Kousuke Sato

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3051448/publications.pdf

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25	445	933447 10	713466 21
papers	citations	h-index	g-index

27	27	27	521
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization and Mechanism of Formation of Tandem Lesions in DNA by a Nucleobase Peroxyl Radical. Journal of the American Chemical Society, 2007, 129, 4089-4098.	13.7	81
2	Squaryl Group as a New Mimic of Phosphate Group in Modified Oligodeoxynucleotides:Â Synthesis and Properties of New Oligodeoxynucleotide Analogues Containing an Internucleotidic Squaryldiamide Linkage. Journal of the American Chemical Society, 2002, 124, 12715-12724.	13.7	61
3	Selective Detection of 5â€Formylâ€2â€²â€deoxyuridine, an Oxidative Lesion of Thymidine, in DNA by a Fluorogenic Reagent. Angewandte Chemie - International Edition, 2010, 49, 8392-8394.	13.8	46
4	Selective Detection of 2-Deoxyribonolactone in DNA. Journal of the American Chemical Society, 2005, 127, 2806-2807.	13.7	42
5	Synthesis and Properties of New Nucleotide Analogues Possessing Squaramide Moieties as New Phosphate Isosters. European Journal of Organic Chemistry, 2005, 2005, 5163-5170.	2.4	35
6	Fluorescence Properties of 5â€(5,6â€Dimethoxybenzothiazolâ€2â€yl)â€2â€²â€deoxyuridine (d^{bt}U) and Oligodeoxyribonucleotides Containing d^{bt}U. European Journal of Organic Chemistry, 2011, 2011, 6206-6217.	2.4	22
7	Tris(azidoethyl)amine Hydrochloride; a Versatile Reagent for Synthesis of Functionalized Dumbbell Oligodeoxynucleotides. Organic Letters, 2013, 15, 694-697.	4.6	17
8	Synthesis and Structural Properties of New Oligodeoxynucleotide Analogues Containing a 2â€²,5â€²-Internucleotidic Squaryldiamide Linkage Capable of Formation of a Watsonâ^'Crick Base Pair with Adenine and a Wobble Base Pair with Guanine at the 3â€²-Downstream Junction Site. European Journal of Organic Chemistry, 2004, 2004, 2142-2150.	2.4	16
9	Novel amino linkers enabling efficient labeling and convenient purification of amino-modified oligonucleotides. Bioorganic and Medicinal Chemistry, 2008, 16, 941-949.	3.0	16
10	Incorporation of 2â€²â€Deoxyâ€2â€²â€isonucleoside 5â€²â€Triphosphates (iNTPs) into DNA by Aâ€and Bâ€Family DNA Polymerases with Different Recognition Mechanisms. ChemBioChem, 2010, 11, 2597-2605.	2.6	11
11	Highly efficient enzymatic synthesis of 3â€²-deoxyapionucleic acid (apioNA) having the four natural nucleobases. Chemical Communications, 2011, 47, 8700.	4.1	11
12	Solid-Phase Modular Synthesis of Park Nucleotide and Lipids I and II Analogues. Chemical and Pharmaceutical Bulletin, 2018, 66, 84-95.	1.3	10
13	Mechanismâ€Based Inhibitor of DNA Cytosineâ€5 Methyltransferase by a S_NAr Reaction with an Oligodeoxyribonucleotide Containing a 2â€Aminoâ€4â€Halopyridineâ€Câ€Nucleoside. ChemBioChem, 2018, 19, 865-872.	2.6	9
14	Structure of the DNA (6â€“4) photoproduct dTT(6â€“4)TT in complex with the 64M-2 antibody Fab fragment implies increased antibody-binding affinity by the flanking nucleotides. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 232-238.	2.5	8
15	An oligodeoxyribonucleotide containing 5-formyl-2â€²-deoxycytidine (fC) at the CpG site forms a covalent complex with DNA cytosine-5 methyltransferases (DNMTs). Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5395-5398.	2.2	7
16	Effects of a Highâ€Affinity Antibody Fragment on DNA Polymerase Reactions Near a (6â€“4) Photoproduct Site. Photochemistry and Photobiology, 1999, 69, 226-230.	2.5	6
17	Synthesis and properties of a new oligonucleotide analogue containing an internucleotide squaryl amide linkage. Nucleic Acids Symposium Series, 2001, 1, 121-122.	0.3	6
18	Highly Fluorescent 5â€(5,6â€Dimethoxybenzothiazolâ€2â€yl)â€2â€²â€Deoxyuridine 5â€²â€Triphosphate as an Efficient Substrate for DNA Polymerases. ChemBioChem, 2011, 12, 2341-2346.	2.6	6

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19	Selective Transcription of an Unnatural Naphthyridine:Imidazopyridopyrimidine Base Pair Containing Four Hydrogen Bonds with T7 RNA Polymerase. Angewandte Chemie - International Edition, 2014, 53, 12844-12848.	13.8	5
20	Synthesis and properties of new fluorescent nucleosides and oligodeoxynucleotides derived from 5-formyl-2'-deoxyuridine. Nucleic Acids Symposium Series, 2009, 53, 135-136.	0.3	4
21	Improvement of S N Ar Reaction Rate by an Electronâ€Withdrawing Group in the Crosslinking of DNA Cytosineâ€5 Methyltransferase by a Covalent Oligodeoxyribonucleotide Inhibitor. ChemBioChem, 2018, 19, 1866-1872.	2.6	3
22	The Escherichia coli alkA Gene Is Activated to Alleviate Mutagenesis by an Oxidized Deoxynucleoside. Frontiers in Microbiology, 2020, 11, 263.	3.5	3
23	Interactions of High Affinity Anti (6-4) Photoproduct Antibody Fragments with Damaged DNA. Nucleosides & Nucleotides, 1999, 18, 1321-1322.	0.5	2
24	Synthesis of 2â€Aminoâ€4â€Fluoropyridineâ€•C â€Nucleoside Phosphoramidite for Incorporation into Oligonucleotides. Current Protocols in Nucleic Acid Chemistry, 2019, 77, e77.	0.5	2
25	Insight into the recognition mechanism of DNA cytosine-5 methyltransferases (DNMTs) by incorporation of acyclic 5-fluorocytosine (FC) nucleosides into DNA. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2189-2194.	2.2	1