

Kousuke Sato

List of Publications by Year in descending order

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521
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#	ARTICLE	IF	CITATIONS
1	The Escherichia coli alkA Gene Is Activated to Alleviate Mutagenesis by an Oxidized Deoxynucleoside. <i>Frontiers in Microbiology</i> , 2020, 11, 263.	3.5	3
2	Synthesis of 2-Amino-4-Fluoropyridine-C Nucleoside Phosphoramidite for Incorporation into Oligonucleotides. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2019, 77, e77.	0.5	2
3	Mechanism-Based Inhibitor of DNA Cytosine-5 Methyltransferase by a S _N Ar Reaction with an Oligodeoxyribonucleotide Containing a 2-Amino-4-Halopyridine-C Nucleoside. <i>ChemBioChem</i> , 2018, 19, 865-872.	1.8	9
4	Insight into the recognition mechanism of DNA cytosine-5 methyltransferases (DNMTs) by incorporation of acyclic 5-fluorocytosine (FC) nucleosides into DNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2189-2194.	2.2	1
5	Solid-Phase Modular Synthesis of Park Nucleotide and Lipids I and II Analogues. <i>Chemical and Pharmaceutical Bulletin</i> , 2018, 66, 84-95.	1.3	10
6	Improvement of S _N Ar Reaction Rate by an Electron-Withdrawing Group in the Crosslinking of DNA Cytosine-5 Methyltransferase by a Covalent Oligodeoxyribonucleotide Inhibitor. <i>ChemBioChem</i> , 2018, 19, 1866-1872.	2.6	3
7	An oligodeoxyribonucleotide containing 5-formyl-2-deoxycytidine (fC) at the CpG site forms a covalent complex with DNA cytosine-5 methyltransferases (DNMTs). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5395-5398.	2.2	7
8	Selective Transcription of an Unnatural Naphthyridine:Imidazopyridopyrimidine Base Pair Containing Four Hydrogen Bonds with T7 RNA Polymerase. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12844-12848.	13.8	5
9	Tris(azidoethyl)amine Hydrochloride; a Versatile Reagent for Synthesis of Functionalized Dumbbell Oligodeoxynucleotides. <i>Organic Letters</i> , 2013, 15, 694-697.	4.6	17
10	Structure of the DNA (6 ⁴) photoproduct dTT(6 ⁴)TT in complex with the 64M-2 antibody Fab fragment implies increased antibody-binding affinity by the flanking nucleotides. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 232-238.	2.5	8
11	Highly efficient enzymatic synthesis of 3-deoxyapionucleic acid (apioNA) having the four natural nucleobases. <i>Chemical Communications</i> , 2011, 47, 8700.	4.1	11
12	Fluorescence Properties of 5-(5,6-Dimethoxybenzothiazol-2-yl)-2-deoxyuridine (d ^{sup} bt ^{sup} U) and Oligodeoxyribonucleotides Containing d ^{sup} bt ^{sup} U. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6206-6217.	2.4	22
13	Highly Fluorescent 5-(5,6-Dimethoxybenzothiazol-2-yl)-2-deoxyuridine 5-Triphosphate as an Efficient Substrate for DNA Polymerases. <i>ChemBioChem</i> , 2011, 12, 2341-2346.	2.6	6
14	Incorporation of 2-Deoxy-2-Cisnucleoside 5-Triphosphates (iNTPs) into DNA by A- and B-Family DNA Polymerases with Different Recognition Mechanisms. <i>ChemBioChem</i> , 2010, 11, 2597-2605.	2.6	11
15	Selective Detection of 5-Formyl-2-deoxyuridine, an Oxidative Lesion of Thymidine, in DNA by a Fluorogenic Reagent. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8392-8394.	13.8	46
16	Synthesis and properties of new fluorescent nucleosides and oligodeoxynucleotides derived from 5-formyl-2'-deoxyuridine. <i>Nucleic Acids Symposium Series</i> , 2009, 53, 135-136.	0.3	4
17	Novel amino linkers enabling efficient labeling and convenient purification of amino-modified oligonucleotides. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 941-949.	3.0	16
18	Characterization and Mechanism of Formation of Tandem Lesions in DNA by a Nucleobase Peroxyl Radical. <i>Journal of the American Chemical Society</i> , 2007, 129, 4089-4098.	13.7	81

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19	Synthesis and Properties of New Nucleotide Analogues Possessing Squaramide Moieties as New Phosphate Isosters. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 5163-5170.	2.4	35
20	Selective Detection of 2-Deoxyribonolactone in DNA. <i>Journal of the American Chemical Society</i> , 2005, 127, 2806-2807.	13.7	42
21	Synthesis and Structural Properties of New Oligodeoxynucleotide Analogues Containing a 2'-5'-Internucleotidic Squaryldiamide Linkage Capable of Formation of a Watson-Crick Base Pair with Adenine and a Wobble Base Pair with Guanine at the 3'-Downstream Junction Site. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 2142-2150.	2.4	16
22	Squaryl Group as a New Mimic of Phosphate Group in Modified Oligodeoxynucleotides: Synthesis and Properties of New Oligodeoxynucleotide Analogues Containing an Internucleotidic Squaryldiamide Linkage. <i>Journal of the American Chemical Society</i> , 2002, 124, 12715-12724.	13.7	61
23	Synthesis and properties of a new oligonucleotide analogue containing an internucleotide squaryl amide linkage. <i>Nucleic Acids Symposium Series</i> , 2001, 1, 121-122.	0.3	6
24	Effects of a High-Affinity Antibody Fragment on DNA Polymerase Reactions Near a (6-4) Photoproduct Site. <i>Photochemistry and Photobiology</i> , 1999, 69, 226-230.	2.5	6
25	Interactions of High Affinity Anti (6-4) Photoproduct Antibody Fragments with Damaged DNA. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1321-1322.	0.5	2