

Virginie Marchand

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6480674/virginie-marchand-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

1,759

citations

23

h-index

41

g-index

71

ext. papers

2,340

ext. citations

9.6

avg, IF

5.13

L-index

#	Paper	IF	Citations
63	2-D structure of the A region of Xist RNA and its implication for PRC2 association. <i>PLoS Biology</i> , 2010 , 8, e1000276	9.7	192
62	Evidence for rRNA 2FO-methylation plasticity: Control of intrinsic translational capabilities of human ribosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 12934-12939	11.5	128
61	Illumina-based RiboMethSeq approach for mapping of 2FO-Me residues in RNA. <i>Nucleic Acids Research</i> , 2016 , 44, e135	20.1	116
60	Drosophila PTB promotes formation of high-order RNP particles and represses oskar translation. <i>Genes and Development</i> , 2009 , 23, 195-207	12.6	93
59	FTSJ3 is an RNA 2FO-methyltransferase recruited by HIV to avoid innate immune sensing. <i>Nature</i> , 2019 , 565, 500-504	50.4	91
58	Control of RNP motility and localization by a splicing-dependent structure in oskar mRNA. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 441-9	17.6	85
57	A Janus splicing regulatory element modulates HIV-1 tat and rev mRNA production by coordination of hnRNP A1 cooperative binding. <i>Journal of Molecular Biology</i> , 2002 , 323, 629-52	6.5	81
56	Identification of sites of 2FO-methylation vulnerability in human ribosomal RNAs by systematic mapping. <i>Scientific Reports</i> , 2017 , 7, 11490	4.9	67
55	RNA ribose methylation (2FO-methylation): Occurrence, biosynthesis and biological functions. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019 , 1862, 253-269	6	66
54	AlkAniline-Seq: Profiling of m G and m C RNA Modifications at Single Nucleotide Resolution. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16785-16790	16.4	66
53	Alternative splicing: regulation of HIV-1 multiplication as a target for therapeutic action. <i>FEBS Journal</i> , 2010 , 277, 867-76	5.7	63
52	Engineering of a DNA Polymerase for Direct m A Sequencing. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 417-421	16.4	50
51	APRDX1 mutant allele causes a MMACHC secondary epimutation in cblC patients. <i>Nature Communications</i> , 2018 , 9, 67	17.4	45
50	Ribosomal Proteins Regulate MHC Class I Peptide Generation for Immunosurveillance. <i>Molecular Cell</i> , 2019 , 73, 1162-1173.e5	17.6	42
49	An intracellular transmission control protocol: assembly and transport of ribonucleoprotein complexes. <i>Current Opinion in Cell Biology</i> , 2012 , 24, 202-10	9	37
48	High-throughput sequencing for 1-methyladenosine (m(1)A) mapping in RNA. <i>Methods</i> , 2016 , 107, 110-24.6	24.6	35
47	Identification of protein partners of the human immunodeficiency virus 1 tat/rev exon 3 leads to the discovery of a new HIV-1 splicing regulator, protein hnRNP K. <i>RNA Biology</i> , 2011 , 8, 325-42	4.8	32

46	A Vastly Increased Chemical Variety of RNA Modifications Containing a Thioacetal Structure. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7893-7897	16.4	31
45	Next-Generation Sequencing-Based RiboMethSeq Protocol for Analysis of tRNA 2FO-Methylation. <i>Biomolecules</i> , 2017 , 7,	5.9	30
44	HydraPsiSeq: a method for systematic and quantitative mapping of pseudouridines in RNA. <i>Nucleic Acids Research</i> , 2020 , 48, e110	20.1	27
43	Detection and Analysis of RNA Ribose 2FO-Methylations: Challenges and Solutions. <i>Genes</i> , 2018 , 9,	4.2	26
42	Role of RNA structure and protein factors in the control of HIV-1 splicing. <i>Frontiers in Bioscience - Landmark</i> , 2009 , 14, 2714-29	2.8	23
41	FTO-mediated cytoplasmic mA demethylation adjusts stem-like properties in colorectal cancer cell. <i>Nature Communications</i> , 2021 , 12, 1716	17.4	23
40	Machine learning of reverse transcription signatures of variegated polymerases allows mapping and discrimination of methylated purines in limited transcriptomes. <i>Nucleic Acids Research</i> , 2020 , 48, 3734-3746	20.1	20
39	Drosophila Ge-1 promotes P body formation and oskar mRNA localization. <i>PLoS ONE</i> , 2011 , 6, e20612	3.7	20
38	tRNA 2FO-methylation by a duo of TRM7/FTSJ1 proteins modulates small RNA silencing in Drosophila. <i>Nucleic Acids Research</i> , 2020 , 48, 2050-2072	20.1	17
37	The EJC binding and dissociating activity of PYM is regulated in Drosophila. <i>PLoS Genetics</i> , 2014 , 10, e1004455	17.4	17
36	Diversity and heterogeneity of extracellular RNA in human plasma. <i>Biochimie</i> , 2019 , 164, 22-36	4.6	16
35	2,6-Diaminopurine as a highly potent corrector of UGA nonsense mutations. <i>Nature Communications</i> , 2020 , 11, 1509	17.4	16
34	Absolute Quantification of Noncoding RNA by Microscale Thermophoresis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9565-9569	16.4	15
33	Analysis of RNA Modifications by Second- and Third-Generation Deep Sequencing: 2020 Update. <i>Genes</i> , 2021 , 12,	4.2	15
32	Entwicklung einer DNA-Polymerase für die direkte m6A-Sequenzierung. <i>Angewandte Chemie</i> , 2018 , 130, 424-428	3.6	14
31	2F-methylation within prokaryotic and eukaryotic tRNA inhibits innate immune activation by endosomal Toll-like receptors but does not affect recognition of whole organisms. <i>Rna</i> , 2019 , 25, 869-880 ⁵⁸	5.8	12
30	Holistic Optimization of Bioinformatic Analysis Pipeline for Detection and Quantification of 2FO-Methylations in RNA by RiboMethSeq. <i>Frontiers in Genetics</i> , 2020 , 11, 38	4.5	12
29	Ribosomal RNA 2FO-methylation as a novel layer of inter-tumour heterogeneity in breast cancer. <i>NAR Cancer</i> , 2020 , 2, zcaa036	5.2	12

28	NOseq: amplicon sequencing evaluation method for RNA m6A sites after chemical deamination. <i>Nucleic Acids Research</i> , 2021 , 49, e23	20.1	12
27	Survey and Validation of tRNA Modifications and Their Corresponding Genes in <i>sp</i> Subtilis Strain 168. <i>Biomolecules</i> , 2020 , 10,	5.9	10
26	Double methylation of tRNA-U54 to 2FO-methylthymidine (Tm) synergistically decreases immune response by Toll-like receptor 7. <i>Nucleic Acids Research</i> , 2018 , 46, 9764-9775	20.1	10
25	Cell culture NAIL-MS allows insight into human tRNA and rRNA modification dynamics in vivo. <i>Nature Communications</i> , 2021 , 12, 389	17.4	10
24	Quantification of 2FO-Me Residues in RNA Using Next-Generation Sequencing (Illumina RiboMethSeq Protocol). <i>Methods in Molecular Biology</i> , 2018 , 1649, 29-48	1.4	9
23	Mapping and Quantification of tRNA 2FO-Methylation by RiboMethSeq. <i>Methods in Molecular Biology</i> , 2019 , 1870, 273-295	1.4	8
22	Bacterial tRNA 2FO-methylation is dynamically regulated under stress conditions and modulates innate immune response. <i>Nucleic Acids Research</i> , 2020 , 48, 12833-12844	20.1	8
21	High-Throughput Mapping of 2FO-Me Residues in RNA Using Next-Generation Sequencing (Illumina RiboMethSeq Protocol). <i>Methods in Molecular Biology</i> , 2017 , 1562, 171-187	1.4	7
20	Instrumental analysis of RNA modifications. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2021 , 56, 178-204	8.7	7
19	Graphical Workflow System for Modification Calling by Machine Learning of Reverse Transcription Signatures. <i>Frontiers in Genetics</i> , 2019 , 10, 876	4.5	6
18	Mapping rRNA 2FO-methylations and identification of C/D snoRNAs in <i>Arabidopsis thaliana</i> plants. <i>RNA Biology</i> , 2021 , 18, 1760-1777	4.8	6
17	Manganese Ions Individually Alter the Reverse Transcription Signature of Modified Ribonucleosides. <i>Genes</i> , 2020 , 11,	4.2	5
16	Structural and functional analysis of the Rous Sarcoma virus negative regulator of splicing and demonstration of its activation by the 9G8 SR protein. <i>Nucleic Acids Research</i> , 2011 , 39, 3388-403	20.1	4
15	Balancing of mitochondrial translation through METTL8-mediated mC modification of mitochondrial tRNAs. <i>Molecular Cell</i> , 2021 , 81, 4810-4825.e12	17.6	4
14	Implication of repeat insertion domains in the trans-activity of the long non-coding RNA ANRIL. <i>Nucleic Acids Research</i> , 2021 , 49, 4954-4970	20.1	3
13	Analysis of pseudouridines and other RNA modifications using HydraPsiSeq protocol. <i>Methods</i> , 2021 ,	4.6	3
12	Constitutive and variable 2FO-methylation (Nm) in human ribosomal RNA. <i>RNA Biology</i> , 2021 , 1-10	4.8	3
11	Study of RNA-Protein Interactions and RNA Structure in Ribonucleoprotein Particles		2

10	Non-Redundant tRNA Reference Sequences for Deep Sequencing Analysis of tRNA Abundance and Epitranscriptomic RNA Modifications. <i>Genes</i> , 2021 , 12,	4.2	2
9	Quantification and quality control of a small non-coding RNA preparation. <i>Methods in Molecular Biology</i> , 2015 , 1296, 17-28	1.4	1
8	AlkAniline-Seq: A Highly Sensitive and Specific Method for Simultaneous Mapping of 7-Methyl-guanosine (mG) and 3-Methyl-cytosine (mC) in RNAs by High-Throughput Sequencing. <i>Methods in Molecular Biology</i> , 2021 , 2298, 77-95	1.4	1
7	Mapping of 7-methylguanosine (mG), 3-methylcytidine (mC), dihydrouridine (D) and 5-hydroxycytidine (hoC) RNA modifications by AlkAniline-Seq. <i>Methods in Enzymology</i> , 2021 , 658, 25-47	1.7	1
6	Ribosomal RNA 2F-methylations regulate translation by impacting ribosome dynamics.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2117334119	11.5	1
5	Systematic mapping of rRNA 2FO methylation during frog development and involvement of the methyltransferase Fibrillarin in eye and craniofacial development in <i>Xenopus laevis</i> .. <i>PLoS Genetics</i> , 2022 , 18, e1010012	6	0
4	Isolation, Extraction and Deep-Sequencing Analysis of Extracellular RNAs (exRNAs) from Human Plasma. <i>Methods in Molecular Biology</i> , 2021 , 2300, 165-182	1.4	0
3	Study of RNAProtein Interactions and RNA Structure in Ribonucleoprotein Particles (RNPs) 2014 , 975-1016		
2	Quantitative and Qualitative Assessment of Small RNA Preparations. <i>Methods in Molecular Biology</i> , 2021 , 2300, 17-29	1.4	
1	AlkAniline-Seq: Profiling of m7G and m3C RNA Modifications at Single Nucleotide Resolution. <i>Angewandte Chemie</i> , 2018 , 130, 17027-17032	3.6	