Kazuhiro Furukawa

List of Publications by Year
in descending order

26	1,172	516710 16	552781 26
papers	citations	h-index	g-index

27	27	27	1336
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and evaluation of c-di-4â€²-thioAMP as an artificial ligand for c-di-AMP riboswitch. Bioorganic and Medicinal Chemistry, 2017, 25, 3883-3889.	3.0	7
2	Gene Silencing Using 4â€²-thioDNA as an Artificial Template to Synthesize Short Hairpin RNA Without Inducing a Detectable Innate Immune Response. Molecular Therapy - Nucleic Acids, 2016, 5, e274.	5.1	16
3	Transcription of 4â€²-thioDNA templates to natural RNA in vitro and in mammalian cells. Chemical Communications, 2015, 51, 7887-7890.	4.1	23
4	Bacterial Riboswitches Cooperatively Bind Ni 2+ or Co 2+ Ions and Control Expression of Heavy Metal Transporters. Molecular Cell, 2015, 57, 1088-1098.	9.7	147
5	Allosteric control of a DNA-hydrolyzing deoxyribozyme with short oligonucleotides and its application in DNA logic gates. Organic and Biomolecular Chemistry, 2014, 12, 3344.	2.8	17
6	First Synthesis of Fully Modified 4â€²-SelenoRNA and 2â€²-OMe-4â€²-selenoRNA Based on the Mechanistic Considerations of an Unexpected Strand Break. Organic Letters, 2014, 16, 4710-4713.	4.6	12
7	Chemistry, Properties, and in Vitro and in Vivo Applications of 2â€²â€Oâ€Methoxyethylâ€4â€²â€thioRNA, a Novel Hybrid Type of Chemically Modified RNA. ChemBioChem, 2014, 15, 2535-2540.	2.6	15
8	In Vitro Selection of Allosteric Ribozymes that Sense the Bacterial Second Messenger c-di-GMP. Methods in Molecular Biology, 2014, 1111, 209-220.	0.9	9
9	Gene suppression via U1 small nuclear RNA interference (U1i) machinery using oligonucleotides containing 2â€²-modified-4â€²-thionucleosides. Bioorganic and Medicinal Chemistry, 2013, 21, 5292-5296.	3.0	6
10	Riboswitches in eubacteria sense the second messenger c-di-AMP. Nature Chemical Biology, 2013, 9, 834-839.	8.0	247
11	Small, Highly Active DNAs That Hydrolyze DNA. Journal of the American Chemical Society, 2013, 135, 9121-9129.	13.7	134
12	PCR Amplification of 4â€²-ThioDNA Using 2â€²-Deoxy-4â€²-thionucleoside 5â€²-Triphosphates. ACS Synthetic Biology, 2013, 2, 529-536.	3.8	31
13	Detection of pre-mRNA splicing in vitro by an RNA-templated fluorogenic reaction. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 7248-7251.	2.2	12
14	Engineered Allosteric Ribozymes That Sense the Bacterial Second Messenger Cyclic Diguanosyl 5â€²-Monophosphate. Analytical Chemistry, 2012, 84, 4935-4941.	6.5	45
15	Identification of Ligand Analogues that Control c-di-GMP Riboswitches. ACS Chemical Biology, 2012, 7, 1436-1443.	3.4	41
16	Fluorescence Detection of Intron Lariat RNA with Reductionâ€Triggered Fluorescent Probes. Angewandte Chemie - International Edition, 2011, 50, 12020-12023.	13.8	30
17	Photoactivatable fluorescein derivatives with azidomethyl caging groups for tracing oligonucleotides in living human cells. Organic and Biomolecular Chemistry, 2010, 8, 2309.	2.8	22
18	Reduction-Triggered Fluorescent Amplification Probe for the Detection of Endogenous RNAs in Living Human Cells. Bioconjugate Chemistry, 2009, 20, 1026-1036.	3.6	80

#	Article	IF	Citations
19	Reduction-triggered red fluorescent probes for dual-color detection of oligonucleotide sequences. Organic and Biomolecular Chemistry, 2009, 7, 671-677.	2.8	48
20	Reduction-Triggered Fluorescence Probe for Peptide-Templated Reactions. Chemical and Pharmaceutical Bulletin, 2009, 57, 1223-1226.	1.3	6
21	Fluorescence generation from tandem repeats of a malachite green RNA aptamer using rolling circle transcription. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4562-4565.	2.2	16
22	Rapid DNA Chemical Ligation for Amplification of RNA and DNA Signal. Bioconjugate Chemistry, 2008, 19, 327-333.	3.6	29
23	A Reduction-Triggered Fluorescence Probe for Sensing Nucleic Acids. Bioconjugate Chemistry, 2008, 19, 1219-1226.	3.6	106
24	Fluorogenic probe triggered by reduction for nucleic acids sensing. Nucleic Acids Symposium Series, 2008, 52, 353-354.	0.3	0
25	Comprehensive Analysis of Cell Wall-Permeabilizing Conditions for Highly Sensitive Fluorescence In Situ Hybridization. Microbes and Environments, 2006, 21, 227-234.	1.6	8
26	Highly sensitive real-time PCR assay for quantification of toxic cyanobacteria based on microcystin synthetase a gene. Journal of Bioscience and Bioengineering, 2006, 102, 90-96.	2.2	60