

Jianyuan Dai

List of Publications by Year in descending order

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17
papers

431
citations

759233

12
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888059

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times ranked

531
citing authors

#	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	N-Doped carbon dots: green and efficient synthesis on a large-scale and their application in fluorescent pH sensing. <i>New Journal of Chemistry</i> , 2017, 41, 10607-10612.	2.8	63
3	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
4	Target-triggered autonomous assembly of DNA polymer chains and its application in colorimetric nucleic acid detection. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3191-3194.	5.8	32
5	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
6	Surfactant-free gold nanoparticles: rapid and green synthesis and their greatly improved catalytic activities for 4-nitrophenol reduction. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1268-1272.	6.0	30
7	A rapid and colorimetric biosensor based on GR-5 DNAzyme and self-replicating catalyzed hairpin assembly for lead detection. <i>Analytical Methods</i> , 2020, 12, 2215-2220.	2.7	30
8	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
9	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
10	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
11	A rapid room-temperature DNA amplification and detection strategy based on nicking endonuclease and catalyzed hairpin assembly. <i>Analytical Methods</i> , 2019, 11, 2537-2541.	2.7	15
12	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
13	Rapid and colorimetric detection of nucleic acids based on entropy-driven circuit and DNAzyme-mediated autocatalytic reactions. <i>Analytical Methods</i> , 2020, 12, 2779-2784.	2.7	13
14	A label-free fluorescent biosensor based on a catalyzed hairpin assembly for HIV DNA and lead detection. <i>Analytical Methods</i> , 2021, 13, 2391-2395.	2.7	8
15	Signal Extraction, Transformation, and Magnification for Ultrasensitive and Specific Detection of Nucleic Acids. <i>Analytical Chemistry</i> , 2021, 93, 10611-10618.	6.5	5
16	Electrochemiluminescence Based on Solid State Tri(4,7-diphenyl-1,10-phenanthroline) Ruthenium(II) Ditetraakis(4-chlorophenyl) Borate Immobilized on Carbon Fibers. <i>Electroanalysis</i> , 2010, 22, 1344-1348.	2.9	3
17	An amperometric ethanol sensor based on foam nickel electrode. <i>Russian Journal of Electrochemistry</i> , 2011, 47, 96-101.	0.9	3