

Peter Sarkies

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

4,486
citations

186265

28
h-index

197818

49
g-index

69
all docs

69
docs citations

69
times ranked

5375
citing authors

#	ARTICLE	IF	CITATIONS
1	Implication of sperm RNAs in transgenerational inheritance of the effects of early trauma in mice. <i>Nature Neuroscience</i> , 2014, 17, 667-669.	14.8	1,067
2	piRNAs Can Trigger a Multigenerational Epigenetic Memory in the Germline of <i>C.Âelegans</i> . <i>Cell</i> , 2012, 150, 88-99.	28.9	673
3	Epigenetic Instability due to Defective Replication of Structured DNA. <i>Molecular Cell</i> , 2010, 40, 703-713.	9.7	259
4	Pan-arthropod analysis reveals somatic piRNAs as an ancestral defence against transposable elements. <i>Nature Ecology and Evolution</i> , 2018, 2, 174-181.	7.8	214
5	FANCI coordinates two pathways that maintain epigenetic stability at G-quadruplex DNA. <i>Nucleic Acids Research</i> , 2012, 40, 1485-1498.	14.5	184
6	A deletion polymorphism in the <i>Caenorhabditis elegans</i> RIG-I homolog disables viral RNA dicing and antiviral immunity. <i>ELife</i> , 2013, 2, e00994.	6.0	156
7	The genome of the crustacean <i>Parhyale hawaiiensis</i> , a model for animal development, regeneration, immunity and lignocellulose digestion. <i>ELife</i> , 2016, 5, .	6.0	130
8	Small RNAs break out: the molecular cell biology of mobile small RNAs. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 525-535.	37.0	122
9	Ancient and Novel Small RNA Pathways Compensate for the Loss of piRNAs in Multiple Independent Nematode Lineages. <i>PLoS Biology</i> , 2015, 13, e1002061.	5.6	118
10	Reduced Insulin/IGF-1 Signaling Restores Germ Cell Immortality to <i>Caenorhabditis elegans</i> Piwi Mutants. <i>Cell Reports</i> , 2014, 7, 762-773.	6.4	115
11	Determinants of G quadruplexâ€induced epigenetic instability in <sc>REV</sc> lâ€deficient cells. <i>EMBO Journal</i> , 2014, 33, 2507-2520.	7.8	111
12	Tertiary siRNAs Mediate Paramutation in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2015, 11, e1005078.	3.5	98
13	<i>Wolbachia</i> 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.	4.7	79
14	Competition between virus-derived and endogenous small RNAs regulates gene expression in <i> <i>Caenorhabditis elegans</i> </i>. <i>Genome Research</i> , 2013, 23, 1258-1270.	5.5	75
15	PRDE-1 is a nuclear factor essential for the biogenesis of Ruby motif-dependent piRNAs in <i> <i>C. elegans</i> </i>. <i>Genes and Development</i> , 2014, 28, 783-796.	5.9	72
16	Evolutionary analysis indicates that DNA alkylation damage is a byproduct of cytosine DNA methyltransferase activity. <i>Nature Genetics</i> , 2018, 50, 452-459.	21.4	71
17	Molecular mechanisms of epigenetic inheritance: Possible evolutionary implications. <i>Seminars in Cell and Developmental Biology</i> , 2020, 97, 106-115.	5.0	61
18	Widespread conservation and lineage-specific diversification of genome-wide DNA methylation patterns across arthropods. <i>PLoS Genetics</i> , 2020, 16, e1008864.	3.5	56

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19	Histone H3.3 Is Required to Maintain Replication Fork Progression after UV Damage. <i>Current Biology</i> , 2014, 24, 2195-2201.	3.9	53
20	Natural Infection of <i>C.Âelegans</i> by an Oomycete Reveals a New Pathogen-Specific Immune Response. <i>Current Biology</i> , 2018, 28, 640-648.e5.	3.9	48
21	Cellular epigenetic stability and cancer. <i>Trends in Genetics</i> , 2012, 28, 118-127.	6.7	47
22	Is There Social RNA?. <i>Science</i> , 2013, 341, 467-468.	12.6	47
23	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.	3.4	47
24	Motogenic Sites in Human Fibronectin Are Masked by Long Range Interactions. <i>Journal of Biological Chemistry</i> , 2009, 284, 15668-15675.	3.4	46
25	<i>Caenorhabditis elegans</i> RSD-2 and RSD-6 promote germ cell immortality by maintaining small interfering RNA populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4323-E4331.	7.1	44
26	The piRNA pathway responds to environmental signals to establish intergenerational adaptation to stress. <i>BMC Biology</i> , 2018, 16, 103.	3.8	43
27	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.	1.3	42
28	An Alternative STAT Signaling Pathway Acts in Viral Immunity in <i>Caenorhabditis elegans</i> . <i>MBio</i> , 2017, 8, .	4.1	38
29	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.	7.0	37
30	PETISCO is a novel protein complex required for 21U RNA biogenesis and embryonic viability. <i>Genes and Development</i> , 2019, 33, 857-870.	5.9	34
31	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.	7.8	33
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.	5.5	25
33	Integrator is recruited to promoterâ€proximally paused RNA Pol II to generate <i>Caenorhabditis elegans</i> piRNA precursors. <i>EMBO Journal</i> , 2021, 40, e105564.	7.8	25
34	RNAi pathways in the recognition of foreign RNA: antiviral responses and hostâ€parasite interactions in nematodes. <i>Biochemical Society Transactions</i> , 2013, 41, 876-880.	3.4	23
35	The RNA polymerase II subunit RPBâ€9 recruits the integrator complex to terminate <i>Caenorhabditis elegans</i> piRNA transcription. <i>EMBO Journal</i> , 2021, 40, e105565.	7.8	19
36	Propagation of histone marks and epigenetic memory during normal and interrupted DNA replication. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 697-716.	5.4	18

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37	E. coli OxyS non-coding RNA does not trigger RNAi in C. elegans. <i>Scientific Reports</i> , 2015, 5, 9597.	3.3	18
38	Altered DNA methylation profiles in blood from patients with sporadic Creutzfeldtâ€“Jakob disease. <i>Acta Neuropathologica</i> , 2020, 140, 863-879.	7.7	18
39	Mechanistic Insights into Cytosine-N3 Methylation by DNA Methyltransferase DNMT3A. <i>Journal of Molecular Biology</i> , 2019, 431, 3139-3145.	4.2	17
40	EvoChromo: towards a synthesis of chromatin biology and evolution. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	16
41	Genetic selection of activatory mutations in KcsA. <i>Channels</i> , 2008, 2, 413-418.	2.8	14
42	Long-term experimental evolution reveals purifying selection on piRNA-mediated control of transposable element expression. <i>BMC Biology</i> , 2020, 18, 162.	3.8	10
43	Trichinella spiralis secretes abundant unencapsulated small RNAs with potential effects on host gene expression. <i>International Journal for Parasitology</i> , 2020, 50, 697-705.	3.1	10
44	Lentiviral transduction facilitates RNA interference in the nematode parasite Nippostrongylus brasiliensis. <i>PLoS Pathogens</i> , 2021, 17, e1009286.	4.7	8
45	Encyclopaedia of eukaryotic DNA methylation: from patterns to mechanisms and functions. <i>Biochemical Society Transactions</i> , 2022, , .	3.4	8
46	Malignancy and NF-Î³B signalling strengthen coordination between expression of mitochondrial and nuclear-encoded oxidative phosphorylation genes. <i>Genome Biology</i> , 2021, 22, 328.	8.8	7
47	The meiotic phosphatase GSP-2/PP1 promotes germline immortality and small RNA-mediated genome silencing. <i>PLoS Genetics</i> , 2019, 15, e1008004.	3.5	5
48	Networkâ€“based visualisation reveals new insights into transposable element diversity. <i>Molecular Systems Biology</i> , 2021, 17, e9600.	7.2	2
49	DNA methylation and sexual dimorphism: new insights from mealybugs. <i>Molecular Ecology</i> , 2021, 30, 5621-5623.	3.9	1
50	Title is missing!. , 2020, 16, e1008864.		0
51	Title is missing!. , 2020, 16, e1008864.		0
52	Title is missing!. , 2020, 16, e1008864.		0
53	Title is missing!. , 2020, 16, e1008864.		0
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