

# Danesh Moazed

## List of Publications by Year in descending order

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79  
papers

13,299  
citations

38738

50  
h-index

66906

78  
g-index

93  
all docs

93  
docs citations

93  
times ranked

10340  
citing authors

#	ARTICLE	IF	CITATIONS
1	RNAi-Mediated Targeting of Heterochromatin by the RITS Complex. <i>Science</i> , 2004, 303, 672-676.	12.6	1,110
2	Heterochromatin and Epigenetic Control of Gene Expression. <i>Science</i> , 2003, 301, 798-802.	12.6	926
3	RNA-mediated epigenetic regulation of gene expression. <i>Nature Reviews Genetics</i> , 2015, 16, 71-84.	16.3	832
4	Small RNAs in transcriptional gene silencing and genome defence. <i>Nature</i> , 2009, 457, 413-420.	27.8	773
5	Exit from Mitosis Is Triggered by Tem1-Dependent Release of the Protein Phosphatase Cdc14 from Nucleolar RENT Complex. <i>Cell</i> , 1999, 97, 233-244.	28.9	684
6	Two RNAi Complexes, RITS and RDRC, Physically Interact and Localize to Noncoding Centromeric RNAs. <i>Cell</i> , 2004, 119, 789-802.	28.9	506
7	Identification of a Class of Small Molecule Inhibitors of the Sirtuin Family of NAD-dependent Deacetylases by Phenotypic Screening. <i>Journal of Biological Chemistry</i> , 2001, 276, 38837-38843.	3.4	482
8	An Enzymatic Activity in the Yeast Sir2 Protein that Is Essential for Gene Silencing. <i>Cell</i> , 1999, 99, 735-745.	28.9	384
9	RITS acts in cis to promote RNA interference-mediated transcriptional and post-transcriptional silencing. <i>Nature Genetics</i> , 2004, 36, 1174-1180.	21.4	375
10	Net1, a Sir2-Associated Nucleolar Protein Required for rDNA Silencing and Nucleolar Integrity. <i>Cell</i> , 1999, 97, 245-256.	28.9	366
11	Tethering RITS to a Nascent Transcript Initiates RNAi- and Heterochromatin-Dependent Gene Silencing. <i>Cell</i> , 2006, 125, 873-886.	28.9	355
12	Steps in Assembly of Silent Chromatin in Yeast: Sir3-Independent Binding of a Sir2/Sir4 Complex to Silencers and Role for Sir2-Dependent Deacetylation. <i>Molecular and Cellular Biology</i> , 2002, 22, 4167-4180.	2.3	275
13	RNA-dependent RNA polymerase is an essential component of a self-enforcing loop coupling heterochromatin assembly to siRNA production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 152-157.	7.1	263
14	Epigenetic inheritance uncoupled from sequence-specific recruitment. <i>Science</i> , 2015, 348, 1258699.	12.6	256
15	Common Themes in Mechanisms of Gene Silencing. <i>Molecular Cell</i> , 2001, 8, 489-498.	9.7	252
16	The nuclear envelope in genome organization, expression and stability. <i>Nature Reviews Molecular Cell Biology</i> , 2010, 11, 317-328.	37.0	248
17	A Deubiquitinating Enzyme Interacts with SIR4 and Regulates Silencing in <i>S. cerevisiae</i> . <i>Cell</i> , 1996, 86, 667-677.	28.9	244
18	Assembly of the SIR Complex and Its Regulation by O <sup>6</sup> -Acetyl-ADP-Ribose, a Product of NAD-Dependent Histone Deacetylation. <i>Cell</i> , 2005, 121, 515-527.	28.9	242

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19	RNAi and Heterochromatin Assembly. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a019323.	5.5	236
20	RNAi-Dependent and -Independent RNA Turnover Mechanisms Contribute to Heterochromatic Gene Silencing. <i>Cell</i> , 2007, 129, 707-721.	28.9	226
21	Role for perinuclear chromosome tethering in maintenance of genome stability. <i>Nature</i> , 2008, 456, 667-670.	27.8	215
22	Transcription and RNAi in heterochromatic gene silencing. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 1041-1048.	8.2	211
23	Mechanisms for the Inheritance of Chromatin States. <i>Cell</i> , 2011, 146, 510-518.	28.9	207
24	Association of the RENT complex with nontranscribed and coding regions of rDNA and a regional requirement for the replication fork block protein Fob1 in rDNA silencing. <i>Genes and Development</i> , 2003, 17, 2162-2176.	5.9	203
25	HP1 Proteins Form Distinct Complexes and Mediate Heterochromatic Gene Silencing by Nonoverlapping Mechanisms. <i>Molecular Cell</i> , 2008, 32, 778-790.	9.7	195
26	Sir2 Regulates Histone H3 Lysine 9 Methylation and Heterochromatin Assembly in Fission Yeast. <i>Current Biology</i> , 2003, 13, 1240-1246.	3.9	185
27	TRAMP-mediated RNA surveillance prevents spurious entry of RNAs into the <i>Schizosaccharomyces pombe</i> siRNA pathway. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 1015-1023.	8.2	173
28	Enzymatic activities of Sir2 and chromatin silencing. <i>Current Opinion in Cell Biology</i> , 2001, 13, 232-238.	5.4	159
29	Dicer-Independent Primal RNAs Trigger RNAi and Heterochromatin Formation. <i>Cell</i> , 2010, 140, 504-516.	28.9	156
30	A Cullin E3 Ubiquitin Ligase Complex Associates with Rik1 and the Clr4 Histone H3-K9 Methyltransferase and is Required for RNAi-Mediated Heterochromatin Formation. <i>RNA Biology</i> , 2005, 2, 106-111.	3.1	149
31	Role of the Conserved Sir3-BAH Domain in Nucleosome Binding and Silent Chromatin Assembly. <i>Molecular Cell</i> , 2007, 28, 1015-1028.	9.7	145
32	Inhibition of homologous recombination by a cohesin-associated clamp complex recruited to the rDNA recombination enhancer. <i>Genes and Development</i> , 2006, 20, 2887-2901.	5.9	144
33	Coupling of Double-Stranded RNA Synthesis and siRNA Generation in Fission Yeast RNAi. <i>Molecular Cell</i> , 2007, 27, 449-461.	9.7	134
34	RNAi-directed assembly of heterochromatin in fission yeast. <i>FEBS Letters</i> , 2005, 579, 5872-5878.	2.8	124
35	DNA sequence-dependent epigenetic inheritance of gene silencing and histone H3K9 methylation. <i>Science</i> , 2017, 356, 88-91.	12.6	107
36	Two different Argonaute complexes are required for siRNA generation and heterochromatin assembly in fission yeast. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 200-207.	8.2	105

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37	siRNA-Mediated Heterochromatin Establishment Requires HP1 and Is Associated with Antisense Transcription. <i>Molecular Cell</i> , 2008, 31, 178-189.	9.7	98
38	Unique roles for histone H3K9me states in RNAi and heritable silencing of transcription. <i>Nature</i> , 2017, 547, 463-467.	27.8	96
39	Epigenetic inheritance mediated by coupling of RNAi and histone H3K9 methylation. <i>Nature</i> , 2018, 558, 615-619.	27.8	91
40	Post-transcriptional regulation of meiotic genes by a nuclear RNA silencing complex. <i>Rna</i> , 2014, 20, 867-881.	3.5	90
41	A Nonhistone Protein-Protein Interaction Required for Assembly of the SIR Complex and Silent Chromatin. <i>Molecular and Cellular Biology</i> , 2005, 25, 4514-4528.	2.3	85
42	Reconstitution of Heterochromatin-Dependent Transcriptional Gene Silencing. <i>Molecular Cell</i> , 2009, 35, 769-781.	9.7	77
43	Native Chromatin Proteomics Reveals a Role for Specific Nucleoporins in Heterochromatin Organization and Maintenance. <i>Molecular Cell</i> , 2020, 77, 51-66.e8.	9.7	75
44	Budding Yeast Silencing Complexes and Regulation of Sir2 Activity by Protein-Protein Interactions. <i>Molecular and Cellular Biology</i> , 2004, 24, 6931-6946.	2.3	73
45	Recombinational Repair within Heterochromatin Requires ATP-Dependent Chromatin Remodeling. <i>Cell</i> , 2009, 138, 1109-1121.	28.9	73
46	The Methyltransferase Activity of Clr4Suv39h Triggers RNAi Independently of Histone H3K9 Methylation. <i>Molecular Cell</i> , 2010, 39, 360-372.	9.7	63
47	Structure of the Coiled-Coil Dimerization Motif of Sir4 and Its Interaction with Sir3. <i>Structure</i> , 2003, 11, 637-649.	3.3	60
48	Centromere Assembly and Propagation. <i>Cell</i> , 2007, 128, 647-650.	28.9	59
49	Automethylation-induced conformational switch in Clr4 (Suv39h) maintains epigenetic stability. <i>Nature</i> , 2018, 560, 504-508.	27.8	59
50	Heterochromatin protein Sir3 induces contacts between the amino terminus of histone H4 and nucleosomal DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8495-8500.	7.1	57
51	Determinants of Heterochromatic siRNA Biogenesis and Function. <i>Molecular Cell</i> , 2014, 53, 262-276.	9.7	56
52	Sir3-Nucleosome Interactions in Spreading of Silent Chromatin in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2008, 28, 6903-6918.	2.3	54
53	A Model for Step-Wise Assembly of Heterochromatin in Yeast. <i>Novartis Foundation Symposium</i> , 2008, , 48-62.	1.1	35
54	Small-RNA loading licenses Argonaute for assembly into a transcriptional silencing complex. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 328-335.	8.2	34

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55	Affinity Pull-Down of Proteins Using Anti-FLAG M2 Agarose Beads. <i>Methods in Enzymology</i> , 2015, 559, 99-110.	1.0	32
56	An Alpha Motif at Tas3 C Terminus Mediates RITS cis Spreading and Promotes Heterochromatic Gene Silencing. <i>Molecular Cell</i> , 2009, 34, 155-167.	9.7	31
57	A conserved RNA degradation complex required for spreading and epigenetic inheritance of heterochromatin. <i>ELife</i> , 2020, 9, .	6.0	31
58	Heterochromatin assembly by interrupted Sir3 bridges across neighboring nucleosomes. <i>ELife</i> , 2016, 5, .	6.0	30
59	A microRNA negative feedback loop downregulates vesicle transport and inhibits fear memory. <i>ELife</i> , 2016, 5, .	6.0	29
60	Heterochromatic Gene Silencing by Activator Interference and a Transcription Elongation Barrier*. <i>Journal of Biological Chemistry</i> , 2013, 288, 28771-28782.	3.4	26
61	A model for step-wise assembly of heterochromatin in yeast. <i>Novartis Foundation Symposium</i> , 2004, 259, 48-56; discussion 56-62, 163-9.	1.1	26
62	Rejoiceâ€™RNAi for Yeast. <i>Science</i> , 2009, 326, 533-534.	12.6	24
63	Evolving Models of Heterochromatin: From Foci to Liquid Droplets. <i>Molecular Cell</i> , 2017, 67, 725-727.	9.7	23
64	Affinity Purification of Protein Complexes Using TAP Tags. <i>Methods in Enzymology</i> , 2015, 559, 37-52.	1.0	21
65	Coimmunoprecipitation of Proteins from Yeast. <i>Methods in Enzymology</i> , 2014, 541, 13-26.	1.0	19
66	A composite DNA element that functions as a maintainer required for epigenetic inheritance of heterochromatin. <i>Molecular Cell</i> , 2021, 81, 3979-3991.e4.	9.7	18
67	Rixosomal RNA degradation contributes to silencing of Polycomb target genes. <i>Nature</i> , 2022, 604, 167-174.	27.8	18
68	New Alleles of SIR2 Define Cell-Cycle-Specific Silencing Functions. <i>Genetics</i> , 2006, 173, 1939-1950.	2.9	16
69	Distinct Functions of Argonaute Slicer in siRNA Maturation and Heterochromatin Formation. <i>Molecular Cell</i> , 2016, 63, 191-205.	9.7	15
70	Silencing repetitive DNA. <i>ELife</i> , 2017, 6, .	6.0	15
71	Chromatin affinity-precipitation using a small metabolic molecule: its application to analysis of O-acetyl-ADP-ribose. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 641-650.	5.4	11
72	Clr4 specificity and catalytic activity beyond H3K9 methylation. <i>Biochimie</i> , 2017, 135, 83-88.	2.6	9

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73	Recognition of Acetylated Proteins. <i>Structure</i> , 2002, 10, 1290-1292.	3.3	5
74	A piRNA to Remember. <i>Cell</i> , 2012, 149, 512-514.	28.9	4
75	Evaluation of the Nucleolar Localization of the RENT Complex to Ribosomal DNA by Chromatin Immunoprecipitation Assays. <i>Methods in Molecular Biology</i> , 2017, 1505, 195-213.	0.9	3
76	CSR-1 Slices a Balance. <i>Cell</i> , 2016, 165, 267-269.	28.9	2
77	Chromatin: A Tail of Repression. <i>Current Biology</i> , 2013, 23, R456-R459.	3.9	1
78	Real-Time Quantitative PCR and Fluorescence In Situ Hybridization for Subcellular Localization of miRNAs in Neurons. <i>Methods in Molecular Biology</i> , 2022, 2417, 1-17.	0.9	1
79	Role of Non-coding RNAs in Heterochromatin Formation. <i>FASEB Journal</i> , 2008, 22, 534.1.	0.5	0