

Jin-Xiang Chen

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,743
citations

257450

24
h-index

302126

39
g-index

62
all docs

62
docs citations

62
times ranked

1703
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Detection of Plasma Exosomal MicroRNA-1246 for Breast Cancer Diagnostics by a Au Nanoflare Probe. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39478-39486.	8.0	133
2	Platforms Formed from a Three-Dimensional Cu-Based Zwitterionic Metal-Organic Framework and Probe ss-DNA: Selective Fluorescent Biosensors for Human Immunodeficiency Virus 1 ds-DNA and Sudan Virus RNA Sequences. <i>Analytical Chemistry</i> , 2015, 87, 12206-12214.	6.5	103
3	A water-stable metal-organic framework of a zwitterionic carboxylate with dysprosium: a sensing platform for Ebolavirus RNA sequences. <i>Chemical Communications</i> , 2016, 52, 132-135.	4.1	102
4	Microenvironment-driven sequential ferroptosis, photodynamic therapy, and chemotherapy for targeted breast cancer therapy by a cancer-cell-membrane-coated nanoscale metal-organic framework. <i>Biomaterials</i> , 2022, 283, 121449.	11.4	89
5	A zinc(II)-based two-dimensional MOF for sensitive and selective sensing of HIV-1 ds-DNA sequences. <i>Analytica Chimica Acta</i> , 2016, 922, 55-63.	5.4	82
6	Simultaneous detection of Dengue and Zika virus RNA sequences with a three-dimensional Cu-based zwitterionic metal-organic framework, comparison of single and synchronous fluorescence analysis. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 1133-1140.	7.8	82
7	Stitching 2D Polymeric Layers into Flexible Interpenetrated Metal-Organic Frameworks within Single Crystals. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4628-4632.	13.8	62
8	Sequential and recyclable sensing of Fe ³⁺ and ascorbic acid in water with a terbium(III)-based metal-organic framework. <i>Dalton Transactions</i> , 2019, 48, 8911-8919.	3.3	56
9	Zwitterionic Manganese and Gadolinium Metal-Organic Frameworks as Efficient Contrast Agents for in Vivo Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41378-41386.	8.0	54
10	One Unique 1D Silver(I)-Bromide-Thiol Coordination Polymer Used for Highly Efficient Chemiresistive Sensing of Ammonia and Amines in Water. <i>Inorganic Chemistry</i> , 2016, 55, 9417-9423.	4.0	52
11	Successive and Specific Detection of Hg ²⁺ and I ⁻ by a DNA@MOF Biosensor: Experimental and Simulation Studies. <i>Inorganic Chemistry</i> , 2018, 57, 8382-8389.	4.0	51
12	Synchronous detection of ebolavirus conserved RNA sequences and ebolavirus-encoded miRNA-like fragment based on a zwitterionic copper (II) metal-organic framework. <i>Talanta</i> , 2018, 180, 396-402.	5.5	50
13	Lanthanum-Based Metal-Organic Frameworks for Specific Detection of Sudan Virus RNA Conservative Sequences down to Single-Base Mismatch. <i>Inorganic Chemistry</i> , 2017, 56, 14880-14887.	4.0	46
14	Effective loading of cisplatin into a nanoscale UiO-66 metal-organic framework with preformed defects. <i>Dalton Transactions</i> , 2019, 48, 5308-5314.	3.3	45
15	A zwitterionic 1D/2D polymer co-crystal and its polymorphic sub-components: a highly selective sensing platform for HIV ds-DNA sequences. <i>Dalton Transactions</i> , 2016, 45, 5092-5100.	3.3	39
16	Experimental and theoretical validations of a one-pot sequential sensing of Hg ²⁺ and biothiols by a 3D Cu-based zwitterionic metal-organic framework. <i>Talanta</i> , 2020, 210, 120596.	5.5	34
17	Synchronous sensing of three conserved sequences of Zika virus using a DNAs@MOF hybrid: experimental and molecular simulation studies. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 148-152.	6.0	33
18	Transmetalation of a Dodecahedral Na ₉ Aggregate-Based Polymer: A Facile Route to Water Stable Cu(II) Coordination Networks. <i>Inorganic Chemistry</i> , 2014, 53, 7446-7454.	4.0	30

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19	Synergistic photothermal-photodynamic-chemotherapy toward breast cancer based on a liposome-coated core-shell AuNS@NMOFs nanocomposite encapsulated with gambogic acid. <i>Journal of Nanobiotechnology</i> , 2022, 20, 212.	9.1	29
20	Five water-soluble zwitterionic copper(II)-carboxylate polymers: role of dipyriddy ligands in enhancing the DNA-binding, cleaving and anticancer activities. <i>Dalton Transactions</i> , 2015, 44, 13369-13377.	3.3	26
21	A metal-organic framework based PCR-free biosensor for the detection of gastric cancer associated microRNAs. <i>Journal of Inorganic Biochemistry</i> , 2017, 177, 138-142.	3.5	26
22	Synthesis, characterization and potent DNA-cleaving activity of copper(II)-complexed berberine carboxylate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 7056-7059.	2.2	25
23	Towards polynuclear metal complexes with enhanced bioactivities: Synthesis, crystal structures and DNA cleaving activities of CuII, NiII, ZnII, CoII and MnII complexes derived from 4-carboxy-1-(4-carboxybenzyl) pyridinium bromide. <i>Inorganica Chimica Acta</i> , 2013, 405, 461-469.	2.4	25
24	Sequence-specific fluorometric recognition of HIV-1 ds-DNA with zwitterionic zinc(II)-carboxylate polymers. <i>Journal of Inorganic Biochemistry</i> , 2017, 176, 17-23.	3.5	25
25	Rapid sequential detection of Hg ²⁺ and biothiols by a probe DNA-MOF hybrid sensory system. <i>Journal of Inorganic Biochemistry</i> , 2019, 197, 110690.	3.5	24
26	Synthesis, crystal structures and biological evaluation of water-soluble zinc complexes of zwitterionic carboxylates. <i>Inorganica Chimica Acta</i> , 2011, 376, 389-395.	2.4	22
27	Sequential Ag ⁺ /biothiol and synchronous Ag ⁺ /Hg ²⁺ biosensing with zwitterionic Cu ²⁺ -based metal-organic frameworks. <i>Analyst</i> , 2020, 145, 2779-2788.	3.5	22
28	Isothermal Self-Primer EXponential Amplification Reaction (SPEXPAR) for Highly Sensitive Detection of Single-Stranded Nucleic Acids and Proteins. <i>Analytical Chemistry</i> , 2021, 93, 12707-12713.	6.5	22
29	Smart Hairpins@MnO ₂ Nanosystem Enables Target-Triggered Enzyme-Free Exponential Amplification for Ultrasensitive Imaging of Intracellular MicroRNAs in Living Cells. <i>Analytical Chemistry</i> , 2022, 94, 8014-8023.	6.5	22
30	Bent tritopic carboxylates for coordination networks: clues to the origin of self-penetration. <i>CrystEngComm</i> , 2014, 16, 7722-7730.	2.6	21
31	Reactions of [Hg(Tab) ₂](PF ₆) ₂ [Tab = 4-(trimethylammonio)benzenethiolate] with NaX (X = Cl, NO ₂), Tj ETQq1 1 0.784314 rgBT/Ov... Compounds. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2593-2600.	2.0	19
32	Chemical constituents from <i>Canarium album</i> Raeusch and their anti-influenza A virus activities. <i>Journal of Natural Medicines</i> , 2018, 72, 808-815.	2.3	19
33	A universal catalytic hairpin assembly system for direct plasma biopsy of exosomal PIWI-interacting RNAs and microRNAs. <i>Analytica Chimica Acta</i> , 2022, 1192, 339382.	5.4	18
34	NIR-PTT/ROS-Scavenging/Oxygen-Enriched Synergetic Therapy for Rheumatoid Arthritis by a pH-Responsive Hybrid CeO ₂ -ZIF-8 Coated with Polydopamine. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 3361-3376.	5.2	18
35	Synthesis and potent ionophoric activity of a squaramide-linked bis(choloyl) conjugate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2859-2862.	2.2	17
36	Experimental and computational investigation of a DNA-shielded 3D metal-organic framework for the prompt dual sensing of Ag ⁺ and S ²⁻ . <i>RSC Advances</i> , 2019, 9, 15424-15430.	3.6	17

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55	Convenient synthesis of zwitterionic calcium(II)-carboxylate metal organic frameworks with efficient activities for the treatment of osteoporosis. <i>International Journal of Pharmaceutics</i> , 2021, 608, 121083.	5.2	4
56	Speedy, Specific, Synchronous Sensing Platforms with Ruthenium Complexes for Multiplexed MicroRNA Detection. <i>Inorganic Chemistry</i> , 2019, 58, 15126-15137.	4.0	3
57	An intramolecular DNAzyme-based amplification for miRNA analysis with improving reaction kinetics and high sensitivity. <i>Talanta</i> , 2022, 239, 123137.	5.5	3
58	A Three-Component 1D/2D $\hat{+}$ 2D Interpenetrated Coordination Network: Structure and Gas Adsorption Studies. <i>Australian Journal of Chemistry</i> , 2014, 67, 1391.	0.9	2
59	Construction of hybrid DNAs@CP for the rapid synchronous sensing of multiplex microRNAs based on experimental studies and molecular simulation. <i>Journal of Inorganic Biochemistry</i> , 2020, 208, 111076.	3.5	1
60	Spiro[indene-1,1 $\hat{+}$ -benzo[<i>e</i>]indolin]-2 $\hat{+}$ -one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o9-o9.	0.2	0
61	13c-(2-Chloroethoxy)-1,13c-dihydro-2,3-epoxydibenzo[<i>a,k</i>]xanthan-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o2069-o2069.	0.2	0