

Montserrat Terrazas

List of Publications by Year in descending order

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papers

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37
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docs citations

37
times ranked

572
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular basis of Arginine and Lysine DNA sequence-dependent thermo-stability modulation. PLoS Computational Biology, 2022, 18, e1009749.	1.5	1
2	Mechanism of reaction of RNA-dependent RNA polymerase from SARS-CoV-2. Chem Catalysis, 2022, 2, 1084-1099.	2.9	20
3	The Impact of the HydroxyMethylCytosine epigenetic signature on DNA structure and function. PLoS Computational Biology, 2021, 17, e1009547.	1.5	6
4	Dynamics-Function Analysis in Catalytic RNA Using NMR Spin Relaxation and Conformationally Restricted Nucleotides. Methods in Molecular Biology, 2021, 2167, 183-202.	0.4	0
5	A multifunctional toolkit for target-directed cancer therapy. Chemical Communications, 2019, 55, 802-805.	2.2	1
6	An artificial DNAzyme RNA ligase shows a reaction mechanism resembling that of cellular polymerases. Nature Catalysis, 2019, 2, 544-552.	16.1	18
7	The Origins and the Biological Consequences of the Pur/Pyr DNA-RNA Asymmetry. Chem, 2019, 5, 1619-1631.	5.8	13
8	Efficient siRNA-peptide conjugation for specific targeted delivery into tumor cells. Chemical Communications, 2017, 53, 2870-2873.	2.2	16
9	Rational design of novel N-alkyl-N capped biostable RNA nanostructures for efficient long-term inhibition of gene expression. Nucleic Acids Research, 2016, 44, 4354-4367.	6.5	9
10	Can A Denaturant Stabilize DNA? Pyridine Reverses DNA Denaturation in Acidic pH. Angewandte Chemie - International Edition, 2015, 54, 10488-10491.	7.2	7
11	Modulation of the RNA Interference Activity Using Central Mismatched siRNAs and Acyclic Threoninol Nucleic Acids (aTNA) Units. Molecules, 2015, 20, 7602-7619.	1.7	15
12	RNA/aTNA Chimeras: RNAi Effects and Nucleases Resistance of Single and Double Stranded RNAs. Molecules, 2014, 19, 17872-17896.	1.7	13
13	Challenges and Opportunities for Oligonucleotide-Based Therapeutics by Antisense and RNA Interference Mechanisms. , 2014, , 227-242.		0
14	Synthesis, RNAi activity and nuclease-resistant properties of apolar carbohydrates siRNA conjugates. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4048-4051.	1.0	11
15	Functionalization of the 3' ends of DNA and RNA Strands with N-ethylcoupled Nucleosides: A Promising Approach To Avoid 3' Exonuclease-Catalyzed Hydrolysis of Therapeutic Oligonucleotides. ChemBioChem, 2013, 14, 510-520.	1.3	13
16	Pd-catalysed amidation of 2,6-dihalopurine nucleosides. Replacement of iodine at 0°C. Tetrahedron Letters, 2012, 53, 1358-1362.	0.7	8
17	A Direct, Efficient Method for the Preparation of siRNAs Containing Ribo-like North Bicyclo[3.1.0]hexane Pseudosugars. Organic Letters, 2011, 13, 2888-2891.	2.4	12
18	Synthesis and properties of small interfering RNA duplexes carrying 5-ethyluridine residues. Molecular Diversity, 2011, 15, 677-686.	2.1	4

#	ARTICLE	IF	CITATIONS
19	Effect of North Bicyclo[3.1.0]hexane 2-Deoxy-pseudosugars on RNA Interference: A Novel Class of siRNA Modification. <i>ChemBioChem</i> , 2011, 12, 1056-1065.	1.3	30
20	Inside Cover: Effect of North Bicyclo[3.1.0]hexane 2-Deoxy-pseudosugars on RNA Interference: A Novel Class of siRNA Modification (<i>ChemBioChem</i> 7/2011). <i>ChemBioChem</i> , 2011, 12, 974-974.	1.3	0
21	Synthesis of Oligonucleotide-Peptide Conjugates for Biomedical and Technological Applications. <i>Methods in Molecular Biology</i> , 2011, 751, 223-238.	0.4	9
22	Stepwise synthesis of oligonucleotide-peptide conjugates containing guanidinium and lipophilic groups in their 3-termini. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 2144-2147.	1.0	14
23	Modified siRNAs for the study of the PAZ domain. <i>Chemical Communications</i> , 2010, 46, 4270.	2.2	34
24	Synthesis and Properties of Oligonucleotides Carrying Isoquinoline Imidazo[1,2-a]azine Fluorescent Units. <i>Bioconjugate Chemistry</i> , 2010, 21, 1622-1628.	1.8	7
25	RNA major groove modifications improve siRNA stability and biological activity. <i>Nucleic Acids Research</i> , 2009, 37, 346-353.	6.5	79
26	A Multidisciplinary Approach for the Identification of Novel HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors: DABOCs and DAVPs. <i>ChemMedChem</i> , 2008, 3, 573-593.	1.6	37
27	Enzymatically Catalyzed DNA Synthesis Using dGMP , dCMP , and dTMP . <i>Chemistry and Biodiversity</i> , 2008, 5, 31-39.	1.0	23
28	Discovery of Non-Nucleoside Inhibitors of HIV-1 Reverse Transcriptase Competing with the Nucleotide Substrate. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1810-1813.	7.2	19
29	Advantages of the Ns group in the reactions of N1-SO ₂ R inosines with benzylamine and with 15NH ₃ . <i>Tetrahedron Letters</i> , 2005, 46, 5127-5130.	0.7	3
30	A novel nucleophilic approach to 1-alkyladenosines. A two-step synthesis of [1- ¹⁵ N]adenosine from inosine. <i>Chemical Communications</i> , 2005, , 3968.	2.2	8
31	[N,1- ¹⁵ N]-2-Deoxyadenosines. <i>Organic Letters</i> , 2005, 7, 2477-2479.	2.4	8
32	A Direct, Efficient Method for the Preparation of N ₆ -Protected ¹⁵ N-Labeled Adenosines. <i>Journal of Organic Chemistry</i> , 2004, 69, 5473-5475.	1.7	11