

Kazuhiro Furukawa

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,172
citations

516710

16
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552781

26
g-index

27
all docs

27
docs citations

27
times ranked

1336
citing authors

#	ARTICLE	IF	CITATIONS
1	Riboswitches in eubacteria sense the second messenger c-di-AMP. <i>Nature Chemical Biology</i> , 2013, 9, 834-839.	8.0	247
2	Bacterial Riboswitches Cooperatively Bind Ni ²⁺ or Co ²⁺ Ions and Control Expression of Heavy Metal Transporters. <i>Molecular Cell</i> , 2015, 57, 1088-1098.	9.7	147
3	Small, Highly Active DNAs That Hydrolyze DNA. <i>Journal of the American Chemical Society</i> , 2013, 135, 9121-9129.	13.7	134
4	A Reduction-Triggered Fluorescence Probe for Sensing Nucleic Acids. <i>Bioconjugate Chemistry</i> , 2008, 19, 1219-1226.	3.6	106
5	Reduction-Triggered Fluorescent Amplification Probe for the Detection of Endogenous RNAs in Living Human Cells. <i>Bioconjugate Chemistry</i> , 2009, 20, 1026-1036.	3.6	80
6	Highly sensitive real-time PCR assay for quantification of toxic cyanobacteria based on microcystin synthetase a gene. <i>Journal of Bioscience and Bioengineering</i> , 2006, 102, 90-96.	2.2	60
7	Reduction-triggered red fluorescent probes for dual-color detection of oligonucleotide sequences. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 671-677.	2.8	48
8	Engineered Allosteric Ribozymes That Sense the Bacterial Second Messenger Cyclic Diguanylate 5'-Monophosphate. <i>Analytical Chemistry</i> , 2012, 84, 4935-4941.	6.5	45
9	Identification of Ligand Analogues that Control c-di-GMP Riboswitches. <i>ACS Chemical Biology</i> , 2012, 7, 1436-1443.	3.4	41
10	PCR Amplification of 4'-ThioDNA Using 2'-Deoxy-4'-thionucleoside 5'-Triphosphates. <i>ACS Synthetic Biology</i> , 2013, 2, 529-536.	3.8	31
11	Fluorescence Detection of Intron Lariat RNA with Reduction-Triggered Fluorescent Probes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12020-12023.	13.8	30
12	Rapid DNA Chemical Ligation for Amplification of RNA and DNA Signal. <i>Bioconjugate Chemistry</i> , 2008, 19, 327-333.	3.6	29
13	Transcription of 4'-thioDNA templates to natural RNA in vitro and in mammalian cells. <i>Chemical Communications</i> , 2015, 51, 7887-7890.	4.1	23
14	Photoactivatable fluorescein derivatives with azidomethyl caging groups for tracing oligonucleotides in living human cells. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2309.	2.8	22
15	Allosteric control of a DNA-hydrolyzing deoxyribozyme with short oligonucleotides and its application in DNA logic gates. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3344.	2.8	17
16	Fluorescence generation from tandem repeats of a malachite green RNA aptamer using rolling circle transcription. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 4562-4565.	2.2	16
17	Gene Silencing Using 4'-thioDNA as an Artificial Template to Synthesize Short Hairpin RNA Without Inducing a Detectable Innate Immune Response. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e274.	5.1	16
18	Chemistry, Properties, and in Vitro and in Vivo Applications of 2'-Methoxyethyl-4'-thioRNA, a Novel Hybrid Type of Chemically Modified RNA. <i>ChemBioChem</i> , 2014, 15, 2535-2540.	2.6	15

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19	Detection of pre-mRNA splicing in vitro by an RNA-templated fluorogenic reaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 7248-7251.	2.2	12
20	First Synthesis of Fully Modified 4 ϵ -SelenoRNA and 2 ϵ -OMe-4 ϵ -selenoRNA Based on the Mechanistic Considerations of an Unexpected Strand Break. <i>Organic Letters</i> , 2014, 16, 4710-4713.	4.6	12
21	In Vitro Selection of Allosteric Ribozymes that Sense the Bacterial Second Messenger c-di-GMP. <i>Methods in Molecular Biology</i> , 2014, 1111, 209-220.	0.9	9
22	Comprehensive Analysis of Cell Wall-Permeabilizing Conditions for Highly Sensitive Fluorescence In Situ Hybridization. <i>Microbes and Environments</i> , 2006, 21, 227-234.	1.6	8
23	Synthesis and evaluation of c-di-4 ϵ -thioAMP as an artificial ligand for c-di-AMP riboswitch. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3883-3889.	3.0	7
24	Reduction-Triggered Fluorescence Probe for Peptide-Templated Reactions. <i>Chemical and Pharmaceutical Bulletin</i> , 2009, 57, 1223-1226.	1.3	6
25	Gene suppression via U1 small nuclear RNA interference (U1i) machinery using oligonucleotides containing 2 ϵ -modified-4 ϵ -thionucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5292-5296.	3.0	6
26	Fluorogenic probe triggered by reduction for nucleic acids sensing. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 353-354.	0.3	0