

Zhentong Zhu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8261731/publications.pdf>

Version: 2024-02-01

13
papers

380
citations

840119

11
h-index

1125271

13
g-index

13
all docs

13
docs citations

13
times ranked

442
citing authors

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