

Kang Zheng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Membrane-active La(III) and Ce(III) complexes as potent antibacterial agents: synthesis, characterization, in vitro, in silico, and in vivo studies. <i>Journal of Molecular Structure</i> , 2022, 1249, 131595.	3.6	5
2	Determination of protonation state in molecular salt of minoxidil and 2,4-dihydroxybenzoic acid through a combined experimental and theoretical study: influence of proton transfer on biological activities. <i>Journal of Molecular Structure</i> , 2022, 1249, 131560.	3.6	12
3	DjApi5 is required for homeostasis in planarian <i>Dugesia japonica</i> . <i>Biochemical and Biophysical Research Communications</i> , 2022, 597, 140-146.	2.1	0
4	A rapid classification method of tea products utilizing X-ray photoelectron spectroscopy: Relationship derived from correlation analysis, modeling, and quantum chemical calculation. <i>Food Research International</i> , 2022, 160, 111689.	6.2	7
5	A new mixed-ligand lanthanum(III) complex with salicylic acid and 1,10-phenanthroline: Synthesis, characterization, antibacterial activity, and underlying mechanism. <i>Journal of Molecular Structure</i> , 2021, 1225, 129096.	3.6	23
6	Revisiting stacking interactions in tetrathiafulvalene and selected derivatives using tight-binding quantum chemical calculations and local coupled-cluster method. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 311-320.	1.1	6
7	Elucidating the origin of the toxicity of nano-CeO ₂ to <i>Chlorella pyrenoidosa</i> : the role of specific surface area and chemical composition. <i>Environmental Science: Nano</i> , 2021, 8, 1701-1712.	4.3	9
8	Elucidating the origin of the surface functionalization - dependent bacterial toxicity of graphene nanomaterials: Oxidative damage, physical disruption, and cell autolysis. <i>Science of the Total Environment</i> , 2020, 747, 141546.	8.0	26
9	Crystal structures, thermal stabilities, and dissolution behaviours of tinidazole and the tinidazole-vanillic acid cocrystal: insights from energy frameworks. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 389-397.	0.5	3
10	<i>In Situ</i> 3D-to-2D Transformation of Manganese-Based Layered Silicates for Tumor-Specific T ₁ -Weighted Magnetic Resonance Imaging with High Signal-to-Noise and Excretability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24644-24654.	8.0	11
11	Color tuning of an active pharmaceutical ingredient through cocrystallization: a case study of a metronidazole-pyrogallol cocrystal. <i>CrystEngComm</i> , 2020, 22, 1404-1413.	2.6	19
12	Protein arginine methyltransferase 1 mediates regeneration in <i>Dugesia japonica</i> . <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 411-417.	2.1	2
13	Synergy between SIRT1 and SIRT6 helps recognize DNA breaks and potentiates the DNA damage response and repair in humans and mice. <i>ELife</i> , 2020, 9, .	6.0	49
14	Preparation, characterization, in vitro and in vivo evaluation of metronidazole-gallic acid cocrystal: A combined experimental and theoretical investigation. <i>Journal of Molecular Structure</i> , 2019, 1197, 727-735.	3.6	17
15	Identification and characterization of an atypical RIG-I encoded by planarian <i>Dugesia japonica</i> and its essential role in the immune response. <i>Developmental and Comparative Immunology</i> , 2019, 91, 72-84.	2.3	7
16	Synthesis, structure and in vitro antiproliferative activities of oxamido-bridged dicopper(II) complexes: A comparative study of experimental evidence and molecular docking of DNA/protein binding. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3940.	3.5	4
17	Synthesis and structure of a new trinuclear nickel(II) complex bridged by N,N,N',N'-bis(2-hydroxyphenyl)oxamido: in vitro anticancer activities and reactivities toward DNA and protein. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, 1-11.	3.0	5
18	Synthesis and structure of a new ternary monocopper(II) complex containing mixed ligands of 2,2'-diamino-4,4'-bithiazole and picrate: in vitro anticancer activity, molecular docking and reactivity towards DNA. <i>Applied Organometallic Chemistry</i> , 2016, 30, 730-739.	3.5	7

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19	Inorganic elemental determinations of marine traditional Chinese Medicine <i>Meretricis concha</i> from Jiaozhou Bay: The construction of inorganic elemental fingerprint based on chemometric analysis. <i>Journal of Ocean University of China</i> , 2016, 15, 357-362.	1.2	4
20	Synthesis and structure of new tetracopper(II) complexes with N-benzoate-N ² -[3-(diethylamino)propyl]oxamide as a bridging ligand: The influence of hydrophobicity on enhanced DNA/BSA-binding and anticancer activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 161, 80-90.	3.8	9
21	Synthesis and structure elucidation of new 1/4-oxamido-bridged dicopper(II) complexes showing in vitro anticancer activity: Evaluation of DNA/protein-binding properties by experiment and molecular docking. <i>Journal of Inorganic Biochemistry</i> , 2016, 156, 75-88.	3.5	29
22	Synthesis and structure of new dicopper(II) complexes bridged by N-(2-hydroxy-5-methylphenyl)-N ² -[3-(dimethylamino)propyl]oxamide with in vitro anticancer activity: A comparative study of reactivities towards DNA/protein by molecular docking and experimental assays. <i>European Journal of Medicinal Chemistry</i> , 2016, 109, 47-58.	5.5	18
23	Synthesis and structure elucidation of new 1/4-oxamido-bridged dicopper(II) complex with in vitro anticancer activity: A combined study from experiment verification and docking calculation on DNA/protein-binding property. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 155, 86-97.	3.8	12
24	N-(5-Chloro-2-hydroxyphenyl)-N ² -(3-hydroxypropyl)oxalamide. <i>IUCrData</i> , 2016, 1, .	0.3	0
25	Synthesis and Structure of a New Copper(II) Coordination Polymer Alternately Bridged by Oxamido and Carboxylate Groups: Evaluation of DNA/BSA Binding and Cytotoxic Activities. <i>Journal of Biochemical and Molecular Toxicology</i> , 2015, 29, 360-372.	3.0	3
26	Synthesis and crystal structure of new dicopper(II) complexes having asymmetric N,N ² -bis(substituted)oxamides with DNA/protein binding ability: In vitro anticancer activity and molecular docking studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 149, 129-142.	3.8	24
27	Synthesis and Structure of a Ternary Copper(II) Complex with Mixed Ligands of Diethylenetriamine and Picrate: DNA/Protein Binding Property and In Vitro Anticancer Activity Studies. <i>Journal of Biochemical and Molecular Toxicology</i> , 2015, 29, 221-233.	3.0	7
28	Synthesis and structure of a 1-D copper(II) coordination polymer bridged both by oxamido and carboxylate: in vitro anticancer activity and reactivity toward DNA and protein BSA. <i>Journal of Coordination Chemistry</i> , 2015, 68, 928-948.	2.2	11
29	Synthesis and structure of new dicopper(II) complexes bridged by asymmetric N,N ² -bis(substituted)oxamides: in vitro anticancer activity and molecular docking studies based on bio-macromolecular interaction. <i>RSC Advances</i> , 2015, 5, 51730-51744.	3.6	23
30	Synthesis and structure of a new mononuclear copper(II) complex with 2,2'-bipyridine and picrate: molecular docking, DNA-binding, and in vitro anticancer activity. <i>Journal of Coordination Chemistry</i> , 2014, 67, 630-648.	2.2	25
31	Synthesis and crystal structure of a ternary copper(II) complex of 2,2'-bipyridine and picrate: Molecular docking, reactivity towards DNA and in vitro anticancer activity. <i>Journal of Molecular Structure</i> , 2014, 1058, 97-105.	3.6	15
32	Studies on the effects on growth and antioxidant responses of two marine microalgal species to uniconazole. <i>Journal of Ocean University of China</i> , 2014, 13, 877-882.	1.2	4
33	Construction of inorganic elemental fingerprint and multivariate statistical analysis of marine traditional Chinese medicine <i>Meretricis concha</i> from Rushan Bay. <i>Journal of Ocean University of China</i> , 2014, 13, 712-716.	1.2	4
34	Synthesis, structure and molecular docking studies of dicopper(II) complexes bridged by N-phenolato-N ² -[2-(dimethylamino)ethyl]oxamide: the influence of terminal ligands on cytotoxicity and reactivity towards DNA and protein BSA. <i>New Journal of Chemistry</i> , 2014, 38, 2964-2978.	2.8	114
35	Syntheses and crystal structures of tetracopper(II) complexes bridged by asymmetric N,N ² -bis(substituted)oxamides: Molecular docking, DNA-binding and in vitro anticancer activity. <i>Journal of Inorganic Biochemistry</i> , 2013, 128, 97-107.	3.5	13
36	Synthesis and crystal structure of a new copper(II) complex with N,N ² -(4,4'-bithiazole-2,2'-diyl)diacetimidamide as ligand: Molecular docking, DNA-binding and cytotoxicity activity studies. <i>Journal of Molecular Structure</i> , 2013, 1037, 15-22.	3.6	20

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37	Elemental Fingerprint of Herbal Medicines Formed by Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP - AES). <i>Journal of Engineering Science and Technology Review</i> , 2013, 6, 111-114.	0.4	2
38	N-[3-(Dimethylamino)propyl]-N ² -(2-hydroxy-5-methylphenyl)oxamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o895-o895.	0.2	3
39	Study on elemental fingerprint of traditional marine Chinese medicine oysters from Jiaozhou Bay, China. <i>Journal of Ocean University of China</i> , 2012, 11, 397-400.	1.2	0
40	Synthesis, structure, and DNA-binding studies of a dicopper(II) complex with N-phenolato-N ² -[2-(dimethylamino) ethyl]oxamide as ligand. <i>Journal of Coordination Chemistry</i> , 2011, 64, 1360-1374.	2.2	31
41	Application of ICP-AES with microwave digestion to detect trace elements in oysters from Jiaozhou Bay, China. <i>Journal of Ocean University of China</i> , 2011, 10, 301-304.	1.2	8
42	Te/C coaxial nanocable as a supporting material for loading ultra-high density Pt nanoparticles at room temperature. <i>Applied Surface Science</i> , 2011, 257, 8024-8027.	6.1	1
43	Spontaneous Oxidation Route to Se/Te Alloys Nanorods at Room Temperature. <i>Advanced Materials Research</i> , 2011, 284-286, 680-683.	0.3	0