

Simon Moxon

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

11,690
citations

182225

30
h-index

156644

58
g-index

63
all docs

63
docs citations

63
times ranked

19458
citing authors

#	ARTICLE	IF	CITATIONS
1	The Pfam protein families database. <i>Nucleic Acids Research</i> , 2004, 32, 138D-141.	6.5	3,084
2	Pfam: clans, web tools and services. <i>Nucleic Acids Research</i> , 2006, 34, D247-D251.	6.5	2,030
3	Rfam: annotating non-coding RNAs in complete genomes. <i>Nucleic Acids Research</i> , 2004, 33, D121-D124.	6.5	1,255
4	Butterfly genome reveals promiscuous exchange of mimicry adaptations among species. <i>Nature</i> , 2012, 487, 94-98.	13.7	1,086
5	Rapid transcriptional plasticity of duplicated gene clusters enables a clonally reproducing aphid to colonise diverse plant species. <i>Genome Biology</i> , 2017, 18, 27.	3.8	624
6	Deep sequencing of tomato short RNAs identifies microRNAs targeting genes involved in fruit ripening. <i>Genome Research</i> , 2008, 18, 1602-1609.	2.4	423
7	Identification of grapevine microRNAs and their targets using high throughput sequencing and degradome analysis. <i>Plant Journal</i> , 2010, 62, 960-76.	2.8	335
8	The UEA sRNA workbench: a suite of tools for analysing and visualizing next generation sequencing microRNA and small RNA datasets. <i>Bioinformatics</i> , 2012, 28, 2059-2061.	1.8	301
9	A toolkit for analysing large-scale plant small RNA datasets. <i>Bioinformatics</i> , 2008, 24, 2252-2253.	1.8	299
10	High-throughput sequencing of <i>Medicago truncatula</i> short RNAs identifies eight new miRNA families. <i>BMC Genomics</i> , 2008, 9, 593.	1.2	248
11	Profiling of short RNAs during fleshy fruit development reveals stage-specific sRNA expression patterns. <i>Plant Journal</i> , 2011, 67, 232-246.	2.8	138
12	Deep Sequencing of Viroid-Derived Small RNAs from Grapevine Provides New Insights on the Role of RNA Silencing in Plant-Viroid Interaction. <i>PLoS ONE</i> , 2009, 4, e7686.	1.1	130
13	Structural and Functional Analysis of Viral siRNAs. <i>PLoS Pathogens</i> , 2010, 6, e1000838.	2.1	128
14	DSYB catalyses the key step of dimethylsulfoniopropionate biosynthesis in many phytoplankton. <i>Nature Microbiology</i> , 2018, 3, 430-439.	5.9	116
15	Deep sequencing analysis of viral short RNAs from an infected Pinot Noir grapevine. <i>Virology</i> , 2010, 408, 49-56.	1.1	109
16	Chromosomal-Level Assembly of the Asian Seabass Genome Using Long Sequence Reads and Multi-layered Scaffolding. <i>PLoS Genetics</i> , 2016, 12, e1005954.	1.5	105
17	Endogenous short RNAs generated by Dicer 2 and RNA-dependent RNA polymerase 1 regulate mRNAs in the basal fungus <i>Mucor circinelloides</i> . <i>Nucleic Acids Research</i> , 2010, 38, 5535-5541.	6.5	104
18	PAREsnip: a tool for rapid genome-wide discovery of small RNA/target interactions evidenced through degradome sequencing. <i>Nucleic Acids Research</i> , 2012, 40, e103-e103.	6.5	96

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19	Identification of novel small RNAs in tomato (<i>Solanum lycopersicum</i>). <i>Planta</i> , 2007, 226, 709-717.	1.6	90
20	RNAcentral: A vision for an international database of RNA sequences. <i>Rna</i> , 2011, 17, 1941-1946.	1.6	67
21	Distinct Effects of p19 RNA Silencing Suppressor on Small RNA Mediated Pathways in Plants. <i>PLoS Pathogens</i> , 2016, 12, e1005935.	2.1	67
22	A Non-canonical RNA Silencing Pathway Promotes mRNA Degradation in Basal Fungi. <i>PLoS Genetics</i> , 2015, 11, e1005168.	1.5	57
23	Identification of grapevine microRNAs and their targets using high-throughput sequencing and degradome analysis. <i>Plant Journal</i> , 2010, 62, no-no.	2.8	53
24	A Single Argonaute Gene Participates in Exogenous and Endogenous RNAi and Controls Cellular Functions in the Basal Fungus <i>Mucor circinelloides</i> . <i>PLoS ONE</i> , 2013, 8, e69283.	1.1	53
25	The UEA sRNA Workbench (version 4.4): a comprehensive suite of tools for analyzing miRNAs and sRNAs. <i>Bioinformatics</i> , 2018, 34, 3382-3384.	1.8	50
26	miRCat2: accurate prediction of plant and animal microRNAs from next-generation sequencing datasets. <i>Bioinformatics</i> , 2017, 33, 2446-2454.	1.8	49
27	Ago2-Dependent Processing Allows miR-451 to Evade the Global MicroRNA Turnover Elicited during Erythropoiesis. <i>Molecular Cell</i> , 2020, 78, 317-328.e6.	4.5	47
28	The RNAi machinery controls distinct responses to environmental signals in the basal fungus <i>Mucor circinelloides</i> . <i>BMC Genomics</i> , 2015, 16, 237.	1.2	45
29	Characterisation and expression of microRNAs in developing wings of the neotropical butterfly <i>Heliconius melpomene</i> . <i>BMC Genomics</i> , 2011, 12, 62.	1.2	44
30	Heterarchy of transcription factors driving basal and luminal cell phenotypes in human urothelium. <i>Cell Death and Differentiation</i> , 2017, 24, 809-818.	5.0	41
31	The cytoskeleton adaptor protein ankyrin-1 is upregulated by p53 following DNA damage and alters cell migration. <i>Cell Death and Disease</i> , 2016, 7, e2184-e2184.	2.7	29
32	Deciphering the diversity of small RNAs in plants: the long and short of it. <i>Briefings in Functional Genomics & Proteomics</i> , 2009, 8, 472-481.	3.8	28
33	miR-133 mediated regulation of the hedgehog pathway orchestrates embryo myogenesis. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	28
34	Genome-wide microRNA screening in Nile tilapia reveals pervasive isomiRs™ transcription, sex-biased arm switching and increasing complexity of expression throughout development. <i>Scientific Reports</i> , 2018, 8, 8248.	1.6	25
35	Technical Note on the quality of DNA sequencing for the molecular characterisation of genetically modified plants. <i>EFSA Journal</i> , 2018, 16, e05345.	0.9	23
36	Divergence in Transcriptional and Regulatory Responses to Mating in Male and Female Fruitflies. <i>Scientific Reports</i> , 2019, 9, 16100.	1.6	23

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37	MirPlex: A Tool for Identifying miRNAs in High-Throughput sRNA Datasets Without a Genome. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2013, 320, 47-56.	0.6	22
38	microRNAs associated with early neural crest development in <i>Xenopus laevis</i> . <i>BMC Genomics</i> , 2018, 19, 59.	1.2	22
39	Global discovery and characterization of small non-coding RNAs in marine microalgae. <i>BMC Genomics</i> , 2014, 15, 697.	1.2	21
40	A Database of microRNA Expression Patterns in <i>Xenopus laevis</i> . <i>PLoS ONE</i> , 2015, 10, e0138313.	1.1	21
41	An Improved microRNA Annotation of the Canine Genome. <i>PLoS ONE</i> , 2016, 11, e0153453.	1.1	20
42	MicroRNA-10 modulates Hox genes expression during Nile tilapia embryonic development. <i>Mechanisms of Development</i> , 2016, 140, 12-18.	1.7	20
43	The evolutionary dynamics of microRNAs in domestic mammals. <i>Scientific Reports</i> , 2018, 8, 17050.	1.6	17
44	A scoring matrix approach to detecting miRNA target sites. <i>Algorithms for Molecular Biology</i> , 2008, 3, 3.	0.3	16
45	The positive transcriptional elongation factor (P-TEFb) is required for neural crest specification. <i>Developmental Biology</i> , 2016, 416, 361-372.	0.9	12
46	Metatranscriptomes from diverse microbial communities: assessment of data reduction techniques for rigorous annotation. <i>BMC Genomics</i> , 2014, 15, 901.	1.2	11
47	Development of a Biotechnology Platform for the Fast-Growing Cyanobacterium <i>Synechococcus</i> sp. PCC 11901. <i>Biomolecules</i> , 2022, 12, 872.	1.8	9
48	Assessment of the potential integration of the DNA plasmid vaccine CLYNAV into the salmon genome. <i>EFSA Journal</i> , 2017, 15, e04689.	0.9	8
49	Characterising open chromatin in chick embryos identifies cis-regulatory elements important for paraxial mesoderm formation and axis extension. <i>Nature Communications</i> , 2021, 12, 1157.	5.8	8
50	Small RNA Discovery and Characterisation in Eukaryotes Using High-Throughput Approaches. <i>Advances in Experimental Medicine and Biology</i> , 2011, 722, 239-254.	0.8	6
51	Small-RNA Sequencing Reveals Altered Skeletal Muscle microRNAs and snoRNAs Signatures in Weanling Male Offspring from Mouse Dams Fed a Low Protein Diet during Lactation. <i>Cells</i> , 2021, 10, 1166.	1.8	4
52	Evolutionary history of sexual selection affects microRNA profiles in <i>Drosophila</i> sperm. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 310-319.	1.1	4
53	miRTil: An Extensive Repository for Nile Tilapia microRNA Next Generation Sequencing Data. <i>Cells</i> , 2020, 9, 1752.	1.8	3
54	FilTar: using RNA-Seq data to improve microRNA target prediction accuracy in animals. <i>Bioinformatics</i> , 2020, 36, 2410-2416.	1.8	3

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55	Mechanistic insights into non-coding Y RNA processing. <i>RNA Biology</i> , 2022, 19, 468-480.	1.5	3
56	An Assessment of the Next Generation of Animal miRNA Target Prediction Algorithms. <i>Methods in Molecular Biology</i> , 2017, 1580, 175-191.	0.4	2