

Jin-Xiang Chen

List of Publications by Year in descending order

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61
papers

1,743
citations

257450

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302126

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1703
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	An intramolecular DNAzyme-based amplification for miRNA analysis with improving reaction kinetics and high sensitivity. <i>Talanta</i> , 2022, 239, 123137.	5.5	3
3	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
4	Label-free and highly sensitive APE1 detection based on rolling circle amplification combined with G-quadruplex. <i>Talanta</i> , 2022, 244, 123404.	5.5	10
5	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
6	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
7	AIE-based gold nanostar-berberine dimer nanocomposites for PDT and PTT combination therapy toward breast cancer. <i>Nanoscale</i> , 2022, 14, 9818-9831.	5.6	15
8	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
9	Facile and recyclable dopamine sensing by a label-free terbium(III) metal-organic framework. <i>Talanta</i> , 2021, 221, 121399.	5.5	16
10	A protein triggering exponential amplification reaction enables label- and wash-free one-pot protein assay with high sensitivity. <i>Talanta</i> , 2021, 225, 121980.	5.5	5
11	Selective and recyclable tandem sensing of PO ₄ ³⁻ and Al ³⁺ by a water-stable terbium-based metal-organic framework. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119084.	3.9	12
12	Toehold-mediated ligation-free rolling circle amplification enables sensitive and rapid imaging of messenger RNAs in situ in cells. <i>Analytica Chimica Acta</i> , 2021, 1160, 338463.	5.4	10
13	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
14	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
15	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
16	Sequential Ag ⁺ /biothiol and synchronous Ag ⁺ /Hg ²⁺ biosensing with zwitterionic Cu ²⁺ -based metal-organic frameworks. <i>Analyst</i> , The, 2020, 145, 2779-2788.	3.5	22
17	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
18	Water-Stable Silver-Based Metal-Organic Frameworks of Quaternized Carboxylates and Their Antimicrobial Activity. <i>ACS Applied Bio Materials</i> , 2020, 3, 8525-8531.	4.6	14

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19	Speedy, Specific, Synchronous Sensing Platforms with Ruthenium Complexes for Multiplexed MicroRNA Detection. <i>Inorganic Chemistry</i> , 2019, 58, 15126-15137.	4.0	3
20	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
21	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
22	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
23	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
24	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
25	Phenanthroline-linked berberine dimer and fluorophore-tagged DNA conjugate for the selective detection of microRNA-185: Experimental and molecular docking studies. <i>Analytica Chimica Acta</i> , 2019, 1051, 153-159.	5.4	7
26	Fluorescence sensing platform based on ruthenium(II) complexes as high 3S (sensitivity, specificity, selectivity) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	9.5	12
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	Counterintuitive Solid-State Syntheses of Indium-Thiolate-Phen Cations as Efficient and Selective Fluorescent Biosensors for HIV-1 ds-DNA and Sudan Ebolavirus RNA Sequences. <i>ChemistrySelect</i> , 2016, 1, 2979-2987.	1.5	6
38	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
39	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
40	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
41	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
42	Synthesis and transmembrane anion/cation symport activity of a rigid bis(choloyl) conjugate functionalized with guanidino groups. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 745-748.	2.2	6
43	Five water-soluble zwitterionic copper(II)-carboxylate polymers: role of dipyriddy coligands in enhancing the DNA-binding, cleaving and anticancer activities. <i>Dalton Transactions</i> , 2015, 44, 13369-13377.	3.3	26
44	A novel 3,6-diamino-1,8-naphthalimide derivative as a highly selective fluorescent on-off-probe for thiols. <i>RSC Advances</i> , 2015, 5, 32990-32993.	3.6	8
45	Lanthanide-Based Polymers with Charged Ligand Backbones: Triple-Stranded Chain Structures and their DNA Cleavage Studies. <i>Australian Journal of Chemistry</i> , 2015, 68, 493.	0.9	5
46	A Three-Component 1D/2D + 2D Interpenetrated Coordination Network: Structure and Gas Adsorption Studies. <i>Australian Journal of Chemistry</i> , 2014, 67, 1391.	0.9	2
47	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
48	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
49	Bent tritopic carboxylates for coordination networks: clues to the origin of self-penetration. <i>CrystEngComm</i> , 2014, 16, 7722-7730.	2.6	21
50	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
51	Synthesis, hydrolytic DNA-cleaving activities and cytotoxicities of EDTA analogue-tethered pyrrole-polyamide dimer-based Ce(IV) complexes. <i>European Journal of Medicinal Chemistry</i> , 2014, 87, 168-174.	5.5	15
52	Synthesis and DNA photocleaving activities of ancillary ligand-containing zinc complexes of quaternized carboxylates. <i>Inorganica Chimica Acta</i> , 2014, 409, 195-201.	2.4	15
53	Facile synthesis of a polyether-tethered dimeric berberine as a highly effective DNA-cleaving agent in the presence of Cu(II) ion. <i>MedChemComm</i> , 2013, 4, 1400.	3.4	10
54	Towards polynuclear metal complexes with enhanced bioactivities: Synthesis, crystal structures and DNA cleaving activities of Cu(I), Ni(II), Zn(II), Co(II) and Mn(II) complexes derived from 4-carboxy-1-(4-carboxybenzyl) pyridinium bromide. <i>Inorganica Chimica Acta</i> , 2013, 405, 461-469.	2.4	25

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55	Synthesis, Crystal Structures and DNA-Cleaving Activities of [Cemp] ₂ [MCl ₄] (Cemp=N-Carboxymethyl-1,10-phenanthroline, M=Cu ^{II} ;) Tj ETQq1 1 0378431410 BT / Overlock 10 T	2.2	25
56	Synthesis, characterization and potent DNA-cleaving activity of copper(II)-complexed berberine carboxylate. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 7056-7059.	2.4	22
57	Synthesis, crystal structures and biological evaluation of water-soluble zinc complexes of zwitterionic carboxylates. Inorganica Chimica Acta, 2011, 376, 389-395.	0.2	0
58	Spiro[indene-1,1-benzo[<i>e</i>]indolin]-2-one. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o9-o9.	2.0	10
59	Synthesis and Structure of an Unprecedented Linear Pentanuclear Bismuth(III) Zwitterionic Thiolate Complex. European Journal of Inorganic Chemistry, 2009, 2009, 38-41.	2.0	19
60	Reactions of [Hg(Tab) ₂](PF ₆) ₂ [Tab = 4-(trimethylammonio)benzenethiolate] with NaX (X = Cl, NO ₂ ;) Tj ETQq0 0 0 rgBT / Overlock 10 T Compounds. European Journal of Inorganic Chemistry, 2008, 2008, 2593-2600.	0.2	0
61	13c-(2-Chloroethoxy)-1,13c-dihydro-2,3-epoxydibenzo[<i>a,k</i>]xanthan-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o2069-o2069.		