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List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	2-OMe-phosphorodithioate-modified siRNAs show increased loading into the RISC complex and enhanced anti-tumour activity. <i>Nature Communications</i> , 2014, 5, 3459.	12.8	103
2	Evoking picomolar binding in RNA by a single phosphorodithioate linkage. <i>Nucleic Acids Research</i> , 2016, 44, 8052-8064.	14.5	94
3	<i>Escherichia coli</i> tRNA 2-selenouridine synthase (SelU) converts S ² RNA to Se ² RNA via S-geranylated intermediate. <i>FEBS Letters</i> , 2018, 592, 2248-2258.	2.8	36
4	S-Geranyl-2-thiouridine wobble nucleosides of bacterial tRNAs; chemical and enzymatic synthesis of S-geranylated-RNAs and their physicochemical characterization. <i>Nucleic Acids Research</i> , 2016, 44, 10986-10998.	14.5	30
5	Crystal structure, stability and Ago2 affinity of phosphorodithioate-modified RNAs. <i>RSC Advances</i> , 2014, 4, 64901-64904.	3.6	24
6	Specific Silencing of L392V/PSEN1 Mutant Allele by RNA Interference. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-14.	2.0	13
7	RNA interference in silencing of genes of Alzheimer's disease in cellular and rat brain models. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 41-42.	0.3	12
8	Evaluation of BACE1 Silencing in Cellular Models. <i>International Journal of Alzheimer's Disease</i> , 2009, 2009, 1-10.	2.0	9
9	Longer 19-Base Pair Short Interfering RNA Duplexes Rather Than Shorter Duplexes Trigger RNA Interference. <i>Oligonucleotides</i> , 2010, 20, 199-206.	2.7	8
10	Cytochrome <i>b₅</i> Catalyzes the Hydrogen Peroxide-Assisted Oxidative Desulfuration of 2-Thiouridines in Transfer RNAs. <i>ChemBioChem</i> , 2018, 19, 687-695.	2.6	7
11	<i>Escherichia coli</i> tRNA 2-selenouridine synthase SelU selects its prenyl substrate to accomplish its enzymatic function. <i>Bioorganic Chemistry</i> , 2022, 122, 105739.	4.1	7
12	<i>Escherichia coli</i> tRNA 2-Selenouridine Synthase (SelU): Elucidation of Substrate Specificity to Understand the Role of S-Geranyl-tRNA in the Conversion of 2-Thio- into 2-Selenouridines in Bacterial tRNA. <i>Cells</i> , 2022, 11, 1522.	4.1	7
13	RNAi mediated silencing of cyclin-dependent kinases of G1 phase slows down the cell-cycle progression and reduces apoptosis. <i>Acta Neurobiologiae Experimentalis</i> , 2015, 75, 36-47.	0.7	4
14	Reaction of S-geranyl-2-thiouracil modified oligonucleotides with alkyl amines leads to the N2-alkyl isocytosine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5332-5336.	2.8	3
15	Sgt1 Regulates \pm -Synuclein Subcellular Localization and Expression of Parkinson's Disease Related Genes, PINK1 and PARK9. <i>Biomolecules</i> , 2021, 11, 1675.	4.0	1
16	Knockdown of Severe Acute Respiratory Syndrome Corona Virus (SARS-CoV) Genes by Small Interfering RNA (siRNA) Using siRNA-expression Vectors and Synthetic Double-stranded RNA (dsRNA) as a Model for siRNA Design. <i>Genes and Environment</i> , 2009, 31, 15-23.	2.1	0