

Mingchang Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Zn-based metal-organic framework for the irreversible determination of trace biomarkers of styrene and ethylbenzene in urine. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6468.	3.5	3
2	Two Cu(II) and Zn(II) complexes derived from 5-(Pyrazol-1-yl)nicotinic acid: Crystal structure, DNA binding and anticancer studies. <i>Journal of Solid State Chemistry</i> , 2022, 305, 122707.	2.9	10
3	A luminescent sensor based on a Cd ²⁺ complex for the detection of nitrofurantoin antibiotics in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2022, 138, 109220.	3.9	9
4	A novel Zn metal organic framework for the detection of o-nitrophenol, m-nitrophenol, p-nitrophenol. <i>Inorganic Chemistry Communication</i> , 2022, 143, 109724.	3.9	6
5	Luminescent sensors based on coordination polymers with adjustable emissions for detecting biomarker of pollutant ethylbenzene and styrene. <i>Applied Organometallic Chemistry</i> , 2021, 35, .	3.5	9
6	On the redox property of Ag ₁₆ Au ₁₃ clusters: One-way conversion from anionic [Au ₁₃ Ag ₁₆ L ₂₄] ³⁻ to charge neutral [Au ₁₃ Ag ₁₆ L ₂₄]. <i>Journal of Chemical Physics</i> , 2021, 154, 164308.	3.0	6
7	Highly Emissive Metal-Organic Frameworks for Sensitive and Selective Detection of Nitrofurantoin and Quinolone Antibiotics. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1773-1779.	3.3	34
8	Crystal structure, DNA binding, cytotoxicity and anticancer ability of Zn(II) complex constructed by 2-(1,2,4)triazol-1-yl-isonicotinic acid. <i>Inorganic Chemistry Communication</i> , 2021, 128, 108571.	3.9	5
9	A water-stable luminescent sensor based on Cd ²⁺ coordination polymer for detecting nitroimidazole antibiotics in water. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6359.	3.5	12
10	High-efficiency fluorescent probe constructed by Cd(II) complex for detecting nitro compounds and antibiotics. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6414.	3.5	5
11	Three novel spiral chain Nd (III) Eu (III) Sm (III) complexes bridged by 1,1'-(1,4-phenylene)bis [methylene]bis (pyridine-3-carboxylic acid): Synthesis, structural characterization, and antitumor activity. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6427.	3.5	2
12	Controllable self-assembly from homonuclear Mn (II)-MOF to heteronuclear Mn (II)-K(I)-MOF by alkali-regulation: A novel mode of structural and luminescent regulation for off-on sensing ascorbic acid. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6160.	3.5	0
13	Bifunctional luminescent Eu metal-organic framework for sensing nitroaromatic pollutants and Fe ³⁺ ion with high sensitivity and selectivity. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6136.	3.5	9
14	A Water-Stable Tb(III) Metal-Organic Framework with Multiple Fluorescent Centers for Efficient Self-Calibration Sensing Pesticides. <i>ChemistrySelect</i> , 2021, 6, 10481-10488.	1.5	7
15	Logic operation for differentiation and speciation of Fe ³⁺ and Fe ²⁺ based on two-dimensional metal-organic frameworks with tunable emissions. <i>Applied Organometallic Chemistry</i> , 2021, 35, .	3.5	5
16	Three novel metal-organic frameworks with different coordination modes for trace detection of anthrax biomarkers. <i>Dalton Transactions</i> , 2021, 51, 250-256.	3.3	21
17	Synthesis, characterization, DNA binding, cytotoxicity and molecular docking properties of three novel butterfly-like complexes with nitrogen-containing heterocyclic ligands. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5655.	3.5	4
18	Three coordination polymers with regulated coordination interactions as fluorescent sensors for monitoring purine metabolite uric acid. <i>Dalton Transactions</i> , 2020, 49, 4343-4351.	3.3	14

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19	Water-stable Lanthanide Coordination Polymers with Triple Luminescent Centers for Tunable Emission and Efficient Self-calibration Sensing Wastewater Pollutants. <i>Advanced Optical Materials</i> , 2020, 8, 1901659.	7.3	27
20	A Water-stable Lanthanide Coordination Polymer as Multicenter Platform for Ratiometric Luminescent Sensing Antibiotics. <i>Chemistry - A European Journal</i> , 2020, 26, 3137-3144.	3.3	72
21	A Recyclable bifunctional Luminescent Zinc (II) metal-organic framework as highly selective and sensitive sensing probe for nitroaromatic explosives and Fe ³⁺ ions. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5109.	3.5	12
22	Isomeric Effect on the anticancer Behavior of two Zinc (II) complexes based on 3,5-bis(1-imidazolyl)pyridine: Experimental and Theoretical Approach. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4897.	3.5	3
23	Three water soluble coordination polymers: Synthesis, crystal structure and luminescent sensing for Cr(VI) and MnO ₄ ²⁻ ions in the aqueous phase. <i>Polyhedron</i> , 2019, 166, 60-64.	2.2	13
24	Synthesis, characterization, DNA binding and anticancer ability of a Yb (III) complex constructed by 1,4-bis(pyrazol-1-yl)terephthalic acid. <i>Inorganic Chemistry Communication</i> , 2019, 100, 6-10.	3.9	11
25	Two Mn ^{II} , Cu ^{II} complexes derived from 3,5-bis(1-imidazolyl)pyridine: Synthesis, DNA binding, Molecular docking and cytotoxicity studies. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4676.	3.5	4
26	Structure and cytotoxicity of zinc (II) and cobalt (II) complexes based on 1,3,5-tris(1-imidazolyl)benzene. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4734.	3.5	9
27	Four Ni(II), Co(III), Cd(II) complexes based on 5-(pyrazol-1-yl)nicotinic acid: synthesis, X-ray single crystal structure, in vitro cytotoxicity, apoptosis and molecular docking studies. <i>Journal of Coordination Chemistry</i> , 2019, 72, 328-346.	2.2	2
28	A series of novel complexes firstly constructed by 1,4-phenylenedioxydiacetic acid plays a role in disruption of DNA gene expression and induction of apoptosis. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 141-154.	3.5	6
29	Synthesis, characterization, DNA binding, cytotoxicity and molecular docking properties of Cu (II) and Mn (II) complexes with 1,4-bis(pyrazol-1-yl)terephthalic acid. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4469.	3.5	17
30	Two novel dinuclear ellipsoid Ni(II) and Co(II) complexes bridged by 4,5-bis(pyrazol-1-yl)phthalic acid: Synthesis, structural characterization and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2017, 136, 235-245.	5.5	17
31	Synthesis, characterization, DNA interaction, apoptosis and molecular docking of Cu(II) and Mn(II) complexes with <i>endo</i> - <i>cis</i> -5,6-dicarboxylic acid. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3575.	3.5	8
32	Synthesis, structures, molecular docking, cytotoxicity and bioimaging studies of two novel Zn(II) complexes. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 1-11.	5.5	38
33	Spiral frameworks constructed by 1,2-phenylene-dioxydiacetic acid as highly sensitive and selective luminescent probes to detect PO ₄ ³⁻ ions in aqueous solutions. <i>RSC Advances</i> , 2016, 6, 85704-85709.	3.6	17
34	Synthesis, Structure, DNA Binding, and Cleavage of a Zn(II) Complex Constructed by 4,4'-Bipyridine and Phenylacetic Acid. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 1041-1046.	0.6	3
35	The structures, cytotoxicity, apoptosis and molecular docking controlled by the aliphatic chain of palladium(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2016, 157, 34-45.	3.5	23
36	Two new palladium(ii) complexes: synthesis, characterization and their interaction with HeLa cells. <i>Dalton Transactions</i> , 2012, 41, 11187.	3.3	21

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37	Synthesis, characterization, and cytotoxicity in vitro of the complex [Mn (Hptc) (phen) (OH)] n. Life Sciences, 2012, 90, 519-524.	4.3	9
38	Novel palladium(II) complexes containing a sulfur ligand: structure and biological activity on HeLa cells. Journal of Biological Inorganic Chemistry, 2012, 17, 263-274.	2.6	17
39	Synthesis, Characterization, Interaction with DNA, and Cytotoxic Effect in Vitro of New Mono- and Dinuclear Pd(II) and Pt(II) Complexes with Benzo[<i>d</i>]thiazol-2-amine As the Primary Ligand. Inorganic Chemistry, 2011, 50, 4732-4741.	4.0	63
40	Impact of the Aliphatic Dicarboxylate Chain of Novel Dinuclear Palladium(II) Complexes: Synthesis and Biological Evaluation. Chinese Journal of Chemistry, 2010, 28, 213-220.	4.9	2
41	Structure, DNA Binding Studies and Cytotoxicity of Complex [Pd(phen)(<i>L</i>) ₂ ·3H ₂ O]. Chinese Journal of Chemistry, 2009, 27, 1061-1066.	4.9	4
42	Synthesis, Characterization and Biological Activity of an Intramolecular Stacking Zinc(II) Complex. Chinese Journal of Chemistry, 2009, 27, 1285-1290.	4.9	8
43	Structure, DNA Binding Studies of Complex {[Cu(phen)(py)(H ₂ O) ₂] ₂ ·2H ₂ O}·n. Chinese Journal of Chemistry, 2009, 27, 2341-2346.	4.9	2
44	Synthesis, characterization, interaction with DNA and cytotoxicity in vitro of dinuclear Pd(II) and Pt(II) complexes dibridged by 2,2'-azanediyldibenzoic acid. Journal of Inorganic Biochemistry, 2008, 102, 1958-1964.	3.5	100