Danesh Moazed

List of Publications by Year
in descending order

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79	13,299	38742 50	66911 78
papers	citations	h-index	g-index

93	93	93	10340
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Real-Time Quantitative PCR and Fluorescence In Situ Hybridization for Subcellular Localization of miRNAs in Neurons. Methods in Molecular Biology, 2022, 2417, 1-17.	0.9	1
2	Rixosomal RNA degradation contributes to silencing of Polycomb target genes. Nature, 2022, 604, 167-174.	27.8	18
3	A composite DNA element that functions as a maintainer required for epigenetic inheritance of heterochromatin. Molecular Cell, 2021, 81, 3979-3991.e4.	9.7	18
4	Native Chromatin Proteomics Reveals a Role for Specific Nucleoporins in Heterochromatin Organization and Maintenance. Molecular Cell, 2020, 77, 51-66.e8.	9.7	75
5	A conserved RNA degradation complex required for spreading and epigenetic inheritance of heterochromatin. ELife, 2020, 9, .	6.0	31
6	Automethylation-induced conformational switch in Clr4 (Suv39h) maintains epigenetic stability. Nature, 2018, 560, 504-508.	27.8	59
7	Epigenetic inheritance mediated by coupling of RNAi and histone H3K9 methylation. Nature, 2018, 558, 615-619.	27.8	91
8	Clr4 specificity and catalytic activity beyond H3K9 methylation. Biochimie, 2017, 135, 83-88.	2.6	9
9	Unique roles for histone H3K9me states in RNAi and heritable silencing of transcription. Nature, 2017, 547, 463-467.	27.8	96
10	DNA sequence-dependent epigenetic inheritance of gene silencing and histone H3K9 methylation. Science, 2017, 356, 88-91.	12.6	107
11	Evolving Models of Heterochromatin: From Foci to Liquid Droplets. Molecular Cell, 2017, 67, 725-727.	9.7	23
12	Evaluation of the Nucleolar Localization of the RENT Complex to Ribosomal DNA by Chromatin Immunoprecipitation Assays. Methods in Molecular Biology, 2017, 1505, 195-213.	0.9	3
13	Silencing repetitive DNA. ELife, 2017, 6, .	6.0	15
14	Distinct Functions of Argonaute Slicer in siRNA Maturation and Heterochromatin Formation. Molecular Cell, 2016, 63, 191-205.	9.7	15
15	CSR-1 Slices a Balance. Cell, 2016, 165, 267-269.	28.9	2
16	Heterochromatin assembly by interrupted Sir3 bridges across neighboring nucleosomes. ELife, 2016, 5, .	6.0	30
17	A microRNA negative feedback loop downregulates vesicle transport and inhibits fear memory. ELife, 2016, 5, .	6.0	29
18	RNA-mediated epigenetic regulation of gene expression. Nature Reviews Genetics, 2015, 16, 71-84.	16.3	832

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19	RNAi and Heterochromatin Assembly. Cold Spring Harbor Perspectives in Biology, 2015, 7, a019323.	5.5	236
20	Affinity Pull-Down of Proteins Using Anti-FLAG M2 Agarose Beads. Methods in Enzymology, 2015, 559, 99-110.	1.0	32
21	Affinity Purification of Protein Complexes Using TAP Tags. Methods in Enzymology, 2015, 559, 37-52.	1.0	21
22	Small-RNA loading licenses Argonaute for assembly into a transcriptional silencing complex. Nature Structural and Molecular Biology, 2015, 22, 328-335.	8.2	34
23	Epigenetic inheritance uncoupled from sequence-specific recruitment. Science, 2015, 348, 1258699.	12.6	256
24	Post-transcriptional regulation of meiotic genes by a nuclear RNA silencing complex. Rna, 2014, 20, 867-881.	3.5	90
25	Determinants of Heterochromatic siRNA Biogenesis and Function. Molecular Cell, 2014, 53, 262-276.	9.7	56
26	Coimmunoprecipitation of Proteins from Yeast. Methods in Enzymology, 2014, 541, 13-26.	1.0	19
27	Chromatin: A Tail of Repression. Current Biology, 2013, 23, R456-R459.	3.9	1
28	Heterochromatic Gene Silencing by Activator Interference and a Transcription Elongation Barrier*. Journal of Biological Chemistry, 2013, 288, 28771-28782.	3.4	26
29	Heterochromatin protein Sir3 induces contacts between the amino terminus of histone H4 and nucleosomal DNA. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8495-8500.	7.1	57
30	A piRNA to Remember. Cell, 2012, 149, 512-514.	28.9	4
31	Chromatin affinity-precipitation using a small metabolic molecule: its application to analysis of O-acetyl-ADP-ribose. Cellular and Molecular Life Sciences, 2012, 69, 641-650.	5.4	11
32	Mechanisms for the Inheritance of Chromatin States. Cell, 2011, 146, 510-518.	28.9	207
33	The nuclear envelope in genome organization, expression and stability. Nature Reviews Molecular Cell Biology, 2010, 11, 317-328.	37.0	248
34	The Methyltransferase Activity of Clr4Suv39h Triggers RNAi Independently of Histone H3K9 Methylation. Molecular Cell, 2010, 39, 360-372.	9.7	63
35	Dicer-Independent Primal RNAs Trigger RNAi and Heterochromatin Formation. Cell, 2010, 140, 504-516.	28.9	156
36	Rejoiceâ€”RNAi for Yeast. Science, 2009, 326, 533-534.	12.6	24

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37	Small RNAs in transcriptional gene silencing and genome defence. Nature, 2009, 457, 413-420.	27.8	773
38	Recombinational Repair within Heterochromatin Requires ATP-Dependent Chromatin Remodeling. Cell, 2009, 138, 1109-1121.	28.9	73
39	An Alpha Motif at Tas3 C Terminus Mediates RITS cis Spreading and Promotes Heterochromatic Gene Silencing. Molecular Cell, 2009, 34, 155-167.	9.7	31
40	Reconstitution of Heterochromatin-Dependent Transcriptional Gene Silencing. Molecular Cell, 2009, 35, 769-781.	9.7	77
41	Role for perinuclear chromosome tethering in maintenance of genome stability. Nature, 2008, 456, 667-670.	27.8	215
42	TRAMP-mediated RNA surveillance prevents spurious entry of RNAs into the Schizosaccharomyces pombe siRNA pathway. Nature Structural and Molecular Biology, 2008, 15, 1015-1023.	8.2	173
43	siRNA-Mediated Heterochromatin Establishment Requires HP1 and Is Associated with Antisense Transcription. Molecular Cell, 2008, 31, 178-189.	9.7	98
44	HP1 Proteins Form Distinct Complexes and Mediate Heterochromatic Gene Silencing by Nonoverlapping Mechanisms. Molecular Cell, 2008, 32, 778-790.	9.7	195
45	Sir3-Nucleosome Interactions in Spreading of Silent Chromatin in Saccharomyces cerevisiae. Molecular and Cellular Biology, 2008, 28, 6903-6918.	2.3	54
46	A Model for Step-Wise Assembly of Heterochromatin in Yeast. Novartis Foundation Symposium, 2008, , 48-62.	1.1	35
47	Role of Nonâ€coding RNAs in Heterochromatin Formation. FASEB Journal, 2008, 22, 534.1.	0.5	0
48	Centromere Assembly and Propagation. Cell, 2007, 128, 647-650.	28.9	59
49	RNAi-Dependent and -Independent RNAÂTurnover Mechanisms Contribute toÂHeterochromatic Gene Silencing. Cell, 2007, 129, 707-721.	28.9	226
50	Coupling of Double-Stranded RNA Synthesis and siRNA Generation in Fission Yeast RNAi. Molecular Cell, 2007, 27, 449-461.	9.7	134
51	Role of the Conserved Sir3-BAH Domain in Nucleosome Binding and Silent Chromatin Assembly. Molecular Cell, 2007, 28, 1015-1028.	9.7	145
52	Two different Argonaute complexes are required for siRNA generation and heterochromatin assembly in fission yeast. Nature Structural and Molecular Biology, 2007, 14, 200-207.	8.2	105
53	Transcription and RNAi in heterochromatic gene silencing. Nature Structural and Molecular Biology, 2007, 14, 1041-1048.	8.2	211
54	Tethering RITS to a Nascent Transcript Initiates RNAi- and Heterochromatin-Dependent Gene Silencing. Cell, 2006, 125, 873-886.	28.9	355

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55	New Alleles of SIR2 Define Cell-Cycle-Specific Silencing Functions. Genetics, 2006, 173, 1939-1950.	2.9	16
56	Inhibition of homologous recombination by a cohesin-associated clamp complex recruited to the rDNA recombination enhancer. Genes and Development, 2006, 20, 2887-2901.	5.9	144
57	A Cullin E3 Ubiquitin Ligase Complex Associates with Rik1 and the Clr4 Histone H3-K9 Methyltransferase and is Required for RNAi-Mediated Heterochromatin Formation. RNA Biology, 2005, 2, 106-111.	3.1	149
58	RNA-dependent RNA polymerase is an essential component of a self-enforcing loop coupling heterochromatin assembly to siRNA production. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 152-157.	7.1	263
59	A Nonhistone Protein-Protein Interaction Required for Assembly of the SIR Complex and Silent Chromatin. Molecular and Cellular Biology, 2005, 25, 4514-4528.	2.3	85
60	Assembly of the SIR Complex and Its Regulation by O -Acetyl-ADP-Ribose, a Product of NAD-Dependent Histone Deacetylation. Cell, 2005, 121, 515-527.	28.9	242
61	RNAi-directed assembly of heterochromatin in fission yeast. FEBS Letters, 2005, 579, 5872-5878.	2.8	124
62	Budding Yeast Silencing Complexes and Regulation of Sir2 Activity by Protein-Protein Interactions. Molecular and Cellular Biology, 2004, 24, 6931-6946.	2.3	73
63	RITS acts in cis to promote RNA interferenceâ€“mediated transcriptional and post-transcriptional silencing. Nature Genetics, 2004, 36, 1174-1180.	21.4	375
64	RNAi-Mediated Targeting of Heterochromatin by the RITS Complex. Science, 2004, 303, 672-676.	12.6	1,110
65	Two RNAi Complexes, RITS and RDRC, Physically Interact and Localize to Noncoding Centromeric RNAs. Cell, 2004, 119, 789-802.	28.9	506
66	A model for step-wise assembly of heterochromatin in yeast. Novartis Foundation Symposium, 2004, 259, 48-56; discussion 56-62, 163-9.	1.1	26
67	Heterochromatin and Epigenetic Control of Gene Expression. Science, 2003, 301, 798-802.	12.6	926
68	Sir2 Regulates Histone H3 Lysine 9 Methylation and Heterochromatin Assembly in Fission Yeast. Current Biology, 2003, 13, 1240-1246.	3.9	185
69	Structure of the Coiled-Coil Dimerization Motif of Sir4 and Its Interaction with Sir3. Structure, 2003, 11, 637-649.	3.3	60
70	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. Genes and Development, 2003, 17, 2162-2176.	5.9	203
71	Steps in Assembly of Silent Chromatin in Yeast: Sir3-Independent Binding of a Sir2/Sir4 Complex to Silencers and Role for Sir2-Dependent Deacetylation. Molecular and Cellular Biology, 2002, 22, 4167-4180.	2.3	275
72	Recognition of Acetylated Proteins. Structure, 2002, 10, 1290-1292.	3.3	5

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73	Common Themes in Mechanisms of Gene Silencing. Molecular Cell, 2001, 8, 489-498.	9.7	252
74	Identification of a Class of Small Molecule Inhibitors of the Sirtuin Family of NAD-dependent Deacetylases by Phenotypic Screening. Journal of Biological Chemistry, 2001, 276, 38837-38843.	3.4	482
75	Enzymatic activities of Sir2 and chromatin silencing. Current Opinion in Cell Biology, 2001, 13, 232-238.	5.4	159
76	Exit from Mitosis Is Triggered by Tem1-Dependent Release of the Protein Phosphatase Cdc14 from Nucleolar RENT Complex. Cell, 1999, 97, 233-244.	28.9	684
77	Net1, a Sir2-Associated Nucleolar Protein Required for rDNA Silencing and Nucleolar Integrity. Cell, 1999, 97, 245-256.	28.9	366
78	An Enzymatic Activity in the Yeast Sir2 Protein that Is Essential for Gene Silencing. Cell, 1999, 99, 735-745.	28.9	384
79	A Deubiquitinating Enzyme Interacts with SIR4 and Regulates Silencing in S. cerevisiae. Cell, 1996, 86, 667-677.	28.9	244