

Yasuaki Kimura

List of Publications by Year in descending order

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papers

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31
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	A Synthesis of Tamiflu by Using a Barium-Catalyzed Asymmetric Diels-Alder Type Reaction. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1070-1076.	13.8	114
2	Disulfide Unit Conjugation Enables Ultrafast Cytosolic Internalization of Antisense DNA and siRNA. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6611-6615.	13.8	70
3	Two Methods for Catalytic Generation of Reactive Enolates Promoted by a Chiral Poly Gd Complex: Application to Catalytic Enantioselective Protonation Reactions. <i>Journal of the American Chemical Society</i> , 2009, 131, 3858-3859.	13.7	51
4	A covalent G-site inhibitor for glutathione S-transferase Pi (GSTP ₁₋₁). <i>Chemical Communications</i> , 2017, 53, 11138-11141.	4.1	43
5	Phosphorothioate Modification of mRNA Accelerates the Rate of Translation Initiation to Provide More Efficient Protein Synthesis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17403-17407.	13.8	32
6	Catalytic Anomeric Aminoalkynylation of Unprotected Aldoses. <i>Organic Letters</i> , 2013, 15, 4130-4133.	4.6	27
7	Inhibition of MAO-A and stimulation of behavioural activities in mice by the inactive prodrug form of the anti-influenza agent oseltamivir. <i>British Journal of Pharmacology</i> , 2013, 169, 115-129.	5.4	22
8	A Covalent Inhibitor for Glutathione S-transferase Pi (GSTP ₁) in Human Cells. <i>ChemBioChem</i> , 2019, 20, 900-905.	2.6	20
9	Intracellular build-up RNAi with single-strand circular RNAs as siRNA precursors. <i>Chemical Communications</i> , 2020, 56, 466-469.	4.1	18
10	Design and synthesis of immobilized Tamiflu analog on resin for affinity chromatography. <i>Tetrahedron Letters</i> , 2009, 50, 3205-3208.	1.4	15
11	Supramolecular Ligands for Histone Tails by Employing a Multivalent Display of Trisulfonated Calix[4]arenes. <i>ChemBioChem</i> , 2015, 16, 2599-2604.	2.6	15
12	Disulfide Unit Conjugation Enables Ultrafast Cytosolic Internalization of Antisense DNA and siRNA. <i>Angewandte Chemie</i> , 2019, 131, 6683-6687.	2.0	15
13	Chemically synthesized circular RNAs with phosphoramidate linkages enable rolling circle translation. <i>Chemical Communications</i> , 2020, 56, 6217-6220.	4.1	15
14	Chemical ligation of oligonucleotides using an electrophilic phosphorothioester. <i>Nucleic Acids Research</i> , 2017, 45, 7042-7048.	14.5	12
15	⁶ -methyl adenosine in siRNA evades immune response without reducing RNAi activity. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2019, 38, 972-979.	1.1	12
16	Structure, Synthesis and Inhibition Mechanism of Nucleoside Analogues as HIV-1 Reverse Transcriptase Inhibitors (NRTIs). <i>ChemMedChem</i> , 2021, 16, 743-766.	3.2	11
17	Complete Chemical Synthesis of Minimal Messenger RNA by Efficient Chemical Capping Reaction. <i>ACS Chemical Biology</i> , 2022, 17, 1308-1314.	3.4	10
18	Antisense Oligonucleotide Modified with Disulfide Units Induces Efficient Exon Skipping in Myotubes through Enhanced Membrane Permeability and Nucleus Internalization. <i>ChemBioChem</i> , 2021, 22, 3437-3442.	2.6	6

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19	Free-Energy Calculation of Ribonucleic Inosines and Its Application to Nearest-Neighbor Parameters. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 5923-5935.	5.3	5
20	Intracellular Delivery of Antisense DNA and siRNA with Amino Groups Masked with Disulfide Units. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 129-132.	1.3	5
21	Phosphorothioate Modification of mRNA Accelerates the Rate of Translation Initiation to Provide More Efficient Protein Synthesis. <i>Angewandte Chemie</i> , 2020, 132, 17556-17560.	2.0	4
22	Chemical Ligation Reactions of Oligonucleotides for Biological and Medicinal Applications. <i>Chemical and Pharmaceutical Bulletin</i> , 2018, 66, 117-122.	1.3	3
23	Translational control by secondary-structure formation in mRNA in a eukaryotic system. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020, 39, 195-203.	1.1	3
24	Quantification of native mRNA dynamics in living neurons using fluorescence correlation spectroscopy and reduction-triggered fluorescent probes. <i>Journal of Biological Chemistry</i> , 2020, 295, 7923-7940.	3.4	3
25	Design and Synthesis of Resin-Conjugated Tamiflu Analogs for Affinity Chromatography. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 588-594.	1.9	2
26	A robust model for quantitative prediction of the silencing efficacy of wild-type and A-to-I edited miRNAs. <i>RNA Biology</i> , 2020, 17, 264-280.	3.1	1
27	Completely Chemically Synthesized Long DNA Can be Transcribed in Human Cells. <i>ChemBioChem</i> , 2021, 22, 3273-3276.	2.6	1
28	Synthesis and Biological Evaluation of NMDI14 Derivatives as Anti-Mesothelioma Agents. <i>Heterocycles</i> , 2020, 100, 253.	0.7	1
29	Development of Fluorophosphoramidate as a Biocompatibly Transformable Functional Group and its Application as a Phosphate Prodrug for Nucleoside Analogs. <i>ChemMedChem</i> , 2022, 17, .	3.2	0