

Katsuhiko Matsumoto

List of Publications by Year in descending order

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23
papers

782
citations

623188

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752256

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25
all docs

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docs citations

25
times ranked

1118
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-organ analysis of TGF- β -mediated remodelling of the tumour microenvironment by tissue clearing. <i>Communications Biology</i> , 2021, 4, 294.	2.0	14
2	Tissue clearing. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	56
3	Advanced CUBIC tissue clearing for whole-organ cell profiling. <i>Nature Protocols</i> , 2019, 14, 3506-3537.	5.5	127
4	Knockout-Rescue Embryonic Stem Cell-Derived Mouse Reveals Circadian-Period Control by Quality and Quantity of CRY1. <i>Molecular Cell</i> , 2017, 65, 176-190.	4.5	72
5	Mass spectrometry-based absolute quantification reveals rhythmic variation of mouse circadian clock proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3461-7.	3.3	69
6	Involvement of Ca ²⁺ -Dependent Hyperpolarization in Sleep Duration in Mammals. <i>Neuron</i> , 2016, 90, 70-85.	3.8	149
7	Non-Enzymatic DNA Cleavage Reaction Induced by 5-Ethynyluracil in Methylamine Aqueous Solution and Application to DNA Concatenation. <i>PLoS ONE</i> , 2014, 9, e92369.	1.1	3
8	Triazolyl Donor/Acceptor Chromophore Decorated Unnatural Nucleosides and Oligonucleotides with Duplex Stability Comparable to That of a Natural Adenine/Thymine Pair. <i>Journal of Organic Chemistry</i> , 2013, 78, 278-291.	1.7	31
9	A Peptide Nucleic Acid (PNA) Heteroduplex Probe Containing an Inosine-Cytosine Base Pair Discriminates a Single Nucleotide Difference in RNA. <i>Chemistry - A European Journal</i> , 2013, 19, 5034-5040.	1.7	8
10	Fluorescent nucleosides with "on/off" switching function, pH-responsive fluorescent uridine derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2753-2756.	1.0	10
11	Design and synthesis of highly solvatochromic fluorescent 2'-deoxyguanosine and 2'-deoxyadenosine analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1275-1278.	1.0	38
12	Design of environmentally sensitive fluorescent 2'-deoxyguanosine containing arylethynyl moieties: Distinction of thymine base by base-discriminating fluorescent (BDF) probe. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 2817-2820.	1.0	31
13	Singly and doubly labeled base-discriminating fluorescent oligonucleotide probes containing oxo-pyrene chromophore. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3227-3230.	1.0	30
14	Design of extremely facile 3'- and 5'- ends free molecular beacons using C8 alkylamino substituted 2'-deoxyguanosine. <i>Nucleic Acids Symposium Series</i> , 2009, 53, 141-142.	0.3	0
15	Photo-switching of vinylpyrene-substituted 2'-deoxyguanosine and its application. <i>Nucleic Acids Symposium Series</i> , 2009, 53, 193-194.	0.3	0
16	Fluorescence switching of photochromic vinylpyrene-substituted 2'-deoxyguanosine. <i>Tetrahedron Letters</i> , 2009, 50, 1403-1406.	0.7	18
17	Ends free and self-quenched molecular beacon with pyrene labeled pyrrolocytidine in the middle of the stem. <i>Tetrahedron</i> , 2009, 65, 934-939.	1.0	33
18	Pyrene-labeled deoxyguanosine as a fluorescence sensor to discriminate single and double stranded DNA structures: Design of ends free molecular beacons. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 6392-6395.	1.0	40

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19	C8-alkynyl- and alkylamino substituted 2'-deoxyguanosines: a universal linker for nucleic acids modification. <i>Tetrahedron</i> , 2008, 64, 3578-3588.	1.0	31
20	Fluorometric sensing of conformational switching of DNA; The use of fluorescence labeled C8-alkylamino substituted 2'-deoxyguanosine. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 357-358.	0.3	1
21	Design of an ultimate quencher free molecular beacon containing pyrrolocytidine-guanine base pair. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 361-362.	0.3	3
22	Synthesis of C8-alkylamino substituted 2'-deoxyguanosine. <i>Nucleic Acids Symposium Series</i> , 2007, 51, 147-148.	0.3	0
23	Dual-labeled oligonucleotide probe for sensing adenosine via FRET: A novel alternative to SNPs genotyping. <i>Chemical Communications</i> , 2007, , 2133.	2.2	18