

Dapeng Zhang

List of Publications by Year in descending order

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20
papers

1,051
citations

567281

15
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1620
citing authors

#	ARTICLE	IF	CITATIONS
1	N6-Methyladenine DNA Modification in Drosophila. <i>Cell</i> , 2015, 161, 893-906.	28.9	570
2	Fluorescence Anisotropy Analysis for Mapping Aptamer-Protein Interaction at the Single Nucleotide Level. <i>Journal of the American Chemical Society</i> , 2011, 133, 9188-9191.	13.7	90
3	A sensitive fluorescence anisotropy method for detection of lead (II) ion by a G-quadruplex-inducible DNA aptamer. <i>Analytica Chimica Acta</i> , 2014, 812, 161-167.	5.4	66
4	Fluorescence Anisotropy Reduction of Allosteric Aptamer for Sensitive and Specific Protein Signaling. <i>Analytical Chemistry</i> , 2012, 84, 3070-3074.	6.5	40
5	Nanoparticles-Free Fluorescence Anisotropy Amplification Assay for Detection of RNA Nucleotide-Cleaving DNAzyme Activity. <i>Analytical Chemistry</i> , 2015, 87, 4903-4909.	6.5	38
6	Specific and Sensitive Fluorescence Anisotropy Sensing of Guanine-Quadruplex Structures via a Photoinduced Electron Transfer Mechanism. <i>Analytical Chemistry</i> , 2012, 84, 8088-8094.	6.5	32
7	ATPase activity tightly regulates RecA nucleofilaments to promote homologous recombination. <i>Cell Discovery</i> , 2017, 3, 16053.	6.7	30
8	Affinity Interactions by Capillary Electrophoresis: Binding, Separation, and Detection. <i>Analytical Chemistry</i> , 2019, 91, 372-387.	6.5	30
9	Fluorescence Anisotropy Reduction of An Allosteric G-Rich Oligonucleotide for Specific Silver Ion and Cysteine Detection Based on the G-Ag ⁺ -G Base Pair. <i>Analytical Chemistry</i> , 2019, 91, 14538-14544.	6.5	27
10	SARS-CoV-2 RNA elements share human sequence identity and upregulate hyaluronan via NamiRNA-enhancer network. <i>EBioMedicine</i> , 2022, 76, 103861.	6.1	24
11	Reactivation of tumour suppressor in breast cancer by enhancer switching through NamiRNA network. <i>Nucleic Acids Research</i> , 2021, 49, 8556-8572.	14.5	21
12	Interplay of Binding Stoichiometry and Recognition Specificity for the Interaction of MBD2b Protein and Methylated DNA Revealed by Affinity Capillary Electrophoresis Coupled with Laser-Induced Fluorescence Analysis. <i>Analytical Chemistry</i> , 2014, 86, 1775-1782.	6.5	17
13	Elevated 8-oxo-7,8-dihydro-2-deoxyguanosine in genome of T24 bladder cancer cells induced by halobenzoquinones. <i>Journal of Environmental Sciences</i> , 2018, 63, 133-139.	6.1	17
14	Metal Cation Mediated-Capillary Electrophoresis of Nucleic Acids. <i>Analytical Chemistry</i> , 2010, 82, 487-490.	6.5	15
15	Enhancing the Affinity of Anti-Human α -Thrombin 15-mer DNA Aptamer and Anti-Immunoglobulin E Aptamer by PolyT Extension. <i>Analytical Chemistry</i> , 2017, 89, 9467-9473.	6.5	15
16	High-affinity and undissociated capillary electrophoresis for DNA strand exchange analysis. <i>Chemical Communications</i> , 2020, 56, 7403-7406.	4.1	4
17	An electroosmotic flow-free two-direction migration strategy enables fast affinity capillary electrophoresis to study the weak interactions between basic peptides and RNA. <i>Analytical Methods</i> , 2020, 12, 5833-5838.	2.7	3
18	Precise sequencing of single protected-DNA fragment molecules for profiling of protein distribution and assembly on DNA. <i>Chemical Science</i> , 2021, 12, 2039-2049.	7.4	3

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19	Engineered SNAP-MBD2b proteins for specific recognition of methylated DNA. <i>Science China Chemistry</i> , 2014, 57, 1019-1025.	8.2	2
20	Electrophoretic behavior of DNA-methyl-CpG-binding domain protein complexes revealed by capillary electrophoresis laser-induced fluorescence. <i>Electrophoresis</i> , 2015, 36, 3088-3093.	2.4	1