Kang Zheng

List of Publications by Year
in descending order

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43	593	623734	642732
papers	citations	14 h-index	23 g-index

44	44	44	764
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis, structure and molecular docking studies of dicopper(<scp>ii</scp>) complexes bridged by N-phenolato-Nâ€²-[2-(dimethylamino)ethyl]oxamide: the influence of terminal ligands on cytotoxicity and reactivity towards DNA and protein BSA. New Journal of Chemistry, 2014, 38, 2964-2978.	2.8	114
2	Synergy between SIRT1 and SIRT6 helps recognize DNA breaks and potentiates the DNA damage response and repair in humans and mice. ELife, 2020, 9, .	6.0	49
3	Synthesis, structure, and DNA-binding studies of a dicopper(II) complex with N-phenolato-Nâ€²-[2-(dimethylamino) ethyl]oxamide as ligand. Journal of Coordination Chemistry, 2011, 64, 1360-1374.	2.2	31
4	Synthesis and structure elucidation of new Î¼-oxamido-bridged dicopper(II) complexes showing in vitro anticancer activity: Evaluation of DNA/protein-binding properties by experiment and molecular docking. Journal of Inorganic Biochemistry, 2016, 156, 75-88.	3.5	29
5	Elucidating the origin of the surface functionalization - dependent bacterial toxicity of graphene nanomaterials: Oxidative damage, physical disruption, and cell autolysis. Science of the Total Environment, 2020, 747, 141546.	8.0	26
6	Synthesis and structure of a new mononuclear copper(II) complex with 2,2Ê¹-bipyridine and picrate: molecular docking, DNA-binding, and in vitro anticancer activity. Journal of Coordination Chemistry, 2014, 67, 630-648.	2.2	25
7	Synthesis and crystal structure of new dicopper(II) complexes having asymmetric N,Nâ€²-bis(substituted)oxamides with DNA/protein binding ability: In vitro anticancer activity and molecular docking studies. Journal of Photochemistry and Photobiology B: Biology, 2015, 149, 129-142.	3.8	24
8	Synthesis and structure of new dicopper(<scp>ii</scp>) complexes bridged by asymmetric N,Nâ€²-bis(substituted)oxamides: in vitro anticancer activity and molecular docking studies based on bio-macromolecular interaction. RSC Advances, 2015, 5, 51730-51744.	3.6	23
9	A new mixed-ligand lanthanum(III) complex with salicylic acid and 1,10-phenanthroline: Synthesis, characterization, antibacterial activity, and underlying mechanism. Journal of Molecular Structure, 2021, 1225, 129096.	3.6	23
10	Synthesis and crystal structure of a new copper(II) complex with N,Nâ€²-(4,4â€²-bithiazole-2,2â€²-diyl)diacetimidamide as ligand: Molecular docking, DNA-binding and cytotoxicity activity studies. Journal of Molecular Structure, 2013, 1037, 15-22.	3.6	20
11	Color tuning of an active pharmaceutical ingredient through cocrystallization: a case study of a metronidazoleâ€“pyrogallol cocrystal. CrystEngComm, 2020, 22, 1404-1413.	2.6	19
12	Synthesis and structure of new dicopper(II) complexes bridged by N-(2-hydroxy-5-methylphenyl)-Nâ€²-[3-(dimethylamino)propyl]oxamide with inÂvitro anticancer activity: A comparative study of reactivities towards DNA/protein by molecular docking and experimental assays. European Journal of Medicinal Chemistry, 2016, 109, 47-58.	5.5	18
13	Preparation, characterization, inÂvitro and inÂvivo evaluation of metronidazoleâ€“gallic acid cocrystal: A combined experimental and theoretical investigation. Journal of Molecular Structure, 2019, 1197, 727-735.	3.6	17
14	Synthesis and crystal structure of a ternary copper(II) complex of 2,2â€²-bipyridine and picrate: Molecular docking, reactivity towards DNA and in vitro anticancer activity. Journal of Molecular Structure, 2014, 1058, 97-105.	3.6	15
15	Syntheses and crystal structures of tetracopper(II) complexes bridged by asymmetric N,Nâ€²-bis(substituted)oxamides: Molecular docking, DNA-binding and in vitro anticancer activity. Journal of Inorganic Biochemistry, 2013, 128, 97-107.	3.5	13
16	Synthesis and structure elucidation of new Î¼-oxamido-bridged dicopper(II) complex with in vitro anticancer activity: A combined study from experiment verification and docking calculation on DNA/protein-binding property. Journal of Photochemistry and Photobiology B: Biology, 2016, 155, 86-97.	3.8	12
17	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. Journal of Molecular Structure, 2022, 1249, 131560.	3.6	12
18	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. Journal of Coordination Chemistry, 2015, 68, 928-948.	2.2	11

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19	In Situ 3D-to-2D Transformation of Manganese-Based Layered Silicates for Tumor-Specific T₁-Weighted Magnetic Resonance Imaging with High Signal-to-Noise and Excretability. ACS Applied Materials & Interfaces, 2020, 12, 24644-24654.	8.0	11
20	Synthesis and structure of new tetracopper(II) complexes with N-benzoate-Nâ€²-[3-(diethylamino)propyl]oxamide as a bridging ligand: The influence of hydrophobicity on enhanced DNA/BSA-binding and anticancer activity. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 80-90.	3.8	9
21	Elucidating the origin of the toxicity of nano-CeO2 to Chlorella pyrenoidosa: the role of specific surface area and chemical composition. Environmental Science: Nano, 2021, 8, 1701-1712.	4.3	9
22	Application of ICP-AES with microwave digestion to detect trace elements in oysters from Jiaozhou Bay, China. Journal of Ocean University of China, 2011, 10, 301-304.	1.2	8
23	Synthesis and Structure of a Ternary Copper(II) Complex with Mixed Ligands of Diethylenetriamine and Picrate: DNA/Proteinâ€Binding Property and In Vitro Anticancer Activity Studies. Journal of Biochemical and Molecular Toxicology, 2015, 29, 221-233.	3.0	7
24	Synthesis and structure of a new ternary monocopper(II) complex containing mixed ligands of 2,2â€²â€diaminoâ€4,4â€²â€bithiazole and picrate: in vitro anticancer activity, molecular docking and reactivity towards DNA. Applied Organometallic Chemistry, 2016, 30, 730-739.	3.5	7
25	Identification and characterization of an atypical RIG-I encoded by planarian Dugesia japonica and its essential role in the immune response. Developmental and Comparative Immunology, 2019, 91, 72-84.	2.3	7
26	A rapid classification method of tea products utilizing X-ray photoelectron spectroscopy: Relationship derived from correlation analysis, modeling, and quantum chemical calculation. Food Research International, 2022, 160, 111689.	6.2	7
27	Revisiting stacking interactions in tetrathiafulvalene and selected derivatives using tight-binding quantum chemical calculations and local coupled-cluster method. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 311-320.	1.1	6
28	Synthesis and structure of a new trinuclear nickel(II) complex bridged by Nâ€[3â€(Dimethylamino)propyl]â€Nâ€²â€(2â€hydroxyphenyl)oxamido: in vitro anticancer activities and reactivities toward DNA and protein. Journal of Biochemical and Molecular Toxicology, 2017, 31, 1-11.	3.0	5
29	Membrane-active La(III) and Ce(III) complexes as potent antibacterial agents: synthesis, characterization, in vitro, in silico, and in vivo studies. Journal of Molecular Structure, 2022, 1249, 131595.	3.6	5
30	Studies on the effects on growth and antioxidant responses of two marine microalgal species to uniconazole. Journal of Ocean University of China, 2014, 13, 877-882.	1.2	4
31	Construction of inorganic elemental fingerprint and multivariate statistical analysis of marine traditional Chinese medicine Meretricis concha from Rushan Bay. Journal of Ocean University of China, 2014, 13, 712-716.	1.2	4
32	Inorganic elemental determinations of marine traditional Chinese Medicine Meretricis concha from Jiaozhou Bay: The construction of inorganic elemental fingerprint based on chemometric analysis. Journal of Ocean University of China, 2016, 15, 357-362.	1.2	4
33	Synthesis, structure and in vitro antiproliferative activities of oxamidoâ€bridged dicopper(II) complexes: A comparative study of experimental evidence and molecular docking of DNA/protein binding. Applied Organometallic Chemistry, 2018, 32, e3940.	3.5	4
34	N-[3-(Dimethylamino)propyl]-Nâ€²-(2-hydroxy-5-methylphenyl)oxamide. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o895-o895.	0.2	3
35	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. Journal of Biochemical and Molecular Toxicology, 2015, 29, 360-372.	3.0	3
36	Crystal structures, thermal stabilities, and dissolution behaviours of tinidazole and the tinidazoleâ€“vanillic acid cocrystal: insights from energy frameworks. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 389-397.	0.5	3

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37	Protein arginine methyltransferase 1 mediates regeneration in Dugesia japonica. Biochemical and Biophysical Research Communications, 2020, 524, 411-417.	2.1	2
38	Elemental Fingerprint of Herbal Medicines Formed by Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP - AES). Journal of Engineering Science and Technology Review, 2013, 6, 111-114.	0.4	2
39	Te/C coaxial nanocable as a supporting material for loading ultra-high density Pt nanoparticles at room temperature. Applied Surface Science, 2011, 257, 8024-8027.	6.1	1
40	Spontaneous Oxidation Route to Se/Te Alloys Nanorods at Room Temperature. Advanced Materials Research, 2011, 284-286, 680-683.	0.3	0
41	Study on elemental fingerprint of traditional marine Chinese medicine oysters from Jiaozhou Bay, China. Journal of Ocean University of China, 2012, 11, 397-400.	1.2	0
42	N-(5-Chloro-2-hydroxyphenyl)-Nâ€²-(3-hydroxypropyl)oxalamide. IUCrData, 2016, 1, .	0.3	0
43	DjApi5 is required for homeostasis in planarian Dugesia japonica. Biochemical and Biophysical Research Communications, 2022, 597, 140-146.	2.1	0