

Peter Sarkies

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

4,486
citations

185998

28
h-index

197535

49
g-index

69
all docs

69
docs citations

69
times ranked

5375
citing authors

#	ARTICLE	IF	CITATIONS
1	Encyclopaedia of eukaryotic DNA methylation: from patterns to mechanisms and functions. <i>Biochemical Society Transactions</i> , 2022, , .	1.6	8
2	Transcription and DNA Methylation Patterns of Blood-Derived CD8+ T Cells Are Associated With Age and Inflammatory Bowel Disease But Do Not Predict Prognosis. <i>Gastroenterology</i> , 2021, 160, 232-244.e7.	0.6	42
3	Lentiviral transduction facilitates RNA interference in the nematode parasite <i>Nippostrongylus brasiliensis</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009286.	2.1	8
4	The RNA polymerase II subunit RPB9 recruits the integrator complex to terminate <i>Caenorhabditis elegans</i> piRNA transcription. <i>EMBO Journal</i> , 2021, 40, e105565.	3.5	19
5	Network-based visualisation reveals new insights into transposable element diversity. <i>Molecular Systems Biology</i> , 2021, 17, e9600.	3.2	2
6	Integrator is recruited to promoter-proximally paused RNA Pol II to generate <i>Caenorhabditis elegans</i> piRNA precursors. <i>EMBO Journal</i> , 2021, 40, e105564.	3.5	25
7	DNA methylation and sexual dimorphism: new insights from mealybugs. <i>Molecular Ecology</i> , 2021, 30, 5621-5623.	2.0	1
8	Malignancy and NF- κ B signalling strengthen coordination between expression of mitochondrial and nuclear-encoded oxidative phosphorylation genes. <i>Genome Biology</i> , 2021, 22, 328.	3.8	7
9	Molecular mechanisms of epigenetic inheritance: Possible evolutionary implications. <i>Seminars in Cell and Developmental Biology</i> , 2020, 97, 106-115.	2.3	61
10	Long-term experimental evolution reveals purifying selection on piRNA-mediated control of transposable element expression. <i>BMC Biology</i> , 2020, 18, 162.	1.7	10
11	Epimutations driven by small RNAs arise frequently but most have limited duration in <i>Caenorhabditis elegans</i> . <i>Nature Ecology and Evolution</i> , 2020, 4, 1539-1548.	3.4	33
12	Altered DNA methylation profiles in blood from patients with sporadic Creutzfeldt-Jakob disease. <i>Acta Neuropathologica</i> , 2020, 140, 863-879.	3.9	18
13	Widespread conservation and lineage-specific diversification of genome-wide DNA methylation patterns across arthropods. <i>PLoS Genetics</i> , 2020, 16, e1008864.	1.5	56
14	<i>Trichinella spiralis</i> secretes abundant unencapsulated small RNAs with potential effects on host gene expression. <i>International Journal for Parasitology</i> , 2020, 50, 697-705.	1.3	10
15	Title is missing!. , 2020, 16, e1008864.		0
16	Title is missing!. , 2020, 16, e1008864.		0
17	Title is missing!. , 2020, 16, e1008864.		0
18	Title is missing!. , 2020, 16, e1008864.		0

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19	Title is missing!. , 2020, 16, e1008864.		0
20	Title is missing!. , 2020, 16, e1008864.		0
21	EvoChromo: towards a synthesis of chromatin biology and evolution. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	16
22	Comparative Epigenomics Reveals that RNA Polymerase II Pausing and Chromatin Domain Organization Control Nematode piRNA Biogenesis. <i>Developmental Cell</i> , 2019, 48, 793-810.e6.	3.1	37
23	Mechanistic Insights into Cytosine-N3 Methylation by DNA Methyltransferase DNMT3A. <i>Journal of Molecular Biology</i> , 2019, 431, 3139-3145.	2.0	17
24	PETISCO is a novel protein complex required for 21U RNA biogenesis and embryonic viability. <i>Genes and Development</i> , 2019, 33, 857-870.	2.7	34
25	The meiotic phosphatase GSP-2/PP1 promotes germline immortality and small RNA-mediated genome silencing. <i>PLoS Genetics</i> , 2019, 15, e1008004.	1.5	5
26	Natural Infection of <i>C.Âlegans</i> by an Oomycete Reveals a New Pathogen-Specific Immune Response. <i>Current Biology</i> , 2018, 28, 640-648.e5.	1.8	48
27	Evolutionary analysis indicates that DNA alkylation damage is a byproduct of cytosine DNA methyltransferase activity. <i>Nature Genetics</i> , 2018, 50, 452-459.	9.4	71
28	Pan-arthropod analysis reveals somatic piRNAs as an ancestral defence against transposable elements. <i>Nature Ecology and Evolution</i> , 2018, 2, 174-181.	3.4	214
29	The piRNA pathway responds to environmental signals to establish intergenerational adaptation to stress. <i>BMC Biology</i> , 2018, 16, 103.	1.7	43
30	An Alternative STAT Signaling Pathway Acts in Viral Immunity in <i>Caenorhabditis elegans</i> . <i>MBio</i> , 2017, 8, .	1.8	38
31	Wolbachia Blocks Viral Genome Replication Early in Infection without a Transcriptional Response by the Endosymbiont or Host Small RNA Pathways. <i>PLoS Pathogens</i> , 2016, 12, e1005536.	2.1	79
32	Specific down-regulation of spermatogenesis genes targeted by 22G RNAs in hybrid sterile males associated with an X-Chromosome introgression. <i>Genome Research</i> , 2016, 26, 1219-1232.	2.4	25
33	The genome of the crustacean <i>Parhyale hawaiiensis</i> , a model for animal development, regeneration, immunity and lignocellulose digestion. <i>ELife</i> , 2016, 5, .	2.8	130
34	<i>E. coli</i> OxyS non-coding RNA does not trigger RNAi in <i>C. elegans</i> . <i>Scientific Reports</i> , 2015, 5, 9597.	1.6	18
35	Antiviral RNA Interference against Orsay Virus Is neither Systemic nor Transgenerational in <i>Caenorhabditis elegans</i> . <i>Journal of Virology</i> , 2015, 89, 12035-12046.	1.5	47
36	Ancient and Novel Small RNA Pathways Compensate for the Loss of piRNAs in Multiple Independent Nematode Lineages. <i>PLoS Biology</i> , 2015, 13, e1002061.	2.6	118

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37	Tertiary siRNAs Mediate Paramutation in <i>C. elegans</i> . PLoS Genetics, 2015, 11, e1005078.	1.5	98
38	PRDE-1 is a nuclear factor essential for the biogenesis of Ruby motif-dependent piRNAs in <i>C. elegans</i> . Genes and Development, 2014, 28, 783-796.	2.7	72
39	Determinants of G quadruplex-induced epigenetic instability in <i>REV1</i> deficient cells. EMBO Journal, 2014, 33, 2507-2520.	3.5	111
40	Implication of sperm RNAs in transgenerational inheritance of the effects of early trauma in mice. Nature Neuroscience, 2014, 17, 667-669.	7.1	1,067
41	Histone H3.3 Is Required to Maintain Replication Fork Progression after UV Damage. Current Biology, 2014, 24, 2195-2201.	1.8	53
42	Caenorhabditis elegans RSD-2 and RSD-6 promote germ cell immortality by maintaining small interfering RNA populations. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4323-E4331.	3.3	44
43	Small RNAs break out: the molecular cell biology of mobile small RNAs. Nature Reviews Molecular Cell Biology, 2014, 15, 525-535.	16.1	122
44	Reduced Insulin/IGF-1 Signaling Restores Germ Cell Immortality to Caenorhabditis elegans Piwi Mutants. Cell Reports, 2014, 7, 762-773.	2.9	115
45	Is There Social RNA?. Science, 2013, 341, 467-468.	6.0	47
46	Competition between virus-derived and endogenous small RNAs regulates gene expression in <i>Caenorhabditis elegans</i> . Genome Research, 2013, 23, 1258-1270.	2.4	75
47	RNAi pathways in the recognition of foreign RNA: antiviral responses and host-parasite interactions in nematodes. Biochemical Society Transactions, 2013, 41, 876-880.	1.6	23
48	A deletion polymorphism in the Caenorhabditis elegans RIG-I homolog disables viral RNA dicing and antiviral immunity. ELife, 2013, 2, e00994.	2.8	156
49	FANCI coordinates two pathways that maintain epigenetic stability at G-quadruplex DNA. Nucleic Acids Research, 2012, 40, 1485-1498.	6.5	184
50	piRNAs Can Trigger a Multigenerational Epigenetic Memory in the Germline of <i>C. elegans</i> . Cell, 2012, 150, 88-99.	13.5	673
51	Cellular epigenetic stability and cancer. Trends in Genetics, 2012, 28, 118-127.	2.9	47
52	Propagation of histone marks and epigenetic memory during normal and interrupted DNA replication. Cellular and Molecular Life Sciences, 2012, 69, 697-716.	2.4	18
53	Epigenetic Instability due to Defective Replication of Structured DNA. Molecular Cell, 2010, 40, 703-713.	4.5	259
54	Motogenic Sites in Human Fibronectin Are Masked by Long Range Interactions. Journal of Biological Chemistry, 2009, 284, 15668-15675.	1.6	46

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55	Genetic selection of activatory mutations in KcsA. Channels, 2008, 2, 413-418.	1.5	14