Zhentong Zhu

List of Publications by Year
in descending order

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13	380	840119 11	1125271 13
papers	citations	h-index	g-index

13	13	13	442
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Low-Noise Solid-State Nanopore Enhancing Direct Label-Free Analysis for Small Dimensional Assemblies Induced by Specific Molecular Binding. ACS Applied Materials & Interfaces, 2021, 13, 9482-9490.	4.0	19
2	Study on the Functionalization and Signaling Efficiency of the Hybridization Chain Reaction Using Traditional and Single Molecular Characterizations. ACS Applied Bio Materials, 2021, 4, 3649-3657.	2.3	16
3	Low-Noise Nanopore Enables In-Situ and Label-Free Tracking of a Trigger-Induced DNA Molecular Machine at the Single-Molecular Level. Journal of the American Chemical Society, 2020, 142, 4481-4492.	6.6	83
4	Exploration of solid-state nanopores in characterizing reaction mixtures generated from a catalytic DNA assembly circuit. Chemical Science, 2019, 10, 1953-1961.	3.7	39
5	One-Dimensional Assemblies of a DNA Tetrahedron: Manipulations on the Structural Conformation and Single-Molecule Behaviors. ACS Applied Bio Materials, 2019, 2, 1278-1285.	2.3	8
6	An investigation of solid-state nanopores on label-free metal-ion signalling via the transition of RNA-cleavage DNAzyme and the hybridization chain reaction. Nanoscale, 2019, 11, 10339-10347.	2.8	27
7	Establishment of a universal and rational gene detection strategy through three-way junction-based remote transduction. Chemical Science, 2018, 9, 760-769.	3.7	54
8	Adaption of a Solid-State Nanopore to Homogeneous DNA Organization Verification and Label-Free Molecular Analysis without Covalent Modification. Analytical Chemistry, 2018, 90, 814-820.	3.2	36
9	Strand-Exchange Nucleic Acid Circuitry with Enhanced Thermo-and Structure- Buffering Abilities Turns Gene Diagnostics Ultra-Reliable and Environmental Compatible. Scientific Reports, 2016, 6, 36605.	1.6	16
10	Spatial organization based reciprocal switching of enzyme-free nucleic acid circuits. Chemical Communications, 2016, 52, 13043-13046.	2.2	9
11	Direct isoperfluoropropylation of arenediazonium salts with hexafluoropropylene. Organic Chemistry Frontiers, 2016, 3, 304-308.	2.3	23
12	Direct heptafluoroisopropylation of arylboronic acids via hexafluoropropene (HFP). Chemical Communications, 2016, 52, 796-799.	2.2	28
13	Diverse lanthanide coordination polymers tuned by the flexibility of ligands and the lanthanide contraction effect: syntheses, structures and luminescence. Dalton Transactions, 2012, 41, 1765-1775.	1.6	22