{34})_2]_{10}^{\text{a}^-}$. <i>Journal of Solid State Chemistry</i> , 2013, 198, 18-23.	2.9	11
43	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
44	Synthesis, structure, and photocatalytic hydrogen evolution of a trimeric Nb/W addendum cluster. <i>RSC Advances</i> , 2017, 7, 36416-36420.	3.6	11
45	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
46	Assembly of two hybrid organic-inorganic hexatantalate. <i>Inorganic Chemistry Communication</i> , 2019, 101, 6-10.	3.9	11
47	Two novel telluronibates with efficient catalytic activity for the imidation/amidation reaction. <i>Chemical Communications</i> , 2022, 58, 1167-1170.	4.1	11
48	A monovacant heteropolytungstate-incorporated trimeric carbonyl rhenium cluster, $[(\text{AsW}_{11}\text{O}_{39})\{\text{Re}(\text{CO})_3\}_3(\text{I}^{\text{I}}_4)_3(\text{OH})(\text{I}^{\text{I}}_2)_2(\text{OH})]_{10}^{\supset 6\text{a}^-}$ synthesis, structure and catalytic properties. <i>RSC Advances</i> , 2014, 4, 28848-28851.		
49	Organometallic functionalized non-classical polyoxometalates: synthesis, characterization and electrochemical properties. <i>Dalton Transactions</i> , 2018, 47, 9317-9323.	3.3	10
50	Four Members of the Sandwich-Type Polytungstophosphate Family Based on Pentalacunary $[\text{HPW}_7\text{O}_{28}]_8$ -Building Blocks. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1672-1680.	2.0	9
51	Four transition-metal-bridging risedronate-based polyoxomolybdates: Syntheses, structures, characterizations and magnetic properties. <i>Synthetic Metals</i> , 2017, 223, 19-25.	3.9	9
52	Synthesis, characterization and catalytic epoxidation properties of lanthanide-stabilized peroxyisopolytungstates. <i>Dalton Transactions</i> , 2017, 46, 12981-12987.	3.3	9
53	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
54	A large molecular cluster with high proton release capacity. <i>Chemical Communications</i> , 2020, 56, 12849-12852.	4.1	9

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	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
58	Synthesis, structure, and luminescent properties of a family of lanthanide-functionalized peroxoniobiophosphates. <i>Scientific Reports</i> , 2017, 7, 10653.	3.3	7
59	Two New Tetravacant Organometallic Keggin-Type Heteropolyoxomolybdates-Supported Manganese Carbonyl Derivatives. <i>Molecules</i> , 2017, 22, 1351.	3.8	7
60	Insight into hexanuclear peroxotantalum complexes: synthesis, characterization, and efficient catalyst for amidation reaction. <i>Tungsten</i> , 2022, 4, 158-167.	4.8	7
61	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
62	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
63	Synthesis and characterization of organotriphosphonate-functionalized TM-containing polyoxotungstates. <i>RSC Advances</i> , 2015, 5, 106077-106082.	3.6	6
64	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
65	Ion-pairs of structurally related polyoxotantalate clusters and divalent metal cations. <i>Journal of Coordination Chemistry</i> , 2020, 73, 2579-2589.	2.2	4
66	A new organic-inorganic hybrid dimeric hexaniobate linked by Co-complex. <i>Inorganic Chemistry Communication</i> , 2016, 73, 187-189.	3.9	3
67	Dimeric dumbbell architecture based on PNb ₁₄ unit. <i>Inorganic Chemistry Communication</i> , 2019, 102, 210-214.	3.9	3
68	Two Magnetic 2D Inorganic-Organic Hybrid Framework Materials Constructed by Phosphotungstates. <i>Journal of Cluster Science</i> , 2017, 28, 1761-1771.	3.3	2
69	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
70	Copper(II)-ethylenediamine linked Nb ₂₄ dimer with one dimensional chain architecture. <i>Inorganica Chimica Acta</i> , 2020, 508, 119646.	2.4	2
71	A new ring-shaped Cr-containing tungstophosphate based on [H ₂ P ₂ W ₁₂ O ₄₈] ¹²⁻ . <i>Inorganic Chemistry Communication</i> , 2017, 75, 5-7.	3.9	1
72	Assembly of selenoniobate-vanadoniobate double-anion heteropolyoxoniobate: synthesis, structure, and magnetic property. <i>Tungsten</i> , 2023, 5, 75-80.	4.8	1