Hao Zhang

List of Publications by Year
in descending order

26 papers	421 citations	933447 10 h-index	752698 20 g-index
30 all docs	30 docs citations	30 times ranked	491 citing authors

#	Article	IF	Citations
1	Small Molecule-Based Highly Active and Selective K⁺ Transporters with Potent Anticancer Activities. Nano Letters, 2021, 21, 1384-1391.	9.1	18
2	Tricking enzymes in living cells: a mechanism-based strategy for design of DNA topoisomerase biosensors. Journal of Nanobiotechnology, 2021, 19, 407.	9.1	3
3	Enhancing K⁺ transport activity and selectivity of synthetic K⁺ channels via electron-donating effects. Chemical Communications, 2020, 56, 1211-1214.	4.1	20
4	Buckyball-Based Spherical Display of Crown Ethers for De Novo Custom Design of Ion Transport Selectivity. Journal of the American Chemical Society, 2020, 142, 21082-21090.	13.7	35
5	Cancer Biomarker-Triggered Disintegrable DNA Nanogels for Intelligent Drug Delivery. Nano Letters, 2020, 20, 8399-8407.	9.1	33
6	Graphene Quantum Dot-Based Nanocomposites for Diagnosing Cancer Biomarker APE1 in Living Cells. ACS Applied Materials & Interfaces, 2020, 12, 13634-13643.	8.0	58
7	DNA Binding and Cleavage Modes of Shishijimicin A. Journal of the American Chemical Society, 2019, 141, 7842-7852.	13.7	20
8	Quantitative determination of linking number differences between circular polynucleosomes and histone H1-bound circular polynucleosomes. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 537-540.	2.2	3
9	Versatile Types of DNA-Based Nanobiosensors for Specific Detection of Cancer Biomarker FEN1 in Living Cells and Cell-Free Systems. Nano Letters, 2018, 18, 7383-7388.	9.1	57
10	Dataset on the effects of spermidine on linking number differences between histone H1-free and histone H1-bound circular polynucleosomes. Data in Brief, 2018, 17, 709-715.	1.0	1
11	Effects of spermidine and ATP on stabilities of chromatosomes and histone H1-depleted chromatosomes. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1149-1153.	2.2	6
12	Presence of negative supercoiling in aggregates of histone H1-plasmidic polynucleosome complexes. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 168-170.	2.2	4
13	Design and examination of potent pseudosubstrate-based oligonucleotide inhibitors against bacterial topoisomerase IV. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4817-4822.	2.2	0
14	Investigation of human flap structure-specific endonuclease 1 (FEN1) activity on primer-template models and exploration of a substrate-based FEN1 inhibitor. Bioorganic and Medicinal Chemistry, 2016, 24, 1988-1992.	3.0	13
15	Chemical modifications of ricinolein in castor oil and methyl ricinoleate for viscosity reduction to facilitate their use as biodiesels. European Journal of Lipid Science and Technology, 2016, 118, 651-657.	1.5	11
16	Enrichment of omega-3 fatty acids in cod liver oil via alternate solvent winterization and enzymatic interesterification. Food Chemistry, 2016, 199, 364-371.	8.2	35
17	Topoisomerase-Based Preparation and AFM Imaging of Multi-Interlocked Circular DNA. Bioconjugate Chemistry, 2016, 27, 616-620.	3.6	10
18	An Alternative Method for Evaluating Stabilities of DNA Hairpin Structures. Bulletin of the Chemical Society of Japan, 2015, 88, 1314-1316.	3.2	3

#	Article	IF	Citations
19	Disintegration of cruciform and G-quadruplex structures during the course of helicase-dependent amplification (HDA). Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1709-1714.	2.2	7
20	Positive supercoiling affiliated with nucleosome formation repairs non-B DNA structures. Chemical Communications, 2014, 50, 10641.	4.1	10
21	DNA gyrase-driven generation of a G-quadruplex from plasmid DNA. Chemical Communications, 2013, 49, 8317.	4.1	14
22	Confirmation of quinolone-induced formation of gyraseâ€“DNA conjugates using AFM. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4622-4626.	2.2	3
23	Interference of intrinsic curvature of DNA by DNA-intercalating agents. Organic and Biomolecular Chemistry, 2012, 10, 2227.	2.8	3
24	Manipulating DNA writhe through varying DNA sequences. Chemical Communications, 2011, 47, 7479.	4.1	9
25	Precise engineering and visualization of signs and magnitudes of DNA writhe on the basis of PNA invasion. Chemical Communications, 2011, 47, 10695.	4.1	10
26	EcoRIâ€Modified Gold Nanoparticles for Dualâ€Mode Colorimetric Detection of Magnesium and Pyrophosphate Ions. Small, 2011, 7, 1987-1992.	10.0	32