Ramesh S Pillai

List of Publications by Year
in descending order

31 papers	3,637 citations	331670 21 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	4606 citing authors

#	Article	IF	Citations
1	Repression of protein synthesis by miRNAs: how many mechanisms?. Trends in Cell Biology, 2007, 17, 118-126.	7.9	1,007
2	Regulation of m6A Transcripts by the 3Ê¹â†'5Ê¹ RNA Helicase YTHDC2 Is Essential for a Successful Meiotic Program in the Mammalian Germline. Molecular Cell, 2017, 68, 374-387.e12.	9.7	370
3	Tethering of human Ago proteins to mRNA mimics the miRNA-mediated repression of protein synthesis. Rna, 2004, 10, 1518-1525.	3.5	350
4	Methylation of Structured RNA by the m6A Writer METTL16 Is Essential for Mouse Embryonic Development. Molecular Cell, 2018, 71, 986-1000.e11.	9.7	250
5	RNA Clamping by Vasa Assembles a piRNA Amplifier Complex on Transposon Transcripts. Cell, 2014, 157, 1698-1711.	28.9	208
6	Mouse MOV10L1 associates with Piwi proteins and is an essential component of the Piwi-interacting RNA (piRNA) pathway. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11841-11846.	7.1	204
7	The RNA helicase MOV10L1 binds piRNA precursors to initiate piRNA processing. Genes and Development, 2015, 29, 617-629.	5.9	143
8	A Role for Fkbp6 and the Chaperone Machinery in piRNA Amplification and Transposon Silencing. Molecular Cell, 2012, 47, 970-979.	9.7	126
9	piRNAs and their involvement in male germline development in mice. Development Growth and Differentiation, 2012, 54, 78-92.	1.5	122
10	PIWI Slicing and RNA Elements in Precursors Instruct Directional Primary piRNA Biogenesis. Cell Reports, 2015, 12, 418-428.	6.4	113
11	Splice site m6A methylation prevents binding of U2AF35 to inhibit RNA splicing. Cell, 2021, 184, 3125-3142.e25.	28.9	103
12	Impact of nuclear Piwi elimination on chromatin state in Drosophila melanogaster ovaries. Nucleic Acids Research, 2014, 42, 6208-6218.	14.5	77
13	The MID-PIWI module of Piwi proteins specifies nucleotide- and strand-biases of piRNAs. Rna, 2014, 20, 773-781.	3.5	75
14	Distinct Roles of RNA Helicases MVH and TDRD9 in PIWI Slicing-Triggered Mammalian piRNA Biogenesis and Function. Developmental Cell, 2017, 41, 623-637.e9.	7.0	65
15	PIWI Slicing and EXD1 Drive Biogenesis of Nuclear piRNAs from Cytosolic Targets of the Mouse piRNA Pathway. Molecular Cell, 2016, 61, 138-152.	9.7	63
16	Recruitment of Armitage and Yb to a transcript triggers its phased processing into primary piRNAs in Drosophila ovaries. PLoS Genetics, 2017, 13, e1006956.	3.5	57
17	The Mammalian Cap-Specific m6Am RNA Methyltransferase PCIF1 Regulates Transcript Levels in Mouse Tissues. Cell Reports, 2020, 32, 108038.	6.4	50
18	TEX15 associates with MILI and silences transposable elements in male germ cells. Genes and Development, 2020, 34, 745-750.	5.9	33

#	Article	IF	Citations
19	The XRN1-regulated RNA helicase activity of YTHDC2 ensures mouse fertility independently of m6A recognition. Molecular Cell, 2022, 82, 1678-1690.e12.	9.7	31
20	Decapping Enzyme NUDT12 Partners with BLMH for Cytoplasmic Surveillance of NAD-Capped RNAs. Cell Reports, 2019, 29, 4422-4434.e13.	6.4	30
21	Metazoan Maelstrom is an RNA-binding protein that has evolved from an ancient nuclease active in protists. Rna, 2015, 21, 833-839.	3.5	26
22	YTHDC2 is essential for pachytene progression and prevents aberrant microtubule-driven telomere clustering in male meiosis. Cell Reports, 2021, 37, 110110.	6.4	24
23	Mutations in the MOV10L1 ATP Hydrolysis Motif Cause piRNA Biogenesis Failure and Male Sterility in Mice. Biology of Reproduction, 2016, 95, 103-103.	2.7	23
24	Transposon silencing in the<i>Drosophila</i>female germline is essential for genome stability in progeny embryos. Life Science Alliance, 2018, 1, e201800179.	2.8	20
25	Exonuclease Domain-Containing 1 Enhances MIWI2 piRNA Biogenesis via Its Interaction with TDRD12. Cell Reports, 2018, 24, 3423-3432.e4.	6.4	17
26	Counting the Cuts: MAZTER-Seq Quantifies m6A Levels Using a Methylation-Sensitive Ribonuclease. Cell, 2019, 178, 515-517.	28.9	17
27	Primary pi RNA biogenesis: caught up in a Maelstrom. EMBO Journal, 2014, 33, 1979-1980.	7.8	11
28	Characterization of the mammalian RNA exonuclease 5/NEF-sp as a testis-specific nuclear 3â€² â†’ 5â€² exoribonuclease. Rna, 2017, 23, 1385-1392.	3.5	10
29	Fly piRNA biogenesis: tap dancing with Tej. BMC Biology, 2014, 12, 77.	3.8	6
30	Nxf3: a middleman with the right connections for unspliced piRNA precursor export. Genes and Development, 2019, 33, 1095-1097.	5.9	6
31	An RNA exporter that enforces a no-export policy. Nature Structural and Molecular Biology, 2019, 26, 758-759.	8.2	0