

Kazumitsu Onizuka

List of Publications by Year in descending order

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papers

524
citations

687363

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docs citations

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453
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Alkene-alkene Photo-Cross-Linking on the Base-Flipping-Out Field in Duplex DNA. <i>Journal of Organic Chemistry</i> , 2022, 87, 2267-2276.	3.2	12
2	Hybridization-specific chemical reactions to create interstrand crosslinking and threaded structures of nucleic acids. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4699-4708.	2.8	6
3	Selective alkylation of parallel G-quadruplex structure. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2891-2894.	2.8	3
4	Development of Middle-Size Molecules for Alkylation to Higher-Order Structures of Nucleic Acids. , 2021, , 35-53.		0
5	Synthesis of crosslinked 2'-OMe RNA duplexes and their application for effective inhibition of miRNA function. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 48, 128257.	2.2	8
6	Functional G-Quadruplex Binding Molecules. <i>Chemistry Letters</i> , 2020, 49, 771-780.	1.3	13
7	Reactive OFF-ON type alkylating agents for higher-ordered structures of nucleic acids. <i>Nucleic Acids Research</i> , 2019, 47, 6578-6589.	14.5	13
8	Alkyne-alkyne Photo-cross-linking on the Flipping-out Field. <i>Organic Letters</i> , 2019, 21, 2833-2837.	4.6	14
9	Selective alkylation of T-mismatched DNA using vinyldiaminotriazine-acridine conjugate. <i>Nucleic Acids Research</i> , 2018, 46, 1059-1068.	14.5	17
10	Alkylating probes for the G-quadruplex structure and evaluation of the properties of the alkylated G-quadruplex DNA. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1436-1441.	2.8	12
11	Structural optimization of pseudorotaxane-forming oligonucleotides for efficient and stable complex formation. <i>Nucleic Acids Research</i> , 2018, 46, 8710-8719.	14.5	4
12	Vinyldiaminotriazine-acridine conjugate as G-quadruplex alkylating agent. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3551-3558.	3.0	11
13	Synthesis of native-like crosslinked duplex RNA and study of its properties. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2191-2199.	3.0	7
14	Synthesis and properties of cross-linkable DNA duplex using 4-amino-2-oxo-6-vinyl-1,3,5-triazine. <i>Tetrahedron</i> , 2017, 73, 1424-1435.	1.9	3
15	Pseudorotaxane formation via the slippage process with chemically cyclized oligonucleotides. <i>Nucleic Acids Research</i> , 2017, 45, 5036-5047.	14.5	8
16	Structure-Guided Control of siRNA Off-Target Effects. <i>Journal of the American Chemical Society</i> , 2016, 138, 8667-8669.	13.7	35
17	Guide Strand 3'-End Modifications Regulate siRNA Specificity. <i>ChemBioChem</i> , 2016, 17, 2340-2345.	2.6	10
18	Efficient Thymidine-Selective DNA Interstrand Photo-activated Crosslinking by the 6-Thioguanine Connected <i>via</i> an Ethylene-Linker to the 2'-Deoxyribose Unit. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 1315-1320.	1.3	9

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19	Site-Specific Modification of the 6-Amino Group of Adenosine in RNA by an Interstrand Functionality-Transfer Reaction With an S-Functionalized 4-Thiothymidine. <i>ChemBioChem</i> , 2015, 16, 1199-1204.	2.6	11
20	Stabilization of the i-motif structure by the intra-strand cross-link formation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3307-3310.	2.2	13
21	Phosphorylated 5-ethynyl-2-deoxyuridine for advanced DNA labeling. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4589-4595.	2.8	11
22	A new strategy for site-specific alkylation of DNA using oligonucleotides containing an abasic site and alkylating probes. <i>Chemical Communications</i> , 2015, 51, 14885-14888.	4.1	17
23	Remarkable acceleration of a DNA/RNA inter-strand functionality transfer reaction to modify a cytosine residue: the proximity effect via complexation with a metal cation. <i>Nucleic Acids Research</i> , 2014, 42, 8808-8815.	14.5	14
24	Automatic Pseudorotaxane Formation Targeting on Nucleic Acids Using a Pair of Reactive Oligodeoxynucleotides. <i>Journal of the American Chemical Society</i> , 2014, 136, 7201-7204.	13.7	13
25	Short Interfering RNA Guide Strand Modifiers from Computational Screening. <i>Journal of the American Chemical Society</i> , 2013, 135, 17069-17077.	13.7	22
26	4-vinyl-substituted pyrimidine nucleosides exhibit the efficient and selective formation of interstrand cross-links with RNA and duplex DNA. <i>Nucleic Acids Research</i> , 2013, 41, 6774-6781.	14.5	25
27	An efficient and simple method for site-selective modification of O ⁶ -methyl-2-deoxyguanosine in DNA. <i>Chemical Communications</i> , 2012, 48, 3969.	4.1	16
28	Oligodeoxynucleotide Containing S-Functionalized 2-Deoxy-6-Thioguanosine: Facile Tools for Base-Selective and Site-Specific Internal Modification of RNA. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2012, 48, Unit 4.49.1-16.	0.5	2
29	NEIL1 Binding to DNA Containing 2-Fluorothymidine Glycol Stereoisomers and the Effect of Editing. <i>ChemBioChem</i> , 2012, 13, 1338-1348.	2.6	13
30	The oligodeoxynucleotide probes for the site-specific modification of RNA. <i>Chemical Society Reviews</i> , 2011, 40, 5698.	38.1	29
31	Pin-point chemical modification of RNA with diverse molecules through the functionality transfer reaction and the copper-catalyzed azide-alkyne cycloaddition reaction. <i>Chemical Communications</i> , 2011, 47, 5004.	4.1	40
32	A new usage of functionalized oligodeoxynucleotide probe for site-specific modification of a guanine base within RNA. <i>Nucleic Acids Research</i> , 2010, 38, 1760-1766.	14.5	25
33	Activation and Alteration of Base Selectivity by Metal Cations in the Functionality-Transfer Reaction for RNA Modification. <i>Bioconjugate Chemistry</i> , 2010, 21, 1508-1512.	3.6	15
34	Site-specific modification of RNA by functionality-transfer ODN probes. <i>Nucleic Acids Symposium Series</i> , 2009, 53, 67-68.	0.3	3
35	A New Odorless Procedure for the Synthesis of 2-Deoxy-6-Thioguanosine and Its Incorporation into Oligodeoxynucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2009, 28, 752-760.	1.1	8
36	Site-Specific Covalent Modification of RNA Guided by Functionality-Transfer Oligodeoxynucleotides. <i>Bioconjugate Chemistry</i> , 2009, 20, 799-803.	3.6	43

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37	Stereoselective synthesis of (+)-2-deoxyolivin based on cycloaddition reaction between the homophthalic anhydride and the chiral cyclohexenone derivative. <i>Tetrahedron</i> , 2008, 64, 7211-7218.	1.9	13
38	Development of novel thioguanosine analogs with the ability to specifically modify cytidine. <i>Nucleic Acids Symposium Series</i> , 2007, 51, 5-6.	0.3	6