

# Changlin Liu

## List of Publications by Year in descending order

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47  
papers

1,694  
citations

331670

21  
h-index

276875

41  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2103  
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA hydrolysis promoted by di- and multi-nuclear metal complexes. <i>Coordination Chemistry Reviews</i> , 2004, 248, 147-168.	18.8	429
2	DNA hydrolytic cleavage catalyzed by synthetic multinuclear metallonucleases. <i>Dalton Transactions</i> , 2009, , 227-239.	3.3	101
3	DNA Hydrolytic Cleavage by the Diiron(III) Complex Fe <sub>2</sub> (DTPB)( <sup>1</sup> / <sub>4</sub> -O)( <sup>1</sup> / <sub>4</sub> -Ac)Cl(BF <sub>4</sub> ) <sub>2</sub> : A Comparison with Other Binuclear Transition Metal Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 913-922.	4.0	97
4	Intra- and intermolecular self-assembly of a 20-nm-wide supramolecular hexagonal grid. <i>Nature Chemistry</i> , 2020, 12, 468-474.	13.6	88
5	Supersnowflakes: Stepwise Self-Assembly and Dynamic Exchange of Rhombus Star-Shaped Supramolecules. <i>Journal of the American Chemical Society</i> , 2017, 139, 8174-8185.	13.7	76
6	Selective recognition of parallel and anti-parallel thrombin-binding aptamer G-quadruplexes by different fluorescent dyes. <i>Nucleic Acids Research</i> , 2014, 42, 11612-11621.	14.5	64
7	Dinuclear Copper(II) Complexes of a Polybenzimidazole Ligand: Their Structures and Inductive Roles in DNA Condensation. <i>Inorganic Chemistry</i> , 2008, 47, 6572-6574.	4.0	53
8	Dinuclear metal(II) complexes of polybenzimidazole ligands as carriers for DNA delivery. <i>Biomaterials</i> , 2010, 31, 1380-1391.	11.4	50
9	Direct Self-Assembly of a 2D and 3D Star of David. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5258-5262.	13.8	44
10	Composite quantum dots detect Cd(II) in living cells in a fluorescence "turning on" mode. <i>Journal of Materials Chemistry</i> , 2012, 22, 2507-2511.	6.7	42
11	Faster and More Specific: Excited-State Intramolecular Proton Transfer-Based Dyes for High-Fidelity Dynamic Imaging of Lipid Droplets within Cells and Tissues. <i>Analytical Chemistry</i> , 2020, 92, 10342-10349.	6.5	40
12	The rational design of specific SOD1 inhibitors via copper coordination and their application in ROS signaling research. <i>Chemical Science</i> , 2016, 7, 6251-6262.	7.4	37
13	Direct Self-Assembly of a 2D and 3D Star of David. <i>Angewandte Chemie</i> , 2017, 129, 5342-5346.	2.0	36
14	Ratiometric Fluorescent Probe for Monitoring Endogenous Methylglyoxal in Living Cells and Diabetic Blood Samples. <i>Analytical Chemistry</i> , 2019, 91, 5646-5653.	6.5	34
15	Nucleic acid-mediated protein aggregation and assembly. <i>Advances in Protein Chemistry and Structural Biology</i> , 2011, 84, 1-40.	2.3	33
16	An ESIPT fluorescent probe sensitive to protein $\alpha$ -helix structures. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5250-5259.	2.8	33
17	The effect of a nuclear localization sequence on transfection efficacy of genes delivered by cobalt(II)-polybenzimidazole complexes. <i>Biomaterials</i> , 2012, 33, 7884-7894.	11.4	32
18	Tris(benzimidazolyl)amine-Cu(II) coordination units bridged by carboxylates: structures and DNA-condensing property. <i>Dalton Transactions</i> , 2011, 40, 12846.	3.3	31

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19	Visualization of Sulfane Sulfur in Plants with a Near-Infrared Fluorescent Probe. <i>ACS Sensors</i> , 2019, 4, 434-440.	7.8	31
20	The metal site as a template for the metalloprotein structure formation. <i>Journal of Inorganic Biochemistry</i> , 2002, 88, 77-86.	3.5	29
21	A novel 3-Hydroxychromone fluorescence sensor for intracellular Zn <sup>2+</sup> and its application in the recognition of prostate cancer cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 129-136.	7.8	23
22	A new function of copper zinc superoxide dismutase: as a regulatory DNA-binding protein in gene expression in response to intracellular hydrogen peroxide. <i>Nucleic Acids Research</i> , 2019, 47, 5074-5085.	14.5	23
23	The Specific Inhibition of SOD1 Selectively Promotes Apoptosis of Cancer Cells via Regulation of the ROS Signaling Network. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-21.	4.0	22
24	Self-Assembly of Tetrameric and Hexameric Terpyridine-Based Macrocycles Using Cd(II), Zn(II), and Fe(II). <i>Inorganic Chemistry</i> , 2018, 57, 3548-3558.	4.0	21
25	DNA Is a Template for Accelerating the Aggregation of Copper, Zinc Superoxide Dismutase. <i>Biochemistry</i> , 2007, 46, 5911-5923.	2.5	20
26	Engineering oxygen vacancy of MoO <sub>x</sub> nanoenzyme by Mn doping for dual-route cascaded catalysis mediated high tumor eradication. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 155-167.	9.4	19
27	Divalent-metal-dependent nucleolytic activity of Cu, Zn superoxide dismutase. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 835-848.	2.6	15
28	Metal-polybenzimidazole complexes as a nonviral gene carrier: Effects of the DNA affinity on gene delivery. <i>Journal of Inorganic Biochemistry</i> , 2013, 129, 102-111.	3.5	15
29	Roles of exogenous divalent metals in the nucleolytic activity of Cu,Zn superoxide dismutase. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 667-677.	3.5	14
30	Nucleic acid induced protein aggregation and its role in biology and pathology. <i>Frontiers in Bioscience - Landmark</i> , 2009, 14, 5084.	3.0	14
31	Stepwise Self-Assembly and Dynamic Exchange of Supramolecular Nanocages Based on Terpyridine Building Blocks. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800404.	3.9	13
32	Recognition of Secondary Structures in Proteins by a Diiron(III) Complex via a Hydrolytic Pathway. <i>Inorganic Chemistry</i> , 2006, 45, 490-492.	4.0	12
33	Cobalt(II)-Polybenzimidazole Complexes as a Nonviral Gene Carrier: Effects of Charges and Benzimidazolyl Groups. <i>Current Drug Delivery</i> , 2013, 10, 122-133.	1.6	12
34	Polyanion binding accelerates the formation of stable and low-toxic aggregates of ALS-linked SOD1 mutant A <sub>4</sub> V. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 3356-3372.	2.6	11
35	The application of flavonoid derivatives as redox-responsive fluorescent probes in hydrophobic microenvironment. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 144-152.	7.8	11
36	DNA-Triggered Aggregation of Copper, Zinc Superoxide Dismutase in the Presence of Ascorbate. <i>PLoS ONE</i> , 2010, 5, e12328.	2.5	10

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37	One-Pot Synthetic Route to a Class of Polydentate Pyridylphosphines. <i>Synthetic Communications</i> , 2005, 35, 1889-1895.	2.1	8
38	Polymorphism of the SOD1-DNA aggregation species can be modulated by DNA. <i>Biopolymers</i> , 2008, 89, 1154-1169.	2.4	8
39	The conjugation of rhodamine B enables carrier-free mitochondrial delivery of functional proteins. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6829-6839.	2.8	8
40	Detection of hydrogen sulphide based on a novel G-quadruplex selective fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 308-313.	7.8	7
41	A DNA G-quadruplex converts SOD1 into fibrillar aggregates. <i>Chinese Chemical Letters</i> , 2021, 32, 2322-2326.	9.0	7
42	A Simple Zn <sup>2+</sup> Complex-Based Composite System for Efficient Gene Delivery. <i>PLoS ONE</i> , 2016, 11, e0158766.	2.5	7
43	Synthesis and crystal structure of a heterobinuclear complex [(PhPPy <sub>2</sub> ) <sub>2</sub> PdCuCl <sub>2</sub> ](ClO <sub>4</sub> ) (PhPPy <sub>2</sub> =bis(2-pyridyl)phenylphosphine). <i>Journal of Coordination Chemistry</i> , 2005, 58, 1485-1491.	2.2	6
44	Ultraviolet light triggers the conversion of Cu <sup>2+</sup> -bound A $\beta$ <sup>242</sup> aggregates into cytotoxic species in a copper chelation-independent manner. <i>Scientific Reports</i> , 2015, 5, 13897.	3.3	3
45	Site-Mutation of Hydrophobic Core Residues Synchronically Poise Super Interleukin 2 for Signaling: Identifying Distant Structural Effects through Affordable Computations. <i>International Journal of Molecular Sciences</i> , 2018, 19, 916.	4.1	2
46	Stepwise Self-Assembly and Dynamic Exchange of Supramolecular Snowflakes. <i>Israel Journal of Chemistry</i> , 2019, 59, 237-247.	2.3	2
47	Ultraviolet irradiation-mediated formation of A $\beta$ <sup>242</sup> oligomers and reactive oxygen species in Zn <sup>2+</sup> -bound A $\beta$ <sup>242</sup> aggregates irrespective of the removal of Zn <sup>2+</sup> . <i>New Journal of Chemistry</i> , 2016, 40, 9385-9394.	2.8	1