

# Hongfei He

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Self-Replicating Catalyzed Hairpin Assembly for Rapid Signal Amplification. <i>Analytical Chemistry</i> , 2017, 89, 11971-11975.	6.5	68
2	Target-catalyzed autonomous assembly of dendrimer-like DNA nanostructures for enzyme-free and signal amplified colorimetric nucleic acids detection. <i>Biosensors and Bioelectronics</i> , 2016, 86, 985-989.	10.1	51
3	Unusual sequence length-dependent gold nanoparticles aggregation of the ssDNA sticky end and its application for enzyme-free and signal amplified colorimetric DNA detection. <i>Scientific Reports</i> , 2016, 6, 30878.	3.3	31
4	Self-assembly of DNA nanoparticles through multiple catalyzed hairpin assembly for enzyme-free nucleic acid amplified detection. <i>Talanta</i> , 2018, 179, 641-645.	5.5	28
5	Self-Replication-Assisted Rapid Preparation of DNA Nanowires at Room Temperature and Its Biosensing Application. <i>Analytical Chemistry</i> , 2019, 91, 3043-3047.	6.5	23
6	Nucleotide base analog pyrrolo-deoxycytidine as fluorescent probe signal for enzyme-free and signal amplified nucleic acids detection. <i>Talanta</i> , 2017, 164, 34-38.	5.5	15
7	Rapid DNA detection based on self-replicating catalyzed hairpin assembly using nucleotide base analog pyrrolo-deoxycytidine as fluorophore. <i>Talanta</i> , 2018, 181, 142-146.	5.5	13
8	Selenium atom on phosphate enhances specificity and sensitivity of DNA polymerization and detection. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5636-5644.	5.8	5
9	Signal Extraction, Transformation, and Magnification for Ultrasensitive and Specific Detection of Nucleic Acids. <i>Analytical Chemistry</i> , 2021, 93, 10611-10618.	6.5	5