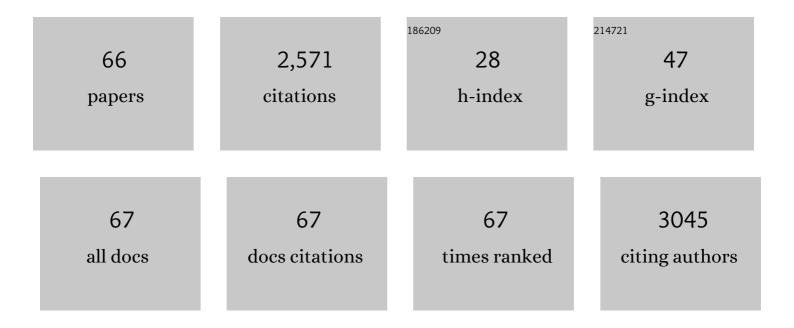
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Oligonucleotide-directed RNA editing in primates. Molecular Therapy, 2022, , .	3.7	1
2	Ester modification at the $3\hat{a}\in^2$ end of anti-microRNA oligonucleotides increases potency of microRNA inhibition. Bioorganic and Medicinal Chemistry, 2021, 29, 115894.	1.4	3
3	Regulation of RNA editing by intracellular acidification. Nucleic Acids Research, 2021, 49, 4020-4036.	6.5	18
4	Rational Design of RNA Editing Guide Strands: Cytidine Analogs at the Orphan Position. Journal of the American Chemical Society, 2021, 143, 6865-6876.	6.6	12
5	High-throughput mutagenesis reveals unique structural features of human ADAR1. Nature Communications, 2020, 11, 5130.	5.8	8
6	DNA capture by a CRISPR-Cas9–guided adenine base editor. Science, 2020, 369, 566-571.	6.0	114
7	Chemical Profiling of Aâ€ŧoâ€I RNA Editing Using a Clickâ€Compatible Phenylacrylamide. Chemistry - A European Journal, 2020, 26, 9874-9878.	1.7	13
8	Asymmetric dimerization of adenosine deaminase acting on RNA facilitates substrate recognition. Nucleic Acids Research, 2020, 48, 7958-7972.	6.5	33
9	Versatile 3′ Functionalization of CRISPR Single Guide RNA. ChemBioChem, 2020, 21, 1633-1640.	1.3	10
10	Off-Target Editing by CRISPR-Guided DNA Base Editors. Biochemistry, 2019, 58, 3727-3734.	1.2	40
11	RNA binding candidates for human ADAR3 from substrates of a gain of function mutant expressed in neuronal cells. Nucleic Acids Research, 2019, 47, 10801-10814.	6.5	17
12	A Bump-Hole Approach for Directed RNA Editing. Cell Chemical Biology, 2019, 26, 269-277.e5.	2.5	28
13	Nucleoside analogs in the study of the epitranscriptome. Methods, 2019, 156, 46-52.	1.9	6
14	Selective Recognition of RNA Substrates by ADAR Deaminase Domains. Biochemistry, 2018, 57, 1640-1651.	1.2	35
15	Identifying metabolites by integrating metabolome databases with mass spectrometry cheminformatics. Nature Methods, 2018, 15, 53-56.	9.0	368
16	TLR8 activation and inhibition by guanosine analogs in RNA: Importance of functional groups and chain length. Bioorganic and Medicinal Chemistry, 2018, 26, 77-83.	1.4	13
17	Structural basis for eukaryotic mRNA modification. Current Opinion in Structural Biology, 2018, 53, 59-68.	2.6	18
18	Differentiating Positional Isomers of Nucleoside Modifications by Higher-Energy Collisional Dissociation Mass Spectrometry (HCD MS). Journal of the American Society for Mass Spectrometry, 2018, 29, 1745-1756.	1.2	43

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19	How do ADARs bind RNA? New proteinâ€RNA structures illuminate substrate recognition by the RNA editing ADARs. BioEssays, 2017, 39, 1600187.	1.2	41
20	Synthesis of native-like crosslinked duplex RNA and study of its properties. Bioorganic and Medicinal Chemistry, 2017, 25, 2191-2199.	1.4	7
21	DNA editing in DNA/RNA hybrids by adenosine deaminases that act on RNA. Nucleic Acids Research, 2017, 45, gkx050.	6.5	53
22	Effects of Aicardi-Goutières syndrome mutations predicted from ADAR-RNA structures. RNA Biology, 2017, 14, 164-170.	1.5	22
23	Adenosine Deaminases That Act on RNA (ADARs). The Enzymes, 2017, 41, 215-268.	0.7	29
24	Controlling miRNA-like off-target effects of an siRNA with nucleobase modifications. Organic and Biomolecular Chemistry, 2017, 15, 10029-10036.	1.5	30
25	Structure-Guided Control of siRNA Off-Target Effects. Journal of the American Chemical Society, 2016, 138, 8667-8669.	6.6	35
26	Structures of human ADAR2 bound to dsRNA reveal base-flipping mechanism and basis for site selectivity. Nature Structural and Molecular Biology, 2016, 23, 426-433.	3.6	154
27	Guide Strand 3′â€End Modifications Regulate siRNA Specificity. ChemBioChem, 2016, 17, 2340-2345.	1.3	10
28	Probing RNA recognition by human ADAR2 using a high-throughput mutagenesis method. Nucleic Acids Research, 2016, 44, 9872-9880.	6.5	27
29	Synthesis and evaluation of an alkyne-modified ATP analog for enzymatic incorporation into RNA. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 1799-1802.	1.0	28
30	A Fluorescent Adenosine Analogue as a Substrate for an Aâ€ŧoâ€ŀ RNA Editing Enzyme. Angewandte Chemie - International Edition, 2015, 54, 8713-8716.	7.2	30
31	Tethering in RNA: An RNA-Binding Fragment Discovery Tool. Molecules, 2015, 20, 4148-4161.	1.7	1
32	Recognition of duplex RNA by the deaminase domain of the RNA editing enzyme ADAR2. Nucleic Acids Research, 2015, 43, 1123-1132.	6.5	38
33	On-Enzyme Refolding Permits Small RNA and tRNA Surveillance by the CCA-Adding Enzyme. Cell, 2015, 160, 644-658.	13.5	61
34	A Phenotypic Screen for Functional Mutants of Human Adenosine Deaminase Acting on RNA 1. ACS Chemical Biology, 2015, 10, 2512-2519.	1.6	23
35	Base Modification Strategies to Modulate Immune Stimulation by an siRNA. ChemBioChem, 2015, 16, 262-267.	1.3	20
36	Click Modification of RNA at Adenosine: Structure and Reactivity of 7-Ethynyl- and 7-Triazolyl-8-aza-7-deazaadenosine in RNA. ACS Chemical Biology, 2014, 9, 1780-1787.	1.6	29

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37	Short Interfering RNA Guide Strand Modifiers from Computational Screening. Journal of the American Chemical Society, 2013, 135, 17069-17077.	6.6	22
38	RNA-Seq Analysis Identifies a Novel Set of Editing Substrates for Human ADAR2 Present in Saccharomyces cerevisiae. Biochemistry, 2013, 52, 7857-7869.	1.2	38
39	Nucleoside analog studies indicate mechanistic differences between RNA-editing adenosine deaminases. Nucleic Acids Research, 2012, 40, 9825-9835.	6.5	23
40	7-Substituted 8-aza-7-deazaadenosines for modification of the siRNA major groove. Organic and Biomolecular Chemistry, 2012, 10, 6491.	1.5	15
41	Novel Modifications in RNA. ACS Chemical Biology, 2012, 7, 100-109.	1.6	67
42	Nucleobase and Ribose Modifications Control Immunostimulation by a MicroRNA-122-mimetic RNA. Journal of the American Chemical Society, 2011, 133, 9200-9203.	6.6	70
43	ADAR Proteins: Structure and Catalytic Mechanism. Current Topics in Microbiology and Immunology, 2011, 353, 1-33.	0.7	48
44	Chemical Modification of siRNA Bases To Probe and Enhance RNA Interference. Journal of Organic Chemistry, 2011, 76, 7295-7300.	1.7	87
45	Covalent stabilization of a small molecule–RNA complex. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5002-5005.	1.0	6
46	Covalent hydration energies for purine analogs by quantum chemical methods. Journal of Computational Chemistry, 2010, 31, 721-725.	1.5	6
47	RNA editing changes the lesion specificity for the DNA repair enzyme NEIL1. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20715-20719.	3.3	132
48	<i>N</i> ² -Modified 2-aminopurine ribonucleosides as minor-groove-modulating adenosine replacements in duplex RNA. Organic Letters, 2010, 12, 1044-1047.	2.4	41
49	Minor-Groove-Modulating Adenosine Replacements Control Protein Binding and RNAi Activity in siRNAs. ACS Chemical Biology, 2010, 5, 1115-1124.	1.6	21
50	Matching Active Site and Substrate Structures for an RNA Editing Reaction. Journal of the American Chemical Society, 2009, 131, 11882-11891.	6.6	27
51	Probing Adenosine-to-Inosine Editing Reactions Using RNA-Containing Nucleoside Analogs. Methods in Enzymology, 2007, 424, 369-386.	0.4	16
52	The Chemistry and Biology of RNA editing by Adenosine Deaminases. Nucleic Acids Symposium Series, 2007, 51, 83-84.	0.3	7
53	C6-Substituted Analogues of 8-Azanebularine:  Probes of an RNA-Editing Enzyme Active Site. Organic Letters, 2006, 8, 3753-3756.	2.4	14
54	High-Throughput Screening for Functional Adenosine to Inosine RNA Editing Systems. ACS Chemical Biology, 2006, 1, 761-765.	1.6	24

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55	Duplex RNA-Binding Enzymes: Headliners from Neurobiology, Virology, and Development. ChemBioChem, 2005, 6, 257-266.	1.3	4
56	The Binding Selectivity of ADAR2's dsRBMs Contributes to RNA-Editing Selectivity. Chemistry and Biology, 2004, 11, 1239-1250.	6.2	67
57	A Transition State Analogue for an RNA-Editing Reaction. Journal of the American Chemical Society, 2004, 126, 11213-11219.	6.6	35
58	Substrate Analogues for an RNA-Editing Adenosine Deaminase:Â Mechanistic Investigation and Inhibitor Design. Journal of the American Chemical Society, 2003, 125, 10867-10876.	6.6	61
59	6-Bromopurine Nucleosides as Reagents for Nucleoside Analogue Synthesis. Journal of Organic Chemistry, 2001, 66, 8592-8598.	1.7	69
60	Selective Binding by the RNA Binding Domain of PKR Revealed by Affinity Cleavageâ€. Biochemistry, 2001, 40, 4272-4280.	1.2	33
61	Synthesis and Analysis of RNA Containing 6-Trifluoromethylpurine Ribonucleoside. Organic Letters, 2001, 3, 2969-2972.	2.4	34
62	Conformational Changes That Occur during an RNA-editing Adenosine Deamination Reaction. Journal of Biological Chemistry, 2001, 276, 37827-37833.	1.6	53
63	Site-specific modification and RNA crosslinking of the RNA-binding domain of PKR. Nucleic Acids Research, 2000, 28, 1899-1905.	6.5	9
64	Solid-Phase Synthesis of Acridineâ^'Peptide Conjugates and Their Analysis by Tandem Mass Spectrometry. Organic Letters, 2000, 2, 1465-1468.	2.4	34
65	Demethylation of 6-O-Methylinosine by an RNA-Editing Adenosine Deaminase. Journal of the American Chemical Society, 2000, 122, 11537-11538.	6.6	20
66	Analysis of the RNA-Editing Reaction of ADAR2 with Structural and Fluorescent Analogues of the GluR-B R/G Editing Site. Biochemistry, 2000, 39, 12243-12251.	1.2	62