

Pengtao

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

970
citations

516710

16
h-index

477307

29
g-index

51
all docs

51
docs citations

51
times ranked

576
citing authors

#	ARTICLE	IF	CITATIONS
1	dl-Serine covalently modified multinuclear lanthanide-implanted arsenotungstates with fast photochromism. Chinese Chemical Letters, 2023, 34, 107238.	9.0	27
2	Organic-inorganic one-dimensional hybrid aggregates constructed from aromatic-bisphosphonate-functionalized polyoxomolybdates. Dalton Transactions, 2022, , .	3.3	4
3	Oxalate-bridging Nd(III)-based arsenotungstate with multifunctional NIR-luminescence and magnetic properties. Dalton Transactions, 2022, 51, 10257-10265.	3.3	8
4	The photoluminescence study of an organic-inorganic hybrid Keggin-type polyoxotungstate: A better excitation efficiency between polyoxometalate and thulium. Inorganic Chemistry Communication, 2022, 143, 109718.	3.9	0
5	A Polyoxometalate-Based Inorganic Porous Material with both Proton and Electron Conductivity by Light Actuation: Photocatalysis for Baeyer-Villiger Oxidation and Cr(VI) Reduction. Inorganic Chemistry, 2021, 60, 682-691.	4.0	32
6	Synthesis, structures and stability of three V-substituted polyoxoniobate clusters based on [TeNb ₉ O ₃₃] ¹⁷⁻ units. Dalton Transactions, 2021, 50, 7610-7620.	3.3	8
7	Improving the single-molecule magnet properties of two pentagonal bipyramidal Dy ³⁺ compounds by the introduction of both electron-withdrawing and -donating groups. Dalton Transactions, 2021, 50, 12607-12618.	3.3	19
8	A Rh-substituted polyoxometalate with an acetate-modified building block {As ₂ W ₂₂ O ₇₆ (CH ₃ COO) ₂ }. Chemical Communications, 2021, 57, 10250-10253.	4.1	8
9	Ru(III)-based polyoxometalate tetramers as highly efficient heterogeneous catalysts for alcohol oxidation reactions at room temperature. Dalton Transactions, 2021, 50, 12664-12673.	3.3	5
10	A large copper-niobate cluster with the pagoda-shaped subunit {Nb ₂₀ O ₅₉ }. Chemical Communications, 2021, 57, 3999-4002.	4.1	4
11	Recent advances in rare earth co-doped luminescent tungsten oxygen complexes. Inorganic Chemistry Frontiers, 2021, 8, 4158-4176.	6.0	17
12	A Copper-Containing Polyoxometalate-Based Metal-Organic Framework as an Efficient Catalyst for Selective Catalytic Oxidation of Alkylbenzenes. Inorganic Chemistry, 2021, 60, 4792-4799.	4.0	32
13	Synthesis, characterization and photoluminescence properties of an organic-inorganic hybrid monolacunary Keggin-type polyoxotungstate. Inorganic Chemistry Communication, 2021, 129, 108621.	3.9	3
14	Discovery of two Na ⁺ -centered Silverton-type polyoxometalates {NaM ₁₂ O ₄₂ } (M = Mo, W). Chemical Communications, 2021, 57, 2172-2175.	4.1	14
15	Regulating the catalytic activity of multi-Ru-bridged polyoxometalates based on differential active site environments with six-coordinate geometry and five-coordinate geometry transitions. Nanoscale, 2021, 13, 8077-8086.	5.6	20
16	Facile and green synthesis of decatungstate-based nickel(II) complex coated onto modified Fe ₃ O ₄ nanoparticles with enhanced antimicrobial activity against antibiotic-resistant bacteria. CrystEngComm, 2021, 23, 3919-3928.	2.6	6
17	An organic chromophore -modified samarium-containing polyoxometalate: excitation-dependent color tunable behavior from the organic chromophores to the lanthanide ion. Dalton Transactions, 2020, 49, 388-394.	3.3	28
18	H-shaped oxalate-bridging lanthanoid-incorporated arsenotungstates. Dalton Transactions, 2020, 49, 15731-15738.	3.3	9

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19	A silver-substituted phosphomolybdate prevents the growth of bacteria without affecting the balance of reactive oxygen species. <i>CrystEngComm</i> , 2020, 22, 7832-7837.	2.6	16
20	Magnetic field and dilution effects on the slow relaxation of $\{Er_{3}\}$ triangle-based arsenotungstate single-molecule magnets. <i>Dalton Transactions</i> , 2020, 49, 12458-12465.	3.3	13
21	Selenotungstates incorporating organophosphonate ligands and metal ions: synthesis, characterization, magnetism and catalytic efficiency in the Knoevenagel condensation reaction. <i>Dalton Transactions</i> , 2020, 49, 7420-7425.	3.3	8
22	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
23	A hybrid silicotungstate based on tri-coordination copper complex and Keggin type cluster with reactive oxygen species catalytic ability. <i>Journal of Molecular Structure</i> , 2020, 1206, 127714.	3.6	13
24	Temperature-induced structural transformations accompanied by changes in magnetic properties of two copper coordination polymers. <i>CrystEngComm</i> , 2020, 22, 3482-3488.	2.6	17
25	Trinuclear ruthenium core-containing polyoxometalate-based hybrids: preparation, characterization and catalytic behavior. <i>Dalton Transactions</i> , 2020, 49, 2895-2904.	3.3	17
26	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
27	A nano-linear zinc-substituted phosphomolybdate with reactive oxygen species catalytic ability and antibacterial activity. <i>Journal of Molecular Structure</i> , 2019, 1198, 126865.	3.6	17
28	A novel peroxopolyoxoniobate incorporating mixed heteroatoms: $[P_{2}Se_{2}Nb_{6}(O_{2})_{6}O_{22}]^{8-}$. <i>Dalton Transactions</i> , 2019, 48, 13135-13138.	3.3	9
29	Pyrazine dicarboxylate-bridged arsenotungstate: synthesis, characterization, and catalytic activities in epoxidation of olefins and oxidation of alcohols. <i>Dalton Transactions</i> , 2019, 48, 12956-12963.	3.3	15
30	Synthesis, characterization, and photoluminescence properties of three two-dimensional lanthanide-containing Dawson-type polyoxometalates. <i>Dalton Transactions</i> , 2019, 48, 13850-13857.	3.3	18
31	A binuclear copper-substituted phosphomolybdate with reactive oxygen species catalytic ability and antimicrobial activity. <i>CrystEngComm</i> , 2019, 21, 394-398.	2.6	20
32	Synthesis, characterization and catalytic epoxidation properties of a new tellurotungstate(IV)-supported rhenium carbonyl derivative. <i>Dalton Transactions</i> , 2019, 48, 628-634.	3.3	16
33	A new 2-D layer-like organic-inorganic hybrid tungstobismuthate constructed from $[Bi_{2}W_{20}O_{70}]^{14-}$ units and dimeric $[Cu_{2}(\text{dien})_{2}]^{24+}$ complex cations. <i>Journal of Molecular Structure</i> , 2019, 1181, 142-147.	3.6	6
34	Well-tuned white-light-emitting behaviours in multicenter-Ln polyoxometalate derivatives: A photoluminescence property and energy transfer pathway study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117294.	3.9	17
35	Preparation, characterization and electrocatalysis performance of a trimeric ruthenium-substituted isopolytungstate. <i>Dalton Transactions</i> , 2019, 48, 10327-10336.	3.3	9
36	A propionate-functionalized polyoxovanadate $K_{2}[V_{10}O_{16}(OH)_{6}(CH_{3}CH_{2}CO_{2})_{6}] \cdot 20H_{2}O$: As catalyst for degradation of methylene blue. <i>Journal of Molecular Structure</i> , 2019, 1195, 184-188.	3.6	7

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37	Recent advances in transition-metal-containing Keggin-type polyoxometalate-based coordination polymers. <i>Coordination Chemistry Reviews</i> , 2019, 392, 49-80.	18.8	133
38	Ln(III)-Containing polyoxomolybdates based on β -[Mo ₈ O ₂₈]: microwave synthesis and optical and magnetic properties. <i>CrystEngComm</i> , 2019, 21, 3627-3633.	2.6	5
39	Utilizing the adaptive precursor [As ₂ W ₁₉ O ₆₇ (H ₂ O) ₂] ¹⁴⁻ to support three hexanuclear lanthanoid-based tungstoarsenate dimers. <i>Dalton Transactions</i> , 2019, 48, 2813-2821.	3.3	18
40	A new phosphotungstate-supported rhenium carbonyl derivative: synthesis, characterization and catalytic selective oxidation of thiophenes. <i>CrystEngComm</i> , 2019, 21, 7322-7328.	2.6	3
41	An unprecedented [Fe ₅ O ₅ (OH) ₂ (OAc) ₂ W ₂ O ₂ (OH)] cluster sandwiched in the tetravacant tungstophosphate. <i>Dalton Transactions</i> , 2019, 48, 16857-16860.	3.3	2
42	Two synthetic routes generate two isopolyoxoniobates based on {Nb ₁₆ } and {Nb ₂₀ }. <i>Dalton Transactions</i> , 2019, 48, 17709-17712.	3.3	18
43	Carboxylate covalently modified polyoxometalates: From synthesis, structural diversity to applications. <i>Coordination Chemistry Reviews</i> , 2019, 378, 281-309.	18.8	205
44	An isotetramolybdate-supported rhenium carbonyl derivative: synthesis, characterization, and use as a catalyst for sulfoxidation. <i>Dalton Transactions</i> , 2018, 47, 5279-5285.	3.3	23
45	Polyoxovanadate catalysts for oxidation of 1-phenyl ethanol: from the discrete [V ₄ O ₁₂] ⁴⁻ and [V ₁₀ O ₂₈] ⁶⁻ anions to the anionic [V ₆ O ₁₇] ⁿ⁻ coordination polymer. <i>CrystEngComm</i> , 2018, 20, 6273-6279.	2.6	17
46	Elucidating white light emissions in Tm ³⁺ /Dy ³⁺ codoped polyoxometalates: a color tuning and energy transfer mechanism study. <i>Dalton Transactions</i> , 2018, 47, 13949-13956.	3.3	32
47	A comprehensive approach providing a new synthetic route for bimetallic electrocatalysts <i>via</i> isoPOMs [M/Rh(Cp*) ₄ W ₈ O ₃₂] (M = Rh (1) and Ir (2)). <i>Dalton Transactions</i> , 2018, 47, 13870-13879.	3.3	4
48	Synthesis and characterization of a Sb-containing polyoxomolybdate serving as a catalyst for sulfoxidation. <i>Dalton Transactions</i> , 2018, 47, 8070-8077.	3.3	13
49	A new dimeric polyoxometalate derivative assembled by divacant Dawson {P ₂ W ₁₆ } units and isosceles triangle {Ce ₃ } cluster. <i>Inorganic Chemistry Communication</i> , 2018, 95, 154-157.	3.9	10
50	Preparation, characterization, and catalytic performances of a pyrazine dicarboxylate-bridging rare-earth-containing polytungstoarsenate aggregate for selective oxidation of thiophenes and deep desulfurization of model fuels. <i>Dalton Transactions</i> , 2018, 47, 9677-9684.	3.3	14
51	A novel organic-inorganic hybrid polyoxometalate-based 3D framework constructed by organo-functionalized [As ₂ W ₂₁ O ₇₂ (mal) ₂] ¹⁸⁻ units and Ce ³⁺ ions. <i>Inorganic Chemistry Communication</i> , 2017, 83, 84-87.	3.9	3