Mingchang Zhu

List of Publications by Year
in descending order

44 papers	669 citations	687363 13 h-index	610901 24 g-index
44 all docs	44 docs citations	44 times ranked	671 citing authors

#	Article	IF	Citations
1	Synthesis, characterization, interaction with DNA and cytotoxicity in vitro of dinuclear Pd(II) and Pt(II) complexes dibridged by 2,2â€²-azanediyldibenzoic acid. Journal of Inorganic Biochemistry, 2008, 102, 1958-1964.	3.5	100
2	A Waterâ€Stable Lanthanide Coordination Polymer as Multicenter Platform for Ratiometric Luminescent Sensing Antibiotics. Chemistry - A European Journal, 2020, 26, 3137-3144.	3.3	72
3	Synthesis, Characterization, Interaction with DNA, and Cytotoxic Effect in Vitro of New Mono- and Dinuclear Pd(II) and Pt(II) Complexes with Benzo[d]thiazol-2-amine As the Primary Ligand. Inorganic Chemistry, 2011, 50, 4732-4741.	4.0	63
4	Synthesis, structures, molecular docking, cytotoxicity and bioimaging studies of two novel Zn(II) complexes. European Journal of Medicinal Chemistry, 2016, 121, 1-11.	5.5	38
5	Highly Emissive Metalâ€Organic Frameworks for Sensitive and Selective Detection of Nitrofuran and Quinolone Antibiotics. Chemistry - an Asian Journal, 2021, 16, 1773-1779.	3.3	34
6	Waterâ€Stable Lanthanide Coordination Polymers with Triple Luminescent Centers for Tunable Emission and Efficient Selfâ€Calibration Sensing Wastewater Pollutants. Advanced Optical Materials, 2020, 8, 1901659.	7.3	27
7	The structures, cytotoxicity, apoptosis and molecular docking controlled by the aliphatic chain of palladium(II) complexes. Journal of Inorganic Biochemistry, 2016, 157, 34-45.	3.5	23
8	Two new palladium(ii) complexes: synthesis, characterization and their interaction with HeLa cells. Dalton Transactions, 2012, 41, 11187.	3.3	21
9	Three novel metalâ€“organic frameworks with different coordination modes for trace detection of anthrax biomarkers. Dalton Transactions, 2021, 51, 250-256.	3.3	21
10	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
11	Spiral frameworks constructed by 1,2-phenylene-dioxydiacetic acid as highly sensitive and selective luminescent probes to detect PO₄^{3â^’} ions in aqueous solutions. RSC Advances, 2016, 6, 85704-85709.	3.6	17
12	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. European Journal of Medicinal Chemistry, 2017, 136, 235-245.	5.5	17
13	Synthesis, characterization, DNA binding, cytotoxicity and molecular docking properties of Cu (II) and Mn (II) complexes with 1,4â€bis (pyrazolâ€1â€yl) terephthalic acid. Applied Organometallic Chemistry, 2018, 32, e4469.	3.5	17
14	Three coordination polymers with regulated coordination interactions as fluorescent sensors for monitoring purine metabolite uric acid. Dalton Transactions, 2020, 49, 4343-4351.	3.3	14
15	Three water soluble coordination polymers: Synthesis, crystal structure and luminescent sensing for Cr(VI) and MnO4â^’ ions in the aqueous phase. Polyhedron, 2019, 166, 60-64.	2.2	13
16	A Recyclable biâ€functional Luminescent Zinc (II) metalâ€“organic framework as highly selective and sensitive sensing probe for nitroaromatic explosives and Fe³⁺ ions. Applied Organometallic Chemistry, 2019, 33, e5109.	3.5	12
17	A waterâ€stable luminescent sensor based on Cd²⁺ coordination polymer for detecting nitroimidazole antibiotics in water. Applied Organometallic Chemistry, 2021, 35, e6359.	3.5	12
18	Synthesis, characterization, DNA binding and anticancer ability of a Yb (III) complex constructed by 1,4-bis(pyrazol-1-yl)terephthalic acid. Inorganic Chemistry Communication, 2019, 100, 6-10.	3.9	11

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19	Two Cu(II) and Zn(II) complexes derived from 5-(Pyrazol-1-yl)nicotinic acid: Crystal structure, DNA binding and anticancer studies. Journal of Solid State Chemistry, 2022, 305, 122707.	2.9	10
20	Synthesis, characterization, and cytotoxicity in vitro of the complex [Mn (Hptc) (phen) (OH)] n. Life Sciences, 2012, 90, 519-524.	4.3	9
21	Structure and cytotoxicity of zinc (II) and cobalt (II) complexes based on 1,3,5â€tris(1â€imidazolyl) benzene. Applied Organometallic Chemistry, 2019, 33, e4734.	3.5	9
22	Luminescent sensors based on coordination polymers with adjustable emissions for detecting biomarker of pollutant ethylbenzene and styrene. Applied Organometallic Chemistry, 2021, 35, .	3.5	9
23	Bifunctional luminescent Eu metalâ€“organic framework for sensing nitroaromatic pollutants and Fe³⁺ ion with high sensitivity and selectivity. Applied Organometallic Chemistry, 2021, 35, e6136.	3.5	9
24	A luminescent sensor based on a Cd2+ complex for the detection of nitrofuran antibiotics in aqueous solution. Inorganic Chemistry Communication, 2022, 138, 109220.	3.9	9
25	Synthesis, Characterization and Biological Activity of an Intramolecular Stacking Zinc(II) Complex. Chinese Journal of Chemistry, 2009, 27, 1285-1290.	4.9	8
26	Synthesis, characterization, DNA interaction, apoptosis and molecular docking of Cu(II) and Mn(II) complexes with endoâ€norborneneâ€cisâ€5,6â€dicarboxylic acid. Applied Organometallic Chemistry, 2017, 31, e3575.	3.5	8
27	A Waterâ€Stable Tb(III) Metalâ€Organic Framework with Multiple Fluorescent Centers for Efficient Selfâ€Calibration Sensing Pesticides. ChemistrySelect, 2021, 6, 10481-10488.	1.5	7
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. Journal of Inorganic Biochemistry, 2018, 180, 141-154.	3.5	6
29	On the redox property of Ag16Au13 clusters: One-way conversion from anionic [Au13Ag16L24]3â^' to charge neutral [Au13Ag16L24]. Journal of Chemical Physics, 2021, 154, 164308.	3.0	6
30	A novel Zn metal organic framework for the detection of o-nitrophenol, m-nitrophenol, pâ€“nitrophenol. Inorganic Chemistry Communication, 2022, 143, 109724.	3.9	6
31	Crystal structure, DNA binding, cytotoxicity and anticancer ability of Zn(II) complex constructed by 2-(1,2,4)triazol-1-yl-isonicotinic acid. Inorganic Chemistry Communication, 2021, 128, 108571.	3.9	5
32	Highâ€efficiency fluorescent probe constructed by Cd(II) complex for detecting nitro compounds and antibiotics. Applied Organometallic Chemistry, 2021, 35, e6414.	3.5	5
33	Logic operation for differentiation and speciation of Fe³⁺ and Fe²⁺ based on twoâ€dimensional metalâ€“organic frameworks with tunable emissions. Applied Organometallic Chemistry, 2021, 35, .	3.5	5
34	Structure, DNA Binding Studies and Cytotoxicity of Complex [Pd(phen)(Lâ€asp)]Â·3H₂O. Chinese Journal of Chemistry, 2009, 27, 1061-1066.	4.9	4
35	Two Mn^{II}, Cu^{II} complexes derived from 3,5â€bis(1â€imidazoly) pyridine: Synthesis, DNA binding, Molecular docking and cytotoxicity studies. Applied Organometallic Chemistry, 2019, 33, e4676.	3.5	4
36	Synthesis, characterization, DNA binding, cytotoxicity and molecular docking properties of three novel butterflyâ€like complexes with nitrogenâ€containing heterocyclic ligands. Applied Organometallic Chemistry, 2020, 34, e5655.	3.5	4

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37	Synthesis, Structure, DNA Binding, and Cleavage of a Zn(II) Complex Constructed by 4,4'-Bipyridine and Phenylacetic Acid. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 1041-1046.	0.6	3
38	Isomeric Effect on the anticancer Behavior of two Zinc (II) complexes based on 3,5â€bis(1â€imidazoly) pyridine: Experimental and Theoretical Approach. Applied Organometallic Chemistry, 2019, 33, e4897.	3.5	3
39	A Znâ€based metalâ€“organic framework for the irreversible determination of trace biomarkers of styrene and ethylbenzene in urine. Applied Organometallic Chemistry, 2022, 36, e6468.	3.5	3
40	Structure, DNA Binding Studies of Complex {[Cu(phen)(py)(H₂O)₂]Â·2H₂O}_n. Chinese Journal of Chemistry, 2009, 27, 2341-2346.	4.9	2
41	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
42	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. Journal of Coordination Chemistry, 2019, 72, 328-346.	2.2	2
43	Three novel spiral chain Nd (III) Eu (III) Sm (III)complexes bridged by 1,1 '(1,4â€phenyleneâ€bis [methylene])â€bis (pyridineâ€3â€carboxylicaicd): Synthesis, structural characterization, and antitumor activity. Applied Organometallic Chemistry, 2021, 35, e6427.	3.5	2
44	Controllable selfâ€assembly from homonuclear Mn (II)â€MOF to heteronuclear Mn (II)â€K(I)â€MOF by alkaliâ€regulation: A novel mode of structural and luminescent regulation for offâ€“on sensing ascorbic acid. Applied Organometallic Chemistry, 2021, 35, e6160.	3.5	0