

Jing Wang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

713
citations

686830

13
h-index

752256

20
g-index

20
all docs

20
docs citations

20
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional DNA nanostructures to improve the hyperbranched hybridization chain reaction. <i>Chemical Science</i> , 2019, 10, 9758-9767.	3.7	124
2	DNA nanostructure-based nucleic acid probes: construction and biological applications. <i>Chemical Science</i> , 2021, 12, 7602-7622.	3.7	74
3	CRISPR/Cas12a-based dual amplified biosensing system for sensitive and rapid detection of polynucleotide kinase/phosphatase. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112556.	5.3	68
4	Highly Integrated, Biostable, and Self-Powered DNA Motor Enabling Autonomous Operation in Living Bodies. <i>Analytical Chemistry</i> , 2019, 91, 5244-5251.	3.2	58
5	A ZnO-gated porphyrinic metal-organic framework-based drug delivery system for targeted bimodal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7898-7907.	2.9	50
6	Upconversion nano-photosensitizer targeting into mitochondria for cancer apoptosis induction and cyt c fluorescence monitoring. <i>Nano Research</i> , 2016, 9, 3257-3266.	5.8	45
7	G-Quadruplex/Porphyrin Composite Photosensitizer: A Facile Way to Promote Absorption Redshift and Photodynamic Therapy Efficacy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13158-13167.	4.0	44
8	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.	3.7	39
9	Terminal Deoxynucleotidyl Transferase-Catalyzed Preparation of pH-Responsive DNA Nanocarriers for Tumor-Targeted Drug Delivery and Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14684-14692.	4.0	38
10	Nanolantern-Based DNA Probe and Signal Amplifier for Tumor-Related Biomarker Detection in Living Cells. <i>Analytical Chemistry</i> , 2019, 91, 13165-13173.	3.2	33
11	Development of the DNA-based biosensors for high performance in detection of molecular biomarkers: More rapid, sensitive, and universal. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113739.	5.3	32
12	Label-Free Colorimetric Detection of Acid Phosphatase and Screening of Its Inhibitors Based on Biomimetic Oxidase Activity of MnO ₂ Nanosheets. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 3132-3138.	2.6	30
13	DNA nanolantern-mediated catalytic hairpin assembly nanoamplifiers for simultaneous detection of multiple microRNAs. <i>Talanta</i> , 2022, 236, 122846.	2.9	17
14	The Preparation of CuInS ₂ -ZnS-Glutathione Quantum Dots and Their Application on the Sensitive Determination of Cytochrome <i>c</i> and Imaging of HeLa Cells. <i>ACS Omega</i> , 2021, 6, 17501-17509.	1.6	13
15	RESET Effect: Random Extending Sequences Enhance the Trans-Cleavage Activity of CRISPR/Cas12a. <i>Analytical Chemistry</i> , 2022, 94, 8050-8057.	3.2	11
16	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.	1.7	10
17	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.	4.0	9
18	Nonenzymatic catalytic assembly of valency-controlled DNA architectures for nanoparticles and live cell assembly. <i>Chemical Communications</i> , 2021, 57, 6760-6763.	2.2	7

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19	Oxidative Cleavage-Based Three-Dimensional DNA Biosensor for Ratiometric Detection of Hypochlorous Acid and Myeloperoxidase. <i>Analytical Chemistry</i> , 2021, 93, 16231-16239.	3.2	7
20	Recent Advances in Constructing Higher-Order DNA Structures. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	4