Saul Martinez-Montero

List of Publications by Year
in descending order

19 papers	491 citations	759233 12 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	629 citing authors

#	Article	IF	Citations
1	Structure of human IFIT1 with capped RNA reveals adaptable mRNA binding and mechanisms for sensing N1 and N2 ribose 2â€²-O methylations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2106-E2115.	7.1	86
2	4â€²-C-Methoxy-2â€²-deoxy-2â€²-fluoro Modified Ribonucleotides Improve Metabolic Stability and Elicit Efficient RNAi-Mediated Gene Silencing. Journal of the American Chemical Society, 2017, 139, 14542-14555.	13.7	49
3	Antibody-Antisense Oligonucleotide Conjugate Downregulates a Key Gene in Glioblastoma Stem Cells. Molecular Therapy - Nucleic Acids, 2018, 11, 518-527.	5.1	48
4	Rigid 2â€²,4â€²-Difluororibonucleosides: Synthesis, Conformational Analysis, and Incorporation into Nascent RNA by HCV Polymerase. Journal of Organic Chemistry, 2014, 79, 5627-5635.	3.2	44
5	Locked 2â€²-Deoxy-2â€²,4â€²-Difluororibo Modified Nucleic Acids: Thermal Stability, Structural Studies, and siRNA Activity. ACS Chemical Biology, 2015, 10, 2016-2023.	3.4	40
6	Adjusting the Structure of 2â€²-Modified Nucleosides and Oligonucleotides via C4â€²-Î±-F or C4â€²-Î±-OMe Substitution: Synthesis and Conformational Analysis. Journal of Organic Chemistry, 2018, 83, 9839-9849.	3.2	33
7	Synthesis and Properties of 2â€²-Deoxy-2â€²,4â€²-difluoroarabinose-Modified Nucleic Acids. Journal of Organic Chemistry, 2015, 80, 3083-3091.	3.2	32
8	Synthesis, evaluation of anti-HIV-1 and anti-HCV activity of novel 2â€²,3â€²-dideoxy-2â€²,2â€²-difluoro-4â€²-azanucleosides. Bioorganic and Medicinal Chemistry, 2012, 20, 6885-6893.	3.0	25
9	Design and Divergent Synthesis of Aza Nucleosides from a Chiral Imino Sugar. Journal of Organic Chemistry, 2012, 77, 4671-4678.	3.2	20
10	An expedient biocatalytic procedure for abasic site precursors useful in oligonucleotide synthesis. Organic and Biomolecular Chemistry, 2011, 9, 5960.	2.8	18
11	Effect of Sugar 2â€²,4â€²-Modifications on Gene Silencing Activity of siRNA Duplexes. Nucleic Acid Therapeutics, 2019, 29, 187-194.	3.6	16
12	Improved Synthesis and Isolation of 2â€²â€Oâ€Methyladenosine: Effective and Scalable Enzymatic Separation of 2â€²/3â€²â€Oâ€Methyladenosine Regioisomers. European Journal of Organic Chemistry, 2009, 2009, 3265-3271.	2.4	14
13	CALâ€Bâ€Catalyzed Acylation of Nucleosides and Role of the Sugar Conformation: An Improved Understanding of the Enzymeâ€Substrate Recognition. European Journal of Organic Chemistry, 2012, 2012, 5483-5490.	2.4	12
14	Seven-Membered Ring Nucleoside Analogues: Stereoselective Synthesis and Studies on Their Conformational Properties. Organic Letters, 2015, 17, 5416-5419.	4.6	12
15	Enzymatic Parallel Kinetic Resolution of Mixtures ofd/l2â€²-Deoxy and Ribonucleosides: An Approach for the Isolation of Î²-l-Nucleosidesâ€. Journal of Organic Chemistry, 2010, 75, 6605-6613.	3.2	11
16	Nucleotide Sugar Pucker Preference Mitigates Excision by HIV-1 RT. ACS Chemical Biology, 2015, 10, 2024-2033.	3.4	11
17	Chemoenzymatic Synthesis of 3â€²â€Oâ€Acetalâ€Protected 2â€²â€Deoxynucleosides as Building Blocks for Nucleic Acid Chemistry. European Journal of Organic Chemistry, 2010, 2010, 1736-1744.	2.4	8
18	Carrier-free Gene Silencing by Amphiphilic Nucleic Acid Conjugates in Differentiated Intestinal Cells. Molecular Therapy - Nucleic Acids, 2016, 5, e364.	5.1	8

#	Article	IF	Citations
19	Synthesis, Structure, and Conformational Analysis of Nucleoside Analogues Comprising Sixâ€Membered 1,3â€Oxathiane Sugar Rings. European Journal of Organic Chemistry, 2015, 2015, 1945-1953.	2.4	2