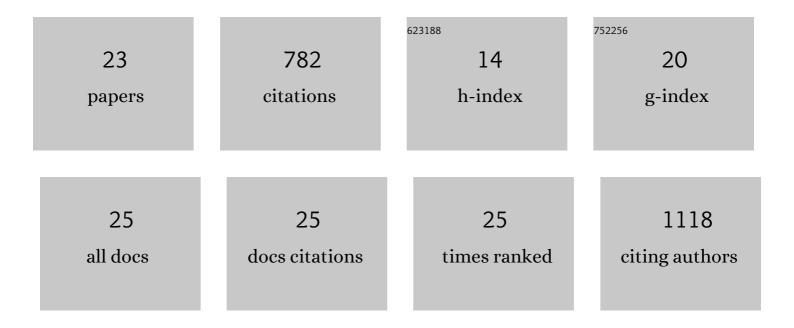
## Katsuhiko Matsumoto

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Involvement of Ca2+-Dependent Hyperpolarization in Sleep Duration in Mammals. Neuron, 2016, 90, 70-85.	3.8	149
2	Advanced CUBIC tissue clearing for whole-organ cell profiling. Nature Protocols, 2019, 14, 3506-3537.	5.5	127
3	Knockout-Rescue Embryonic Stem Cell-Derived Mouse Reveals Circadian-Period Control by Quality and Quantity of CRY1. Molecular Cell, 2017, 65, 176-190.	4.5	72
4	Mass spectrometry-based absolute quantification reveals rhythmic variation of mouse circadian clock proteins. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3461-7.	3.3	69
5	Tissue clearing. Nature Reviews Methods Primers, 2021, 1, .	11.8	56
6	Pyrene-labeled deoxyguanosine as a fluorescence sensor to discriminate single and double stranded DNA structures: Design of ends free molecular beacons. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6392-6395.	1.0	40
7	Design and synthesis of highly solvatochromic fluorescent 2′-deoxyguanosine and 2′-deoxyadenosine analogs. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 1275-1278.	1.0	38
8	Ends free and self-quenched molecular beacon with pyrene labeled pyrrolocytidine in the middle of the stem. Tetrahedron, 2009, 65, 934-939.	1.0	33
9	C8-alkynyl- and alkylamino substituted 2â€2-deoxyguanosines: a universal linker for nucleic acids modification. Tetrahedron, 2008, 64, 3578-3588.	1.0	31
10	Design of environmentally sensitive fluorescent 2′-deoxyguanosine containing arylethynyl moieties: Distinction of thymine base by base-discriminating fluorescent (BDF) probe. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2817-2820.	1.0	31
11	Triazolyl Donor/Acceptor Chromophore Decorated Unnatural Nucleosides and Oligonucleotides with Duplex Stability Comparable to That of a Natural Adenine/Thymine Pair. Journal of Organic Chemistry, 2013, 78, 278-291.	1.7	31
12	Singly and doubly labeled base-discriminating fluorescent oligonucleotide probes containing oxo-pyrene chromophore. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 3227-3230.	1.0	30
13	Dual-labeled oligonucleotide probe for sensing adenosine via FRET: A novel alternative to SNPs genotyping. Chemical Communications, 2007, , 2133.	2.2	18
14	Fluorescence switching of photochromic vinylpyrene-substituted 2′-deoxyguanosine. Tetrahedron Letters, 2009, 50, 1403-1406.	0.7	18
15	Whole-organ analysis of TGF-Î2-mediated remodelling of the tumour microenvironment by tissue clearing. Communications Biology, 2021, 4, 294.	2.0	14
16	Fluorescent nucleosides with â€~on–off' switching function, pH-responsive fluorescent uridine derivatives. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 2753-2756.	1.0	10
17	A Peptide Nucleic Acid (PNA) Heteroduplex Probe Containing an Inosine–Cytosine Base Pair Discriminates a Singleâ€Nucleotide Difference in RNA. Chemistry - A European Journal, 2013, 19, 5034-5040.	1.7	8
18	Design of an ultimate quencher free molecular beacon containing pyrrolocytidine-guanine base pair. Nucleic Acids Symposium Series, 2008, 52, 361-362.	0.3	3

#	Article	IF	CITATIONS
19	Non-Enzymatic DNA Cleavage Reaction Induced by 5-Ethynyluracil in Methylamine Aqueous Solution and Application to DNA Concatenation. PLoS ONE, 2014, 9, e92369.	1.1	3
20	Fluorometric sensing of conformational switching of DNA; The use of fluorescence labeled C8-alkylamino substituted 2'-deoxyguanosine. Nucleic Acids Symposium Series, 2008, 52, 357-358.	0.3	1
21	Synthesis of C8-alkylamino substituted 2'-deoxyguanosine. Nucleic Acids Symposium Series, 2007, 51, 147-148.	0.3	Ο
22	Design of extremely facile 3'- and 5'- ends free molecular beacons using C8 alkylamino substituted 2'-deoxyguanosine. Nucleic Acids Symposium Series, 2009, 53, 141-142.	0.3	0
23	Photo-switching of vinylpyrene-substituted 2'-deoxyguanosine and its application. Nucleic Acids Symposium Series, 2009, 53, 193-194.	0.3	0