

Dong-Xia Wang

List of Publications by Year in descending order

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18
papers

685
citations

840776

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18
times ranked

525
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA nanolantern-mediated catalytic hairpin assembly nanoamplifiers for simultaneous detection of multiple microRNAs. <i>Talanta</i> , 2022, 236, 122846.	5.5	17
2	Recent Advances in Constructing Higher-Order DNA Structures. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	4
3	MnO ₂ nanosheets as a carrier and accelerator for improved live-cell biosensing application of CRISPR/Cas12a. <i>Chemical Science</i> , 2022, 13, 4364-4371.	7.4	39
4	“RESET” Effect: Random Extending Sequences Enhance the Trans-Cleavage Activity of CRISPR/Cas12a. <i>Analytical Chemistry</i> , 2022, 94, 8050-8057.	6.5	11
5	Terminal deoxynucleotidyl transferase combined CRISPR-Cas12a amplification strategy for ultrasensitive detection of uracil-DNA glycosylase with zero background. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112734.	10.1	66
6	DNA nanolantern-based split aptamer probes for <i>in situ</i> ATP imaging in living cells and lighting up mitochondria. <i>Analyst</i> , 2021, 146, 2600-2608.	3.5	10
7	DNA nanostructure-based nucleic acid probes: construction and biological applications. <i>Chemical Science</i> , 2021, 12, 7602-7622.	7.4	74
8	Nonenzymatic catalytic assembly of valency-controlled DNA architectures for nanoparticles and live cell assembly. <i>Chemical Communications</i> , 2021, 57, 6760-6763.	4.1	7
9	Reversible assembly/disassembly of DNA frames and applications in logic design, ratiometric sensing and bioimaging. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129335.	7.8	9
10	Signal amplification and output of CRISPR/Cas-based biosensing systems: A review. <i>Analytica Chimica Acta</i> , 2021, 1185, 338882.	5.4	69
11	Oxidative Cleavage-Based Three-Dimensional DNA Biosensor for Ratiometric Detection of Hypochlorous Acid and Myeloperoxidase. <i>Analytical Chemistry</i> , 2021, 93, 16231-16239.	6.5	7
12	CRISPR/Cas12a-based dual amplified biosensing system for sensitive and rapid detection of polynucleotide kinase/phosphatase. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112556.	10.1	68
13	Green Layer-by-Layer Assembly of Porphyrin/G-Quadruplex-Based Near-Infrared Nanocomposite Photosensitizer with High Biocompatibility and Bioavailability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7575-7585.	8.0	22
14	Three-dimensional DNA nanostructures to improve the hyperbranched hybridization chain reaction. <i>Chemical Science</i> , 2019, 10, 9758-9767.	7.4	124
15	Nanolantern-Based DNA Probe and Signal Amplifier for Tumor-Related Biomarker Detection in Living Cells. <i>Analytical Chemistry</i> , 2019, 91, 13165-13173.	6.5	33
16	Highly Integrated, Biostable, and Self-Powered DNA Motor Enabling Autonomous Operation in Living Bodies. <i>Analytical Chemistry</i> , 2019, 91, 5244-5251.	6.5	58
17	Dinuclear Hg ^{II} tetracarbene complex-triggered aggregation-induced emission for rapid and selective sensing of Hg ²⁺ and organomercury species. <i>Chemical Science</i> , 2019, 10, 4220-4226.	7.4	66
18	Recent research progress on DNA walker-based molecular machines. <i>Scientia Sinica Chimica</i> , 2019, 49, 776-786.	0.4	1