

Hao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

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	Graphene Quantum Dot-Based Nanocomposites for Diagnosing Cancer Biomarker APE1 in Living Cells. ACS Applied Materials & Interfaces, 2020, 12, 13634-13643.	8.0	58
2	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
3	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
4	Buckyball-Based Spherical Display of Crown Ethers for <i>De Novo</i> 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	EcoRI-Modified Gold Nanoparticles for Dual-Mode Colorimetric Detection of Magnesium and Pyrophosphate Ions. Small, 2011, 7, 1987-1992.	10.0	32
7	DNA Binding and Cleavage Modes of Shishijimicin A. Journal of the American Chemical Society, 2019, 141, 7842-7852.	13.7	20
8	Enhancing K ⁺ transport activity and selectivity of synthetic K ⁺ channels <i>via</i> electron-donating effects. Chemical Communications, 2020, 56, 1211-1214.	4.1	20
9	Small Molecule-Based Highly Active and Selective K ⁺ Transporters with Potent Anticancer Activities. Nano Letters, 2021, 21, 1384-1391.	9.1	18
10	DNA gyrase-driven generation of a G-quadruplex from plasmid DNA. Chemical Communications, 2013, 49, 8317.	4.1	14
11	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
12	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
13	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
14	Positive supercoiling affiliated with nucleosome formation repairs non-B DNA structures. Chemical Communications, 2014, 50, 10641.	4.1	10
15	Topoisomerase-Based Preparation and AFM Imaging of Multi-Interlocked Circular DNA. Bioconjugate Chemistry, 2016, 27, 616-620.	3.6	10
16	Manipulating DNA writhe through varying DNA sequences. Chemical Communications, 2011, 47, 7479.	4.1	9
17	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
18	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

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19	Presence of negative supercoiling in aggregates of histone H1-plasmidic polynucleosome complexes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 168-170.	2.2	4
20	Interference of intrinsic curvature of DNA by DNA-intercalating agents. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2227.	2.8	3
21	Confirmation of quinolone-induced formation of gyrase-DNA conjugates using AFM. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4622-4626.	2.2	3
22	An Alternative Method for Evaluating Stabilities of DNA Hairpin Structures. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1314-1316.	3.2	3
23	Quantitative determination of linking number differences between circular polynucleosomes and histone H1-bound circular polynucleosomes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 537-540.	2.2	3
24	Tricking enzymes in living cells: a mechanism-based strategy for design of DNA topoisomerase biosensors. <i>Journal of Nanobiotechnology</i> , 2021, 19, 407.	9.1	3
25	Dataset on the effects of spermidine on linking number differences between histone H1-free and histone H1-bound circular polynucleosomes. <i>Data in Brief</i> , 2018, 17, 709-715.	1.0	1
26	Design and examination of potent pseudosubstrate-based oligonucleotide inhibitors against bacterial topoisomerase IV. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4817-4822.	2.2	0