

Yanwei Cao

List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Label-Free Detection of Tetramolecular i-Motifs by Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 2996-3000.	6.5	39
2	Exploration of Catalytic Nucleic Acids on Porphyrin Metalation and Peroxidase Activity by in Vitro Selection of Aptamers for <i>N</i> -Methyl Mesoporphyrin IX. <i>ACS Combinatorial Science</i> , 2019, 21, 83-89.	3.8	21
3	Investigation and improvement of catalytic activity of G-quadruplex/hemin DNAzymes using designed terminal G-tetrads with deoxyadenosine caps. <i>Chemical Science</i> , 2020, 11, 6896-6906.	7.4	21
4	Assembly of supramolecular DNA complexes containing both G-quadruplexes and i-motifs by enhancing the G-repeat-bearing capacity of i-motifs. <i>Nucleic Acids Research</i> , 2017, 45, 26-38.	14.5	17
5	Formation and Dissociation of the Interstrand i-Motif by the Sequences d(X _n C ₄ Y _m) Monitored with Electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 994-1003.	2.8	13
6	Correlations between fluorescence emission and base stacks of nucleic acid G-quadruplexes. <i>RSC Advances</i> , 2016, 6, 94531-94538.	3.6	11
7	Sequence Effect on the Topology of 3 + 1 Interlocked Bimolecular DNA G-Quadruplexes. <i>Biochemistry</i> , 2016, 55, 2694-2703.	2.5	10
8	Structural varieties of selectively mixed G- and C-rich short DNA sequences studied with electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2016, 51, 931-937.	1.6	10
9	Ni-Nitrilotriacetic Acid Affinity SELEX Method for Selection of DNA Aptamers Specific to the N-Cadherin Protein. <i>ACS Combinatorial Science</i> , 2020, 22, 867-872.	3.8	8
10	Acid-facilitated G-quadruplex/hemin DNAzymes: accompanied by the assembly of quadruplex supramolecules. <i>Chemical Communications</i> , 2020, 56, 8667-8670.	4.1	8
11	One Terminal Guanosine Flip of Intramolecular Parallel G-Quadruplex: Catalytic Enhancement of G-Quadruplex/Hemin DNAzymes. <i>Chemistry - A European Journal</i> , 2020, 26, 8631-8638.	3.3	6
12	Exploring the catalytic mechanism of multivalent G-quadruplex/hemin DNAzymes by modulating the position and spatial orientation of connected G-quadruplexes. <i>Analytica Chimica Acta</i> , 2022, 1221, 340105.	5.4	6
13	Construction of One- and Two-Dimensional Nanostructures by the Sequential Assembly of Quadruplex DNA Scaffolds. <i>Biomacromolecules</i> , 2019, 20, 2207-2217.	5.4	5
14	Construction of a junction DNA nanostructure and modulation of the junction switching to quadruplexes. <i>Royal Society Open Science</i> , 2017, 4, 171337.	2.4	3
15	Ligand Selectivity by Inserting GCG Tetrads into G-Quadruplex Structures. <i>Chemistry - A European Journal</i> , 2020, 26, 14730-14737.	3.3	3
16	5 [′] -(CGA) _n sequence-assisted pH-controlled assembly of supramolecular DNA nanostructure. <i>Royal Society Open Science</i> , 2018, 5, 180123.	2.4	1
17	Manipulating the Assembly of DNA Nanostructures and Their Enzymatic Properties by Incorporating a 5 [′] -5 [′] Polarity of Inversion Site in the G-Tract. <i>ACS Macro Letters</i> , 2021, 10, 1359-1364.	4.8	1
18	Selection of Aptamer for N-Methyl Mesoporphyrin IX to Develop Porphyrin Metalation DNAzyme. <i>Methods in Molecular Biology</i> , 2022, 2439, 15-26.	0.9	0

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19	A Protocol for Gold Nanoparticle-Assisted Aptamer Selection for a Small Molecule Porphyrin to Develop DNAzyme. <i>Methods in Molecular Biology</i> , 2022, 2439, 3-13.	0.9	0