Yanfei Qi

List of Publications by Year
in descending order

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57 papers	1,380 citations	331670 21 h-index	345221 36 g-index
57 all docs	57 docs citations	57 times ranked	1743 citing authors

#	Article	IF	Citations
1	An Assembled Nanocomplex for Improving both Therapeutic Efficiency and Treatment Depth in Photodynamic Therapy. Angewandte Chemie - International Edition, 2018, 57, 7759-7763.	13.8	104
2	Molecular and Multidimensional Organicâ^'Inorganic Hybrids Based on Polyoxometalates and Copper Coordination Polymer with Mixed 4,4â€˜-Bipyridine and 2,2â€˜-Bipyridine Ligands. Crystal Growth and Design, 2006, 6, 2693-2698.	3.0	96
3	Optimizing Colorimetric Assay Based on V2O5 Nanozymes for Sensitive Detection of H2O2 and Glucose. Sensors, 2016, 16, 584.	3.8	94
4	From Chain to Network:Â Design and Analysis of Novel Organicâ^'Inorganic Assemblies from Organically Functionalized Zinc-Substituted Polyoxovanadates and Zinc Organoamine Subunits. Inorganic Chemistry, 2007, 46, 3217-3230.	4.0	80
5	A Novel Copper(I) Halide Framework Templated by Organicâ€“Inorganic Hybrid Polyoxometalate Chains Formed In Situ: A New Route for the Design and Synthesis of Porous Frameworks. European Journal of Inorganic Chemistry, 2006, 2006, 4541-4545.	2.0	71
6	A Multifunctional Janus Electrospun Nanofiber Dressing with Biofluid Draining, Monitoring, and Antibacterial Properties for Wound Healing. ACS Applied Materials & Interfaces, 2022, 14, 12984-13000.	8.0	69
7	Broad-Spectrum Antiviral Property of Polyoxometalate Localized on a Cell Surface. ACS Applied Materials & Interfaces, 2014, 6, 9785-9789.	8.0	52
8	Influence of VO2 Nanoparticle Morphology on the Colorimetric Assay of H2O2 and Glucose. Nanomaterials, 2017, 7, 347.	4.1	52
9	Nitrogen-doped graphene quantum dots coupled with photosensitizers for one-/two-photon activated photodynamic therapy based on a FRET mechanism. Chemical Communications, 2018, 54, 715-718.	4.1	45
10	Synthesis, Characterization, and Crystal Structures of Double-Cubane-Substituted and Asymmetric Penta-Ni-Substituted Dimeric Polyoxometalates. Crystal Growth and Design, 2007, 7, 1305-1311.	3.0	39
11	Fabrication of Mesoporous Silica Nanoparticle with Well-Defined Multicompartment Structure as Efficient Drug Carrier for Cancer Therapy in Vitro and in Vivo. ACS Applied Materials & Interfaces, 2016, 8, 8900-8907.	8.0	38
12	Heteropolymolybdateâ€“amino acid complexes: synthesis, characterization and biological activity. Journal of Coordination Chemistry, 2004, 57, 1309-1319.	2.2	32
13	Cytotoxicity of water-soluble mPEG-SH-coated silver nanoparticles in HL-7702 cells. Cell Biology and Toxicology, 2012, 28, 225-237.	5.3	32
14	Synthesis, cytotoxicity and antitumour mechanism investigations of polyoxometalate doped silica nanospheres on breast cancer MCF-7 cells. PLoS ONE, 2017, 12, e0181018.	2.5	32
15	Polyoxometalates as promising enzyme mimics for the sensitive detection of hydrogen peroxide by fluorometric method. Talanta, 2018, 188, 332-338.	5.5	29
16	Metal-controlled self-assembly of arsenicâ€“vanadium-cluster backbones with organic ligands. Dalton Transactions, 2008, , 2335.	3.3	28
17	Multienzymatic Antioxidant Activity of Manganese-Based Nanoparticles for Protection against Oxidative Cell Damage. ACS Biomaterials Science and Engineering, 2022, 8, 638-648.	5.2	27
18	Polyoxomolybdates as Î±-glucosidase inhibitors: Kinetic and molecular modeling studies. Journal of Inorganic Biochemistry, 2019, 193, 173-179.	3.5	26

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19	An enhanced antibacterial nanoflowers AgPW@PDA@Nisin constructed from polyoxometalate and nisin. Journal of Inorganic Biochemistry, 2020, 212, 111212.	3.5	26
20	An Assembled Nanocomplex for Improving both Therapeutic Efficiency and Treatment Depth in Photodynamic Therapy. Angewandte Chemie, 2018, 130, 7885-7889.	2.0	24
21	Effect of AgWPA nanoparticles on the inhibition of Staphylococcus aureus growth in biofilms. Food Control, 2019, 100, 240-246.	5.5	23
22	In vitro and in vivo antifungal activities and mechanism of heteropolytungstates against Candida species. Scientific Reports, 2017, 7, 16942.	3.3	22
23	Intraparticle FRET for Enhanced Efficiency of Twoâ€Photon Activated Photodynamic Therapy. Advanced Healthcare Materials, 2018, 7, e1701357.	7.6	22
24	Assembly of polyoxometalates/polydopamine nanozymes as a multifunctional platform for glutathione and Escherichia coli O157:H7 detection. Microchemical Journal, 2021, 164, 106013.	4.5	22
25	Vancomycin recognition and induced-aggregation of the Au nanoparticles through freeze-thaw for foodborne pathogen Staphylococcus aureus detection. Analytica Chimica Acta, 2022, 1190, 339253.	5.4	21
26	The Intrinsic Enzyme Activities of the Classic Polyoxometalates. Scientific Reports, 2019, 9, 14832.	3.3	20
27	Nanoparticle delivery of chemotherapy combination regimen improves the therapeutic efficacy in mouse models of lung cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1301-1307.	3.3	19
28	BSA-binding properties and anti-proliferative effects of amino acids functionalized polyoxomolybdates. Biomedicine and Pharmacotherapy, 2016, 79, 78-86.	5.6	18
29	The Anti-Proliferation Activity and Mechanism of Action of K12[V18O42(H2O)]â‹™6H2O on Breast Cancer Cell Lines. Molecules, 2017, 22, 1535.	3.8	18
30	Antileukemic activity of an arsenomolybdate in the human HL-60 and U937 leukemia cells. Journal of Inorganic Biochemistry, 2017, 168, 67-75.	3.5	17
31	Fluorometric enhancement of the detection of H₂O₂using different organic substrates and a peroxidase-mimicking polyoxometalate. RSC Advances, 2019, 9, 12209-12217.	3.6	17
32	A Pharmacological Activator of AMP-Activated Protein Kinase Protects Hypoxic Neurons in a Concentration-Dependent Manner. Neurochemical Research, 2010, 35, 1281-1289.	3.3	16
33	Anti-flavivirus activity of polyoxometalate. Antiviral Research, 2020, 179, 104813.	4.1	14
34	Synthesis, structural characterization and biological activity of polyoxometallate-containing protonated amantadine as a cation. Journal of Coordination Chemistry, 2004, 57, 715-721.	2.2	12
35	Pharmacokinetics of Anti-HBV Polyoxometalate in Rats. PLoS ONE, 2014, 9, e98292.	2.5	12
36	Two-photon excited peptide nanodrugs for precise photodynamic therapy. Chemical Communications, 2021, 57, 2245-2248.	4.1	11

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37	Antiviral effects of a niobiumâ€substituted heteropolytungstate on hepatitis B virusâ€transgenic mice. Drug Development Research, 2019, 80, 1062-1070.	2.9	10
38	Cu2+ modified Zr-based metal organic framework-CTAB-graphene for sensitive electrochemical detection of sunset yellow. Food and Chemical Toxicology, 2022, 166, 113250.	3.6	9
39	A Novel Dimeric Polyoxotungstate Decorated by 3d-4f atoms: K4LaH[As2W20CuO67 (H2O)3]Cl2Â· 22.5H2O. Journal of Cluster Science, 2007, 18, 781-796.	3.3	8
40	In Vitro Anticandidal Activity and Mechanism of a Polyoxovanadate Functionalized by Zn-Fluconazole Complexes. Molecules, 2018, 23, 1122.	3.8	8
41	Survival analysis of patients with tuberculosis and risk factors for multidrug-resistant tuberculosis in Monrovia, Liberia. PLoS ONE, 2021, 16, e0249474.	2.5	7
42	A New Sandwich Polyoxometalate Constructed from a Zn 6 12+ Hexagon Cluster Sandwiched by Two B-Î±-[BiW9O33]9â^'. Journal of Cluster Science, 2008, 19, 543-550.	3.3	6
43	Fluorometric Detection of Thiamine Based on Hemoglobinâ€“Cu3(PO4)2 Nanoflowers (NFs) with Peroxidase Mimetic Activity. Sensors, 2020, 20, 6359.	3.8	6
44	Structural characterization of two lanthanide complexes attached to [H2W12O40]6â^'. Transition Metal Chemistry, 2008, 33, 341-346.	1.4	5
45	Synthesis and Characterization of Two Extended High-dimensional Architectures Formed by Transition Metalâ€“Glycine Complexes. Journal of Cluster Science, 2008, 19, 367-378.	3.3	5
46	In Vitro Antifungal Activity and Mechanism of Ag3PW12O40 Composites against Candida Species. Molecules, 2020, 25, 6012.	3.8	5
47	Freeze-thaw induced co-assembly of multi-enzyme immobilized AuNPs probes for fast detection of glucose and hypoxanthine. Microchemical Journal, 2022, 181, 107755.	4.5	5
48	Self-assembly of a 3-D self-catenated framework based on [V₄O₁₂]^{4â^'} polyoxoanions and cobalt-organic polymer. Journal of Coordination Chemistry, 2013, 66, 1228-1237.	2.2	4
49	Assembled Nanocomplex for Improving Photodynamic Therapy through Intraparticle Fluorescence Resonance Energy Transfer. Chemistry - an Asian Journal, 2018, 13, 3540-3546.	3.3	4
50	Combination Immunotherapy: A Dual Immunotherapy Nanoparticle Improves Tâ€Cell Activation and Cancer Immunotherapy (Adv. Mater. 25/2018). Advanced Materials, 2018, 30, 1870182.	21.0	4
51	Hierarchical micro-nanostructures from polyoxometalates and polydopamine: Characterization, electrochemical and intrinsic peroxidase-like properties. Particuology, 2022, 64, 178-185.	3.6	4
52	A GdW10@PDA-CAT Sensitizer with High-Z Effect and Self-Supplied Oxygen for Hypoxic-Tumor Radiotherapy. Molecules, 2022, 27, 128.	3.8	4
53	In VitroAntitumor Activity of a Keggin Vanadium-Substituted Polyoxomolybdate and Its ctDNA Binding Properties. Journal of Chemistry, 2015, 2015, 1-6.	1.9	2
54	Recent Advances in Polyoxometalates with Enzyme-like Characteristics for Analytical Applications. Critical Reviews in Analytical Chemistry, 2024, 54, 315-332.	3.5	2

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55	Two pillared-helical-layer frameworks based on spiral chainlike metavanadate and [M(btx)]2+ complexes. Journal of Coordination Chemistry, 2015, 68, 743-751.	2.2	1
56	Nanomedicine: Biologically Targeted Photoâ€Crosslinkable Nanopatch to Prevent Postsurgical Peritoneal Adhesion (Adv. Sci. 19/2019). Advanced Science, 2019, 6, 1970117.	11.2	1
57	Two helical coordination polymers constructed from V-shaped and chelate ligands. Journal of Coordination Chemistry, 2006, 59, 1225-1232.	2.2	0