Yu-hua Hao

List of Publications by Year
in descending order

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24 papers	920 citations	516710 16 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	830 citing authors

#	Article	IF	Citations
1	G-quadruplex structural variations in human genome associated with single-nucleotide variations and their impact on gene activity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	28
2	Detection of genomic G-quadruplexes in living cells using a small artificial protein. Nucleic Acids Research, 2020, 48, 11706-11720.	14.5	100
3	One-Step High-Throughput Telomerase Activity Measurement of Cell Populations, Single Cells, and Single-Enzyme Complexes. ACS Omega, 2020, 5, 24666-24673.	3.5	2
4	DNA:RNA hybrid G-quadruplex formation upstream of transcription start site. Scientific Reports, 2020, 10, 7429.	3.3	12
5	Selective Targeting of Guanine-Vacancy-Bearing G-Quadruplexes by G-Quartet Complementation and Stabilization with a Guanineâ€“Peptide Conjugate. Journal of the American Chemical Society, 2020, 142, 11394-11403.	13.7	29
6	Kinetics, conformation, stability, and targeting of G-quadruplexes from a physiological perspective. Biochemical and Biophysical Research Communications, 2020, 531, 84-87.	2.1	11
7	Transmission of dynamic supercoiling in linear and multi-way branched DNAs and its regulation revealed by a fluorescent G-quadruplex torsion sensor. Nucleic Acids Research, 2018, 46, 7418-7424.	14.5	17
8	Real-Time Detection Reveals Responsive Cotranscriptional Formation of Persistent Intramolecular DNA and Intermolecular DNA:RNA Hybrid G-Quadruplexes Stabilized by R-Loop. Analytical Chemistry, 2017, 89, 6036-6042.	6.5	19
9	Superhelicity Constrains a Localized and R-Loop-Dependent Formation of G-Quadruplexes at the Upstream Region of Transcription. ACS Chemical Biology, 2017, 12, 2609-2618.	3.4	33
10	RNA G-quadruplex formation in defined sequence in living cells detected by bimolecular fluorescence complementation. Chemical Science, 2016, 7, 4573-4581.	7.4	11
11	Exceptionally Selective and Tunable Sensing of Guanine Derivatives and Analogues by Structural Complementation in a Gâ€Quadruplex. Angewandte Chemie - International Edition, 2016, 55, 13759-13764.	13.8	21
12	Exceptionally Selective and Tunable Sensing of Guanine Derivatives and Analogues by Structural Complementation in a Gâ€Quadruplex. Angewandte Chemie, 2016, 128, 13963-13968.	2.0	8
13	Formation of DNA:RNA Hybrid Gâ€Quadruplex in Bacterial Cells and Its Dominance over the Intramolecular DNA Gâ€Quadruplex in Mediating Transcription Termination. Angewandte Chemie, 2015, 127, 2477-2481.	2.0	4
14	Strandâ€Biased Formation of Gâ€Quadruplexes in DNA Duplexes Transcribed with T7 RNA Polymerase. Angewandte Chemie - International Edition, 2015, 54, 8992-8996.	13.8	13
15	Formation of DNA:RNA Hybrid Gâ€Quadruplex in Bacterial Cells and Its Dominance over the Intramolecular DNA Gâ€Quadruplex in Mediating Transcription Termination. Angewandte Chemie - International Edition, 2015, 54, 2447-2451.	13.8	47
16	Guanine-vacancyâ€“bearing G-quadruplexes responsive to guanine derivatives. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14581-14586.	7.1	97
17	A competitive formation of DNA:RNA hybrid G-quadruplex is responsible to the mitochondrial transcription termination at the DNA replication priming site. Nucleic Acids Research, 2014, 42, 10832-10844.	14.5	56
18	Mechanism and Manipulation of DNA:RNA Hybrid G-Quadruplex Formation in Transcription of G-Rich DNA. Journal of the American Chemical Society, 2014, 136, 1381-1390.	13.7	63

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19	Formation of DNA:RNA Hybrid Gâ€Quadruplexes of Two Gâ€Quartet Layers in Transcription: Expansion of the Prevalence and Diversity of Gâ€Quadruplexes in Genomes. Angewandte Chemie - International Edition, 2014, 53, 13110-13114.	13.8	29
20	Bioinformatic analysis reveals an evolutional selection for DNA:RNA hybrid G-quadruplex structures as putative transcription regulatory elements in warm-blooded animals. Nucleic Acids Research, 2013, 41, 10379-10390.	14.5	59
21	Co-transcriptional formation of DNA:RNA hybrid G-quadruplex and potential function as constitutional cis element for transcription control. Nucleic Acids Research, 2013, 41, 5533-5541.	14.5	102
22	DNA G-quadruplex formation in response to remote downstream transcription activity: long-range sensing and signal transducing in DNA double helix. Nucleic Acids Research, 2013, 41, 7144-7152.	14.5	60
23	G-Quadruplex Hinders Translocation of BLM Helicase on DNA: A Real-Time Fluorescence Spectroscopic Unwinding Study and Comparison with Duplex Substrates. Journal of the American Chemical Society, 2010, 132, 10521-10527.	13.7	55
24	An exonuclease I hydrolysis assay for evaluating G-quadruplex stabilization by small molecules. Nucleic Acids Research, 2007, 35, e68-e68.	14.5	30