Lianzhi Li

List of Publications by Year
in descending order

109 papers	1,498 citations	331670 21 h-index	377865 34 g-index
109 all docs	109 docs citations	109 times ranked	1794 citing authors

#	Article	IF	Citations
1	DNA binding, DNA cleavage and BSA interaction of a mixed-ligand copper(II) complex with taurine Schiff base and 1,10-phenanthroline. Journal of Photochemistry and Photobiology B: Biology, 2013, 125, 56-62.	3.8	101
2	Synthesis, crystal structure and nuclease activity of a Schiff base copper(II) complex. Journal of Inorganic Biochemistry, 2005, 99, 1076-1082.	3.5	76
3	DNA binding, BSA interaction and SOD activity of two new nickel(II) complexes with glutamine Schiff base ligands. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 355-367.	3.8	67
4	Protective effects of mycosporine-like amino acids of Synechocystis sp. PCC 6803 and their partial characterization. Journal of Photochemistry and Photobiology B: Biology, 2007, 86, 240-245.	3.8	66
5	Identification of [PtCl₂(phen)] Binding Modes in Amyloidâ€β Peptide and the Mechanism of Aggregation Inhibition. Chemistry - A European Journal, 2011, 17, 11657-11666.	3.3	65
6	Synthesis of a ratiometric fluorescent peptide sensor for the highly selective detection of Cd2+. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 4014-4017.	2.2	59
7	Facile colorimetric assay of alkaline phosphatase activity using Fe(II)-phenanthroline reporter. Analytica Chimica Acta, 2017, 950, 170-177.	5.4	59
8	Synthesis, crystal structure and interaction of l-valine Schiff base divanadium(V) complex containing a V2O3 core with DNA and BSA. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 106, 155-162.	3.9	45
9	Synthesis, crystal structure, DNA- and albumin-binding properties of a chromium(III) complex with 1,10-phenanthroline and a Schiff base derived from glycine. Transition Metal Chemistry, 2013, 38, 441-448.	1.4	37
10	Electrochemically mediated in situ growth of electroactive polymers for highly sensitive detection of double-stranded DNA without sequence-preference. Biosensors and Bioelectronics, 2018, 101, 1-6.	10.1	36
11	Dansyl-peptide dual-functional fluorescent chemosensor for Hg2+ and biothiols. Dyes and Pigments, 2020, 173, 107888.	3.7	31
12	An unexpected oxovanadium(IV) complex with in situ generated lactone ligand: Synthesis, crystal structure and DNA-binding property. Inorganic Chemistry Communication, 2010, 13, 1166-1169.	3.9	30
13	A peptide-based multifunctional fluorescent probe for Cu²⁺, Hg²⁺ and biothiols. New Journal of Chemistry, 2018, 42, 15770-15777.	2.8	29
14	Synthesis, Characterization, DNAâ€binding Properties and DNA Cleavage of a New Ternary Copper(II) Complex with Mixedâ€ligands of Tridentate Schiff Base and 1,10â€Phenanthroline. Chinese Journal of Chemistry, 2011, 29, 259-266.	4.9	28
15	Regulating the Coordination State of a Heme Protein by a Designed Distal Hydrogenâ€Bonding Network. ChemistryOpen, 2015, 4, 97-101.	1.9	27
16	Synthesis, crystal structure and DNA-binding properties of a new copper(II) complex with l-valine Schiff base and 1,10-phenanthroline. Journal of Molecular Structure, 2011, 986, 57-63.	3.6	26
17	Conversion of Human Neuroglobin into a Multifunctional Peroxidase by Rational Design. Inorganic Chemistry, 2021, 60, 2839-2845.	4.0	24
18	Role of soluble ceruloplasmin in iron uptake by midbrain and hippocampus neurons. Journal of Cellular Biochemistry, 2006, 98, 912-919.	2.6	23

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19	Multifunctional peptideâ€based fluorescent chemosensor for detection of Hg²⁺, Cu²⁺ and S^{2â^'} ions. Luminescence, 2019, 34, 585-594.	2.9	23
20	Five Lanthanide-Based Metalâ€“Organic Frameworks Built from a Ï€-Conjugated Ligand with Isophthalate Units Featuring Sensitive Fluorescent Sensing for DMF and Acetone Molecules. Crystal Growth and Design, 2021, 21, 2954-2961.	3.0	23
21	A copper(II) complex of the Schiff base from l-valine and 2-hydroxy-1-naphthalidene plus 1,10-phenanthroline: synthesis, crystal structure, and DNA interaction. Transition Metal Chemistry, 2012, 37, 175-182.	1.4	22
22	Synthesis, structure and spectroscopic studies on DNA binding, BSA interaction of a nickel(II) complex containing<scp>l</scp>â€“methionine Schiff base and 1,10-phenanthroline. Journal of Coordination Chemistry, 2016, 69, 2437-2453.	2.2	21
23	Ultrasensitive Detection of DNA via SI-eRAFT and in Situ Metalization Dual-Signal Amplification. Analytical Chemistry, 2019, 91, 9198-9205.	6.5	21
24	A biomimetic enzyme modified electrode for H₂O₂ highly sensitive detection. Analyst, The, 2015, 140, 7792-7798.	3.5	20
25	Synthesis, Structure, DNA Interaction, and SOD Activity of Three Nickel(II) Complexes Containing L-Phenylalanine Schiff Base and 1,10-Phenanthroline. Bioinorganic Chemistry and Applications, 2018, 2018, 1-16.	4.1	19
26	Reversal of P-glycoprotein-mediated multidrug resistance by novel curcumin analogues in paclitaxel-resistant human breast cancer cells. Biochemistry and Cell Biology, 2020, 98, 484-491.	2.0	19
27	Study on the influence of oxidative stress on the fibrillization of fibrinogen. Biochemical Journal, 2016, 473, 4373-4384.	3.7	18
28	Synthesis, crystal structures, DNA binding and cleavage studies of two oxovanadium(IV) complexes of 1,10-phenanthroline and Schiff bases derived from tryptophan. Transition Metal Chemistry, 2012, 37, 783-790.	1.4	17
29	Synthesis of Amino Acid Schiff Base Nickel (II) Complexes as Potential Anticancer Drugs In Vitro. Bioinorganic Chemistry and Applications, 2020, 2020, 1-15.	4.1	17
30	A ternary copper(II) complex for supramolecular assembly with double helices: synthesis, crystal structure, DNA-binding and DNA-cleavage properties. Transition Metal Chemistry, 2011, 36, 289-295.	1.4	15
31	Synthesis, crystal structure, and DNA interaction of an oxovanadium(IV) complex containing L-valine Schiff base and 1,10-phenanthroline. Journal of Coordination Chemistry, 2013, 66, 520-529.	2.2	15
32	Detection of sequence-specific DNA with a morpholino-functionalized silicon chip. Analytical Methods, 2015, 7, 2406-2412.	2.7	15
33	Elucidation of binding mechanism of dibutyl phthalate on bovine serum albumin by spectroscopic analysis and molecular docking method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118044.	3.9	14
34	Ultrasensitive electrochemical detection of miRNA based on polymerization signal amplification. Talanta, 2021, 235, 122744.	5.5	14
35	Synthesis, characterization and crystal structure of oxovanadium(IV) complex with tridentate o-van-gly and bidentate phenanthroline. Journal of Chemical Crystallography, 2005, 35, 263-267.	1.1	13
36	An oxovanadium(IV) complex of an l-serine Schiff base and 1,10-phenanthroline: synthesis, crystal structure, and DNA and albumin-binding properties. Transition Metal Chemistry, 2014, 39, 271-280.	1.4	13

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37	Synthesis, crystal structure, and interaction with DNA and BSA of a chromium(III) complex with naph-gly Schiff base and 1,10-phenanthroline. Journal of Coordination Chemistry, 2015, 68, 1040-1053.	2.2	13
38	Enhancement of protein stability by an additional disulfide bond designed in human neuroglobin. RSC Advances, 2019, 9, 4172-4179.	3.6	13
39	Hybrid silver haloplumbates containing metal complexes: Syntheses, structures and photoelectric properties. Journal of Solid State Chemistry, 2022, 308, 122912.	2.9	13
40	Methyl Orange removal by a novel PEI-AuNPs-hemin nanocomposite. Journal of Environmental Sciences, 2017, 53, 278-283.	6.1	12
41	Electrodeposition of Threeâ€Dimensional Network Nanostructure PEDOT/PANI for Simultaneous Voltammetric Detection of Ascorbic Acid, Dopamine and Uric Acid. ChemistrySelect, 2020, 5, 1288-1293.	1.5	11
42	(2,2â€²-Bipyridine-κ2N,Nâ€²)[N-(2-oxido-1-naphthylidene)threoninato-κ3O1,N,O2]copper(II). Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m745-m746.	0.2	11
43	Naturally Occurring I81N Mutation in Human Cytochrome c Regulates Both Inherent Peroxidase Activity and Interactions with Neuroglobin. ACS Omega, 2022, 7, 11510-11518.	3.5	11
44	Synthesis and crystal structure of two vanadium(V) hydroxylamido complexes with amino acid ligands. Journal of Chemical Crystallography, 2004, 34, 585-590.	1.1	10
45	Tetrakis(μ3-2-{[1,1-bis(hydroxymethyl)-2-oxidoethyl]iminomethyl}-6-methoxyphenolato)tetranickel(II) tetrahydrate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m675-m676.	0.2	10
46	Spectroscopic study on acid-induced unfolding and refolding of apo-neuroglobin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 1600-1604.	3.9	10
47	Expression, purification and spectra characterization of neuroglobin. Science Bulletin, 2005, 50, 1708.	1.7	9
48	Ligand orientation of human neuroglobin obtained from solution NMR and molecular dynamics simulation as compared with X-ray crystallography. Journal of Inorganic Biochemistry, 2009, 103, 1693-1701.	3.5	9
49	Synthesis, crystal structure, and DNA interaction studies of a mixed-ligand copper(II) complex of 1,10-phenanthroline and a Schiff base derived from isoleucine. Transition Metal Chemistry, 2011, 36, 565-571.	1.4	9
50	Spectroscopic Studies on Unfolding Processes of Apo-Neuroglobin Induced by Guanidine Hydrochloride and Urea. BioMed Research International, 2013, 2013, 1-7.	1.9	9
51	Neuroglobin is capable of self-oxidation of methionine64 introduced at the heme axial position. Dalton Transactions, 2018, 47, 10847-10852.	3.3	9
52	Highly sensitive detection of sequence-specific DNA with morpholino-functionalized magnetic microspheres. Analytical Methods, 2015, 7, 6712-6717.	2.7	8
53	A Highly Selective and Sensitive Peptide-Based Fluorescent Ratio Sensor for Ag+. Journal of Fluorescence, 2021, 31, 237-246.	2.5	8
54	Interaction between Platinum Complexes and the C-Terminal Motif of Human Copper Transporter 1. Inorganic Chemistry, 2013, 52, 6153-6159.	4.0	7

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55	Synthesis of a heptapeptide and its application in the detection of mercury(II) ion. Chemical Research in Chinese Universities, 2017, 33, 155-159.	2.6	7
56	Coenzymeâ”catalyzed electroinitiated reversible addition fragmentation chain transfer polymerization for ultrasensitive electrochemical DNA detection. Talanta, 2022, 236, 122840.	5.5	7
57	Click chemistry-based aptasensor for highly sensitive electrochemical detection of thrombin. Analytical Methods, 2017, 9, 3825-3830.	2.7	7
58	Sensitive electrochemiluminescence analysis of lung cancer marker miRNA-21 based on RAFT signal amplification. Chemical Communications, 2022, 58, 1701-1703.	4.1	7
59	Synthesis and biological evaluation of six L-tryptophan Schiff base copper(II) complexes as promising anticancer agents in vitro. Journal of Molecular Structure, 2022, 1256, 132578.	3.6	7
60	Circular dichroism spectral studies on the recombinant human neuroglobin. Science Bulletin, 2006, 51, 2581-2585.	1.7	6
61	Tetrakis(Î¼₃-2-{[1,1-bis(hydroxymethyl)-2-oxidoethyl]iminomethyl}phenolato)tetracopper(II). Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m2300-m2300.	0.2	6
62	BisPNAâ€assisted Detection of Doubleâ€stranded DNA via Electrochemical Impedance Spectroscopy. Electroanalysis, 2019, 31, 160-166.	2.9	6
63	A dual signal amplification strategy combining thermally initiated SI-RAFT polymerization and DNA-templated silver nanoparticles for electrochemical determination of DNA. Mikrochimica Acta, 2020, 187, 35.	5.0	6
64	A highly sensitive assay for matrix metalloproteinase 2 via signal amplification strategy of eATRP. Microchemical Journal, 2021, 164, 106015.	4.5	6
65	A highly selective and sensitive Zn2+ fluorescent sensor based on zinc finger-like peptide and its application in cell imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 261, 120042.	3.9	6
66	Design and engineering of neuroglobin to catalyze the synthesis of indigo and derivatives for textile dyeing. Molecular Systems Design and Engineering, 2022, 7, 239-247.	3.4	6
67	Tetrakis{Î¼3-1-[(2-oxidoethyl)iminomethyl]-2-naphtholato}tetracopper(II). Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m1501-m1502.	0.2	5
68	Aqua{6,6â€²-dimethoxy-2,2â€²-[ethane-1,2-diylbis(nitrilomethylidyne)]diphenolato}nickel(II). Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m1158-m1159.	0.2	5
69	An oxovanadium(IV) complex with o-vanillin-valine Schiff base and 1,10-phenanthroline ligands: synthesis, crystal structure and DNA interactions. Transition Metal Chemistry, 2014, 39, 605-611.	1.4	5
70	Study on the oxidation of fibrinogen using Fe3O4 magnetic nanoparticles and its influence to the formation of fibrin. Journal of Inorganic Biochemistry, 2018, 189, 58-68.	3.5	5
71	Synthesis, Crystal Structure and Interactions with DNA and BSA of a Oxovanadium(IV) Complex [VO(o-Van-Asn)(Phen)]Â·1.5CH3OH. Acta Chimica Sinica, 2012, 70, 1617.	1.4	5
72	Bis[2-(2-hydroxyethyliminomethyl)-6-methoxyphenolato-Î²2N,O1]zinc(II). Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m1992-m1992.	0.2	4

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73	1-(Hydroxyiminomethyl)-2-naphthol. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o568-o568.	0.2	4
74	{N-[(2-Oxido-1-naphthyl)methylidene]serinato-Î¹³O,N,Oâ€²}(1,10-phenanthroline-Î¹²<su Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m516-m516.	0.2	4
75	The Xâ€ray crystal structure of human <scp>A15C</scp> neuroglobin reveals both native/de novo disulfide bonds and unexpected ligandâ€binding sites. Proteins: Structure, Function and Bioinformatics, 2022, 90, 1152-1158.	2.6	4
76	Aqua[N,Nâ€²-ethylenebis(o-vanillylideniminato-Î¹2N,O)]oxovanadium(IV) monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m2244-m2246.	0.2	3
77	Bis[1-(1-naphthyliminomethyl)-2-naphtholato-Î¹2N,O]copper(II). Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m1059-m1060.	0.2	3
78	{2-(4-Hydroxyphenyl)-2-[(3-methoxy-2-oxidobenzylidene)amino-Î¹²O²,N]propanoato-Î¹O dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m465-m466.	0.2	3
79	(Acetato-Î¹O)bis(1,10-phenanthroline-Î¹²N,Nâ€²)copper(II) acetate heptahydrate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m464-m464.	0.2	3
80	Fluorescence spectra of human neuroglobin. Spectroscopy Letters, 2018, 51, 17-21.	1.0	3
81	A chiral binuclear nickel(II) complex with Schiff base ligand: synthesis, crystal structure, DNA/BSA binding interactions and SOD activity. Transition Metal Chemistry, 2020, 45, 381-390.	1.4	3
82	(Methoxo-Î¹O)oxidobis(quinolin-8-olato-Î¹²N,O)vanadium(V). Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m1075-m1075.	0.2	3
83	Pentaaquaoxovanadium(IV) bis(sulfonatosalicylic acid) dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, m1374-m1375.	0.2	2
84	(2,2â€²-Bipyridine-Î¹2N,Nâ€²)oxo(N-vanillylidenetyrosinato-Î¹3O,N,Oâ€²)vanadium(IV) methanol solvate monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m2106-m2108.	0.2	2
85	[2-(3-Methoxy-2-oxidobenzylideneamino)phenolato-Î¹3O,N,Oâ€²](1,10-phenanthroline-Î¹2N,Nâ€²)copper(II) methanol solvate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m1578-m1578.	0.2	2
86	(Methanol-Î¹O)(methanolato-Î¹O)oxido[N-(2-oxidobenzylidene)phenylalaninato-Î¹3O,N,Oâ€²]vanadium(V). Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m274-m274.	0.2	2
87	[N-(3-Methoxy-2-oxidobenzylidene-Î¹O2)threoninato-Î¹2O1,N](1,10-phenanthroline-Î¹2N,Nâ€²)copper(II) hemihydrate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m536-m536.	0.2	2
88	Bis[Î¼-N-(3-methoxy-2-oxidobenzylidene-1:2Î¹2O2:O2)-L-isoleucinato-2Î¹2N,O]bis(1,10-phenanthroline-1Î¹2N,Nâ€²)dinickel(II) methanol tetrasolvate trihydrate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m371-m372.	0.2	2
89	Interaction Between Neuroglobin and Caffeine by Multispectroscopic Methods. Spectroscopy Letters, 2013, 46, 433-440.	1.0	2
90	Highly Sensitive Thrombin Detection by Combination of Click Chemistry and Surface-Initiated Polymerization. Journal of the Electrochemical Society, 2019, 166, B1387-B1391.	2.9	2

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91	Synthesis, crystal structure, Hirshfeld surface analysis, DNA binding, DNA cleavage activity and molecular docking of a new Schiff base nickel(II) complex. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5224-5234.	3.5	2
92	Ultrasensitive mercury ion and biothiol detection based on Dansyl-His-Pro-Gly-Asp-NH2 fluorescent sensor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 250, 119246.	3.9	2
93	Bis[1-(2-naphthyliminomethyl)-2-naphtholato-Î²2N,O]copper(II). Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m1049-m1049.	0.2	2
94	Di-Î¼-oxido-bis[(4-formyl-2-methoxyphenolato-Î²O1)oxido(1,10-phenanthroline-Î²2N,Nâ€²)vanadium(V)]. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m1114-m1114.	0.2	2
95	Bis[2-(1-naphthyliminomethyl)phenolato-Î²2N,O]copper(II). Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m1375-m1376.	0.2	1
96	Bis[2-(2-naphthyliminomethyl)phenolato-Î²2N,O]zinc(II). Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m1731-m1731.	0.2	1
97	[N-(3-Methoxy-2-oxidobenzylidene-Î²O2)leucinato-Î²2N,O](1,10-phenanthroline-Î²2N,Nâ€²)copper(II) monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m1553-m1553.	0.2	1
98	(Methanol-Î²O)(methanolato-Î²O)oxido[N-(2-oxidobenzylidene)isoleucinato-Î²3O,N,Oâ€²]vanadium(V). Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m982-m982.	0.2	1
99	Multispectroscopic Study of the Interaction of Chloramphenicol with Human Neuroglobin. Spectroscopy, 2012, 27, 143-154.	0.8	1
100	Expression, purification and characterization of the soluble CuA domain of cytochrome c oxidase ofParacoccus versutus. Science Bulletin, 2001, 46, 1608-1611.	1.7	0
101	Crystal structure of (1,10-phenanthroline-k2N,N')oxo(N-salicylideneisoleucinato-k3O,N,O')vanadium(IV), VO(C12H8N2)(C13H15NO3). Zeitschrift Fur Kristallographie - New Crystal Structures, 2006, 221, 520-522.	0.3	0
102	(1-Formyl-2-naphtholato-Î²2O,Oâ€²)dioxo(1,10-phenanthroline-Î²2N,Nâ€²)vanadium(V) dichloromethane 0.25-solvate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m1458-m1460.	0.2	0
103	Di-Î¼-chlorido-bis(chlorido{2-[(2-hydroxyphenyl)iminiomethyl]-6-methoxyphenolato-Î²2O,Oâ€²}cadium(II)) methanol disolvate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m2206-m2207.	0.2	0
104	2â€²-(2-Hydroxyethoxy)-1,1â€²-biphenyl-2-ol. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4089-o4089.	0.2	0
105	Synthesis and Crystal Structure of (2,2-Bipyridine)(N-o-vanillylidenevalinato)copper(II). Analytical Sciences: X-ray Structure Analysis Online, 2008, 24, X41-X42.	0.1	0
106	Oxido{N-[(2-oxido-1-naphthyl-Î²O)methylidene]asparaginato-Î²2O1,N2}(1,10-phenanthroline-Î²2N,Nâ€²)vanadium(IV)N,N-dimethylforma monosolvate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m1051-m1051.	0.2	0
107	Oxido[N-(2-oxidobenzylidene-Î²O)leucinato-Î²2N,O](1,10-phenanthroline-Î²2N,Nâ€²)vanadium(IV). Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m907-m907.	0.2	0
108	Analysis and Improvement on the Quality Problem of Gearbox. , 2014, , .		0

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109	Study on the interaction between Fe³⁺and fibrinogen and its influence on the polymerization behavior of fibrin networks. RSC Advances, 2016, 6, 75207-75214.	3.6	0